

RAC V TECHNICAL STATUS REPORT

January 27, 2001 to February 23, 2001

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WORK ASSIGNMENT NUMBER: 101-RALR-05WE

SITE NAME: Penta Wood Products-OU 1, WI

ACTIVITY: Long-Term Response Action

CH2M HILL JOB NUMBER: 159815

PREPARED BY: Regina Bayer, Site Manager
Bill Andrae, Assistant Site Manager

PERIOD ENDING: February 23, 2001

COPIES: WAM: Tony Rutter, USEPA, Region 5
PM: Isaac H. Johnson, CH2M HILL, Milwaukee, WI
RTL: Phil Smith, CH2M HILL, Milwaukee, WI
WDNR: Tom Kendzierski, WDNR, Spooner, WI
WDNR: Dave Hantz, WDNR, Madison, WI
WDNR: Pete Prusak, WDNR, Cumberland, WI

1. Progress Made This Reporting Period

On January 31, Carbonair began installing the variable frequency drives (VFDs) at the site to control the speed of the groundwater extraction pumps. The installation was completed on February 1, and the groundwater treatment system was restarted on February 2.

On January 31, a technical memorandum regarding re-start procedures was e-mailed to the WAM and the WDNR. Also on January 31, the WAM, the SM, and Tom Kendzierski and Dave Kafura of WDNR discussed the Operation and Maintenance Manual comments received from the WDNR.

The treatment system was in operation from February 2 to February 8. A total of 870,000 gallons was treated and discharged. The oil recovery pumps were run two-at-a-time per day, with Well No. 11 running each day (relatively clean water with no oil), paired with a well containing oil. About 200 gallons of oil was collected in the 1,000-gallon free product tank during the 6 days of operation.

Effluent samples were collected from the treatment plant on Friday, February 2; Saturday, February 3 (a sample and a duplicate); Tuesday, February 6; Wednesday, February 7; and Thursday, February 8. On Thursday, February 8, the pressure differential in the bag filter pressure gauges began to climb, and the system was turned off to change the bag filters. The bag filters were saturated with oil. The top of the clay vessel was cracked open, and it was noted that the newly replaced clay was oil-stained. Conference calls were held, and it was decided to leave the system

shutdown and not attempt to treat groundwater until the bulk of the free oil pooled on the water table is removed first.

On February 14 the WAM traveled to the site, and on February 15 a conference call was held with the WAM, CH2M HILL, and WDNR to discuss the effluent sampling results from the discharge samples collected the previous week. The effluent PCP sample results consist of the following:

Date Sampled	Sample ID	Effluent PCP concentration (µg/L)
02/02/2001	01CB07-01	0.139
02/03/2001	01CB07-02	1.60
02/03/2001 (duplicate)	01CB07-03	1.89
02/06/2001	01CB07-04	2.54
02/07/2001	01CB07-05	2.26
02/08/2001	01CB07-06	2.28

As can be seen in the sample result table, the initial sample collected the first day the plant operated with the new oliphilic bag filters and clean clay and carbon vessels, the effluent PCP concentration was basically at the required discharge criteria of 0.1 µg/L. On subsequent days of operation, however, the effluent PCP concentration increased until it settled at approximately 2.3 µg/L.

A decision was made to investigate placing a tanker trailer at the site and piping the oil directly into it. Water would be decanted and processed through the oil/water separator.

CH2M HILL solicited bids from three firms for the ongoing disposal of contaminated carbon, clay, and oil from the site. The three firms contacted to bid were Safety Kleen, Onyx, and World Environmental, a SDBE firm. World Environmental decided not to submit a bid because they could not compete against the firms that owned and operated waste disposal facilities without being provided a price break. It was determined that Onyx was the lowest responsible bidder, and their disposal facilities were submitted to the WAM for approval.

Summary of Project Status						
Task No./ Code	Planned Start	Actual Start	Planned Completion	Actual Completion	Percent Complete	Schedule Variance
1-PP	09/30/00	09/30/00	9/29/03		55	
3-DU	09/30/00	09/30/00	9/29/03		120	
4-PB	09/30/00	09/30/00	9/29/03		130	
7-CV	09/30/00	09/30/00	9/29/03		15	
8-AI	09/30/00	09/30/00	9/29/03		35	
9-PJ	09/30/00	09/30/00	9/29/03		35	

Summary of Project Status						
Task No./ Code	Planned Start	Actual Start	Planned Completion	Actual Completion	Percent Complete	Schedule Variance
11-CO	08/01/03		9/29/03		0	

2. Problems Resolved

None.

3. Problem Areas and Recommended

The large quantity of free oil pooled on the water table with the pumping of the groundwater extraction wells has appeared to overwhelm the oil/water separator. A strategy has been devised to add a component to the treatment train to collect the oil in bulk, and pipe the water portion of this initial oil/water collection point to the oil/water separator. Meanwhile, the possibility of recycling the recovered PCP/oil mixture is being investigated. A bypass valve that goes directly from the product lines to the 1,000-gallon product tank outside the building will be installed.

It was decided to hold off on resubmitting the O&M manual, and a WPRR until plant modifications are complete. At this time, it appears further modifications are necessary to meet the discharge criteria.

4. Deliverables Submitted

A start-up procedure memorandum was prepared and submitted for the plant re-start.

5. Activities Planned Next Reporting Period

It is anticipated a bypass valve will be installed for the extracted oil to go directly to the existing product tank. It is anticipated existing supersacks of waste carbon and clay will be picked up for disposal, and room will become available to locate a tanker truck north of the treatment building to receive free oil.

6. Key Personnel Changes

None.

7. Subcontractor Services

Earthworks:	WRS Infrastructure & Environmental Inc.
Drilling:	Davidson Environmental
Bioventing/Groundwater Treatment:	Dakota Intertek Corp.
Disposal of LNAPL, and frac tank cleaning:	Safety Kleen
Clay Changeout	Carbonair

8. Travel

Travel for Paul Arps on January 9 through 11 was reported in last month's Technical Status Report.

On February 1, Bill Andrae traveled to the site from Milwaukee to observe the VFD installation and system re-start-up.

9. Laboratories

PEL Laboratory analyzed water samples.

10. Project Performance

CH2M HILL notified the WAM immediately when it was noted that oil was making it through the oil/water separator to the groundwater treatment system, and the system was shut down. A solution has been proposed, and will be implemented as soon as the new waste disposal firm is under contract.

REPORT 1

Work Assignment -- Task Level Specific Detail Report -- Variance Based on Remaining Resources

Work Assignment Number:	101-RALR-05WE	Work Area Code:	RA	WA Period of Performance Start:	9/30/00
Work Assignment Title:	PENTA WOOD PRODUCTS, WI	Action Code:	LR	WA Period of Performance End:	9/29/03
Contractor Name:	CH2M HILL INC	WA Form:	TERM	Reporting Period From:	1/27/01
Contract Number:	68-W6-0025	Type Funding:	SITE	Reporting Period To:	2/23/01
SSID:	05WE	Work Assignment Status:	ON-GOING	Invoice Date:	3/19/01
State:	WI	Remediation Category:		Invoice Number:	066
Region:	5	Operable Unit:	01	Purpose:	Monthly Progress

Task Number: 1		Task Title: PROJECT PLANNING AND SUPPORT						Task Category Code: PP				
PRIME CONTRACTOR		Current		Cumulative		Approved Budget		Variance				
Cost Elements:	SU	LOE/Hours	Dollars	LOE/Hours	Dollars	LOE/Hours	Dollars	LOE/Hours	% LOE/Hours	Dollars	% Dollars	
Direct Labor												
P-4		JOHNSON, ISAAC H	5.00		24.00							
P-4		Subtotal	5.00	218.80	24.00	1,009.09	36.00	1,769.00	12.00	33.33	759.91	42.96
P-3		BAYER, REGINA C	21.00		100.00							
		KLUGE, MATTHEW D	2.00		21.00							
P-3		Subtotal	23.00	835.98	121.00	4,102.97	226.00	8,273.28	105.00	46.46	4,170.31	50.41
P-2		ANDRAE, WILLIAM M	1.00		1.00							
		JOHNSON, JONATHAN W			0.20							
		LAURITCH, MELISSA J			134.00							
P-2		Subtotal	1.00	26.54	135.20	3,088.96	26.00	669.57	-109.20	-420.00	-2,419.39	-361.33
P-1		SHRAKE, ALEXANDRA M B	0.10		0.70							
		STOLL, SANDRA L			2.00							
P-1		Subtotal	0.10	1.72	2.70	51.21	36.00	827.78	33.30	92.50	776.57	93.81
T-2		PETERSHACK, MARK D			2.00							
T-2		Subtotal			2.00	43.96			-2.00		-43.96	
T-1		WILSON, CHERYL L	0.20		6.60							
T-1		Subtotal	0.20	3.69	6.60	115.53	94.90	1,595.73	88.30	93.05	1,480.20	92.76
TOTAL, PROFESSIONAL			29.30	1,086.73	291.50	8,411.72	418.90	13,135.36	127.40	30.41	4,723.64	35.96
Clerical												
		CHEN, WIN			1.50							
		GAUGER, ELAINE A			0.10							
		HUGHES, BOBBIE N			0.20							
		KLOSE, KARI			1.00							
		NAVARRO, DONNA M	8.40		92.10							
		REMOND, CHERYL A	0.10		0.50							
TOTAL, CLERICAL			8.50	130.13	95.40	1,364.12	111.90	1,943.62	16.50	14.75	579.50	29.82
TOTAL, DIRECT LABOR			37.80	1,216.86	386.90	9,775.84	530.80	15,078.98	143.90	27.11	5,303.14	35.17

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Contractor Name:	CH2M HILL INC	WA Form:	TERM	Reporting Period From:	1/27/01
Contract Number:	68-W6-0025	Type Funding:	SITE	Reporting Period To:	2/23/01
SSID:	05WE	Work Assignment Status:	ON-GOING	Invoice Date:	3/19/01
State:	WI	Remediation Category:		Invoice Number:	066
Region:	5	Operable Unit:	01	Purpose:	Monthly Progress

Task Number: 1		Task Title: PROJECT PLANNING AND SUPPORT						Task Category Code: PP			
PRIME CONTRACTOR		Current		Cumulative		Approved Budget		Variance			
Cost Elements:	SU	LOE/Hours	Dollars	LOE/Hours	Dollars	LOE/Hours	Dollars	LOE/Hours	% LOE/Hours	Dollars	% Dollars

DIRECT COSTS

ODCs											
Reproduction						20.34		300.01			
Phone/Fax			49.14			503.62		690.15			
Supplies								39.98			
Mail/Courier/Freight			3.67			84.07		400.05			
Health & Safety			38.50			176.75		670.14			
Other						15.87					
Subtotal, ODCs			91.31			800.65		2,100.33		1,299.68	61.88
Computer			166.32			1,735.51		2,389.59		654.08	27.37
TOTAL, DIRECT COSTS			257.63			2,536.16		4,489.92		1,953.76	43.51
TOTAL, PRIME DIRECTS		37.80	1,474.49	386.90	12,312.00	530.80		19,568.90			
(LOE/HRS/COST)											

INDIRECT COSTS

Fringe (31.400% Direct Labor)			382.09			3,184.10					
Overhead (51.300% Direct Labor)			624.24			5,305.42		13,269.30			
G&A (66.700% Direct Labor)			811.66			6,245.51		9,514.80			
TOTAL, PRIME INDIRECT COSTS			1,817.99			14,735.03		22,784.10			
FEES											
2.88 x Prime LOE Hours, plus 4.00% of Equipment			84.38			839.52		1,694.13			
SUBTOTAL BASE FEES			84.38			839.52		1,694.13			
TOTAL TASK, PRIME COSTS			3,376.86			27,886.55		44,047.13			
(DIRECTS + INDIRECTS + BASE FEES)											

REPORT 1

Work Assignment -- Task Level Specific Detail Report -- Variance Based on Remaining Resources

Work Assignment Number:	101-RALR-05WE	Work Area Code:	RA	WA Period of Performance Start:	9/30/00
Work Assignment Title:	PENTA WOOD PRODUCTS, WI	Action Code:	LR	WA Period of Performance End:	9/29/03
Contractor Name:	CH2M HILL, INC.	WA Form:	TERM	Reporting Period From:	1/27/01
Contract Number:	68-W6-0025	Type Funding:	SITE	Reporting Period To:	2/23/01
SSID:	05WE	Work Assignment Status:	ON-GOING	Invoice Date:	3/19/01
State:	WI	Remediation Category:		Invoice Number:	066
Region:	5	Operable Unit:	01	Purpose:	Monthly Progress

Task Number: 1	Task Title: PROJECT PLANNING AND SUPPORT	Task Category Code: PP
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TOTALS FOR TASK 1 (PRIME + TEAM SUBCONTRACTORS)

Cost Elements:	Current		Cumulative		Approved Budget		Variance			
	LOE/Hours	Dollars	LOE/Hours	Dollars	LOE/Hours	Dollars	LOE/Hours	% LOE/Hours	Dollars	% Dollars
TOTAL, DIRECT LABOR (Professional)	29.30	1,086.73	291.50	8,411.72	418.90	13,135.36	127.40	30.41	4,723.64	35.96
TOTAL, DIRECT LABOR (Clerical)	8.50	130.13	95.40	1,364.12	111.90	1,943.62	16.50	14.75	579.50	29.82
TOTAL, DIRECT COSTS										
Other Direct Costs		91.31		800.65		2,100.33			1,299.68	61.88
Travel										
Computer		166.32		1,735.51		2,389.59			654.08	27.37
Equipment										
Subpool										
PLI (Pollution Liability Insurance) Premium										
TOTAL, INDIRECT COSTS (Fringe, O/H, G&A)		1,817.99		14,735.03		22,784.10			8,049.07	35.33
TOTAL, TEAM SUB FEES (as negotiated)										
TOTAL, BASE FEES (Prime)		84.38		839.52		1,694.13			854.61	50.45
TOTAL, TASK 1 COSTS	37.80	3,376.86	386.90	27,886.55	530.80	44,047.13			16,160.58	36.69

REPORT 1

Work Assignment -- Task Level Specific Detail Report -- Variance Based on Remaining Resources

Work Assignment Number:	101-RALR-05WE	Work Area Code:	RA	WA Period of Performance Start:	9/30/00
Work Assignment Title:	PENTA WOOD PRODUCTS, WI	Action Code:	LR	WA Period of Performance End:	9/29/03
Contractor Name:	CH2M HILL, INC.	WA Form:	TERM	Reporting Period From:	1/27/01
Contract Number:	68-W6-0025	Type Funding:	SITE	Reporting Period To:	2/23/01
SSID:	05WE	Work Assignment Status:	ON-GOING	Invoice Date:	3/19/01
State:	WI	Remediation Category:		Invoice Number:	066
Region:	5	Operable Unit:	01	Purpose:	Monthly Progress

Task Number: 3	Task Title: DEVELOP/UPDATE OF SS PLANS	Task Category Code: DU
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TOTALS FOR TASK 3 (PRIME + TEAM SUBCONTRACTORS)

Cost Elements:	Current		Cumulative		Approved Budget		Variance			
	LOE/Hours	Dollars	LOE/Hours	Dollars	LOE/Hours	Dollars	LOE/Hours	% LOE/Hours	Dollars	% Dollars
TOTAL, DIRECT LABOR (Professional)			87.40	2,257.10	69.10	1,922.01	-18.30	-26.48	-335.09	-17.43
TOTAL, DIRECT LABOR (Clerical)			0.10	1.62	6.00	104.13	5.90	98.33	102.51	98.44
TOTAL, DIRECT COSTS										
Other Direct Costs				1,167.41		652.61			-514.80	-78.88
Travel										
Computer				413.73		337.57			-76.16	-22.56
Equipment										
Subpool										
PLI (Pollution Liability Insurance) Premium										
TOTAL, INDIRECT COSTS (Fringe, O/H, G&A)				3,412.13		3,061.28			-350.85	-11.46
TOTAL, TEAM SUB FEES (as negotiated)										
TOTAL, BASE FEES (Prime)				251.72		243.15			-8.57	-3.52
TOTAL, TASK 3 COSTS			87.50	7,503.71	75.10	6,320.75			-1,182.96	-18.72

REPORT 1

Work Assignment -- Task Level Specific Detail Report -- Variance Based on Remaining Resources

Work Assignment Number:	101-RALR-05WE	Work Area Code:	RA	WA Period of Performance Start:	9/30/00
Work Assignment Title:	PENTA WOOD PRODUCTS, WI	Action Code:	LR	WA Period of Performance End:	9/29/03
Contractor Name:	CH2M HILL INC	WA Form:	TERM	Reporting Period From:	1/27/01
Contract Number:	68-W6-0025	Type Funding:	SITE	Reporting Period To:	2/23/01
SSID:	05WE	Work Assignment Status:	ON-GOING	Invoice Date:	3/19/01
State:	WI	Remediation Category:		Invoice Number:	066
Region:	5	Operable Unit:	01	Purpose:	Monthly Progress

Task Number: 4		Task Title: PROCUREMENT OF SUBCONTRACT						Task Category Code: PB			
PRIME CONTRACTOR		Current		Cumulative		Approved Budget		Variance			
Cost Elements:	SU	LOE/Hours	Dollars	LOE/Hours	Dollars	LOE/Hours	Dollars	LOE/Hours	% LOE/Hours	Dollars	% Dollars
Direct Labor											
P-3		BAYER, REGINA C	16.00		67.00						
P-3		Subtotal	16.00	590.12	67.00	2,443.12	17.00	622.30	-50.00	-294.12	-1,820.82
P-2		LAURITCH, MELISSA J	38.00		123.00						
P-2		Subtotal	38.00	913.57	123.00	2,963.77	13.00	334.76	-110.00	-846.15	-2,629.01
P-1		Subtotal				60.00	1,379.57	60.00	100.00	1,379.57	100.00
T-2		PETERSHACK, MARK D	4.00		4.00						
T-2		Subtotal	4.00	92.68	4.00	92.68			-4.00	-92.68	
TOTAL, PROFESSIONAL			58.00	1,596.37	194.00	5,499.57	90.00	2,336.63	-104.00	-115.56	-3,162.94
TOTAL, CLERICAL						18.00	312.43	18.00	100.00	312.43	100.00
TOTAL, DIRECT LABOR			58.00	1,596.37	194.00	5,499.57	108.00	2,649.06	-86.00	-79.63	-2,850.51
DIRECT COSTS											
ODCs											
		Reproduction		12.42		12.42		300.01			
		Phone/Fax		75.40		252.20		140.29			
		Mail/Courier/Freight		35.41		35.41		300.01			
		Health & Safety		28.00		117.25		157.40			
		Subtotal, ODCs		151.23		417.28		897.71		480.43	53.52
		Computer		255.20		855.00		486.00		-369.00	-75.93
TOTAL, DIRECT COSTS				406.43		1,272.28		1,383.71		111.43	8.05
TOTAL, PRIME DIRECTS			58.00	2,002.80	194.00	6,771.85	108.00	4,032.77			
			(LOE/HRS/COST)								

INDIRECT COSTS

Fringe (31.400% Direct Labor)	501.26	1,734.20	
Overhead (51.300% Direct Labor)	818.99	2,839.78	2,331.32

REPORT 1

Work Assignment -- Task Level Specific Detail Report -- Variance Based on Remaining Resources

Work Assignment Number: 101-RALR-05WE	Work Area Code: RA	WA Period of Performance Start: 9/30/00
Work Assignment Title: PENTA WOOD PRODUCTS, WI	Action Code: LR	WA Period of Performance End: 9/29/03
Contractor Name: CH2M HILL INC	WA Form: TERM	Reporting Period From: 1/27/01
Contract Number: 68-W6-0025	Type Funding: SITE	Reporting Period To: 2/23/01
SSID: 05WE	Work Assignment Status: ON-GOING	Invoice Date: 3/19/01
State: WI	Remediation Category:	Invoice Number: 066
Region: 5	Operable Unit: 01	Purpose: Monthly Progress

Task Number: 4		Task Title: PROCUREMENT OF SUBCONTRACT						Task Category Code: PB			
PRIME CONTRACTOR		Current		Cumulative		Approved Budget		Variance			
Cost Elements:	SU	LOE/Hours	Dollars	LOE/Hours	Dollars	LOE/Hours	Dollars	LOE/Hours	% LOE/Hours	Dollars	% Dollars
G&A (66.700% Direct Labor)			1,064.76		3,650.72		1,671.54				
TOTAL, PRIME INDIRECT COSTS			2,385.01		8,224.70		4,002.86				
FEES											
2.88 x Prime LOE Hours, plus 4.00% of Equipment			167.04		558.72		321.40				
SUBTOTAL BASE FEES			167.04		558.72		321.40				
TOTAL TASK, PRIME COSTS			4,554.85		15,555.27		8,357.03				
(DIRECTS + INDIRECTS + BASE FEES)											

REPORT 1

Work Assignment -- Task Level Specific Detail Report -- Variance Based on Remaining Resources

Work Assignment Number:	101-RALR-05WE	Work Area Code:	RA	WA Period of Performance Start:	9/30/00
Work Assignment Title:	PENTA WOOD PRODUCTS, WI	Action Code:	LR	WA Period of Performance End:	9/29/03
Contractor Name:	CH2M HILL, INC.	WA Form:	TERM	Reporting Period From:	1/27/01
Contract Number:	68-W6-0025	Type Funding:	SITE	Reporting Period To:	2/23/01
SSID:	05WE	Work Assignment Status:	ON-GOING	Invoice Date:	3/19/01
State:	WI	Remediation Category:		Invoice Number:	066
Region:	5	Operable Unit:	01	Purpose:	Monthly Progress

Task Number: 4	Task Title: PROCUREMENT OF SUBCONTRACT	Task Category Code: PB
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TOTALS FOR TASK 4 (PRIME + TEAM SUBCONTRACTORS)

Cost Elements:	Current		Cumulative		Approved Budget		Variance			
	LOE/Hours	Dollars	LOE/Hours	Dollars	LOE/Hours	Dollars	LOE/Hours	% LOE/Hours	Dollars	% Dollars
TOTAL, DIRECT LABOR (Professional)	58.00	1,596.37	194.00	5,499.57	90.00	2,336.63	-104.00	-115.56	-3,162.94	-135.36
TOTAL, DIRECT LABOR (Clerical)					18.00	312.43	18.00	100.00	312.43	100.00
TOTAL, DIRECT COSTS										
Other Direct Costs		151.23		417.28		897.71			480.43	53.52
Travel										
Computer		255.20		855.00		486.00			-369.00	-75.93
Equipment										
Subpool										
PLI (Pollution Liability Insurance) Premium										
TOTAL, INDIRECT COSTS (Fringe, O/H, G&A)		2,385.01		8,224.70		4,002.86			-4,221.84	-105.47
TOTAL, TEAM SUB FEES (as negotiated)										
TOTAL, BASE FEES (Prime)		167.04		558.72		321.40			-237.32	-73.84
TOTAL, TASK 4 COSTS	58.00	4,554.85	194.00	15,555.27	108.00	8,357.03			-7,198.24	-86.13

REPORT 1

Work Assignment -- Task Level Specific Detail Report -- Variance Based on Remaining Resources

Work Assignment Number: 101-RALR-05WE	Work Area Code: RA	WA Period of Performance Start: 9/30/00
Work Assignment Title: PENTA WOOD PRODUCTS, WI	Action Code: LR	WA Period of Performance End: 9/29/03
Contractor Name: CH2M HILL INC	WA Form: TERM	Reporting Period From: 1/27/01
Contract Number: 68-W6-0025	Type Funding: SITE	Reporting Period To: 2/23/01
SSID: 05WE	Work Assignment Status: ON-GOING	Invoice Date: 3/19/01
State: WI	Remediation Category:	Invoice Number: 066
Region: 5	Operable Unit: 01	Purpose: Monthly Progress

Task Number: 7		Task Title: CLEANUP VALIDATION				Task Category Code: CV					
PRIME CONTRACTOR		Current		Cumulative		Approved Budget		Variance			
Cost Elements:	SU	LOE/Hours	Dollars	LOE/Hours	Dollars	LOE/Hours	Dollars	LOE/Hours	% LOE/Hours	Dollars	% Dollars
Direct Labor											
P-4	SMITH, PHILIP R	1.00		27.00							
P-4	Subtotal	1.00	39.55	27.00	1,019.23	22.00	1,081.06	-5.00	-22.73	61.83	5.72
P-3	BAYER, REGINA C			123.00							
P-3	Subtotal			123.00	4,271.79	476.00	17,425.20	353.00	74.16	13,153.41	75.48
P-2	ANDRAE, WILLIAM M			15.00							
	GARBER, KAROLINE M	5.00		5.00							
P-2	Subtotal	5.00	104.70	20.00	489.00	364.00	9,373.87	344.00	94.51	8,884.87	94.78
P-1	ARPS, PAUL	3.00		122.00							
	GARBER, KAROLINE M			9.00							
P-1	Subtotal	3.00	55.24	131.00	2,329.98	453.80	10,439.15	322.80	71.13	8,109.17	77.68
T-2	PETERSHACK, MARK D			1.50							
	SHEKOSKI, DAVID L	2.30		114.70							
T-2	Subtotal	2.30	59.25	116.20	2,883.18	464.10	10,811.93	347.90	74.96	7,928.75	73.33
T-1	STREHLOW, ROBERT W			19.50							
T-1	Subtotal			19.50	374.13	1,122.00	18,846.20	1,102.50	98.26	18,472.07	98.01
TOTAL, PROFESSIONAL		11.30	258.74	436.70	11,367.31	2,901.90	67,977.41	2,465.20	84.95	56,610.10	83.28
Clerical	HUGHES, BOBBIE N	0.20		0.20							
TOTAL, CLERICAL		0.20	2.80	0.20	2.80	20.00	347.06	19.80	99.00	344.26	99.19
TOTAL, DIRECT LABOR		11.50	261.54	436.90	11,370.11	2,921.90	68,324.47	2,485.00	85.05	56,954.36	83.36

DIRECT COSTS

ODCs			
Reproduction			100.04
Phone/Fax	14.95	567.97	3,798.48
Consumables	108.00	336.28	399.96
Mail/Courier/Freight	367.10	868.79	799.99
Health & Safety	18.03	714.44	5,040.13

REPORT 1

Work Assignment -- Task Level Specific Detail Report -- Variance Based on Remaining Resources

Work Assignment Number: 101-RALR-05WE	Work Area Code: RA	WA Period of Performance Start: 9/30/00
Work Assignment Title: PENTA WOOD PRODUCTS, WI	Action Code: LR	WA Period of Performance End: 9/29/03
Contractor Name: CH2M HILL INC	WA Form: TERM	Reporting Period From: 1/27/01
Contract Number: 68-W6-0025	Type Funding: SITE	Reporting Period To: 2/23/01
SSID: 05WE	Work Assignment Status: ON-GOING	Invoice Date: 3/19/01
State: WI	Remediation Category:	Invoice Number: 066
Region: 5	Operable Unit: 01	Purpose: Monthly Progress

Task Number: 7		Task Title: CLEANUP VALIDATION				Task Category Code: CV					
PRIME CONTRACTOR		Current		Cumulative		Approved Budget		Variance			
Cost Elements:	SU	LOE/Hours	Dollars	LOE/Hours	Dollars	LOE/Hours	Dollars	LOE/Hours	% LOE/Hours	Dollars	% Dollars
Other							600.02				
Subtotal, ODCs			508.08		2,487.48		10,738.62			8,251.14	76.84
Computer			50.60		1,959.49		13,149.05			11,189.56	85.10
Travel			579.79		2,523.59		9,599.99			7,076.40	73.71
Equipment			125.00		4,844.74		1,000.07			-3,844.67	-384.44
Subpool			1,360.00		17,277.50		208,875.05			191,597.55	91.73
TOTAL, DIRECT COSTS			2,623.47		29,092.80		243,362.78			214,269.98	88.05
TOTAL, PRIME DIRECTS		11.50	2,885.01	436.90	40,462.91	2,921.90	311,687.25				
(LOE/HRS/COST)											
INDIRECT COSTS											
Fringe (31.400% Direct Labor)			82.14		3,721.15						
Overhead (51.300% Direct Labor)			134.15		6,215.12		60,125.57				
G&A (66.700% Direct Labor)			174.44		7,221.69		43,112.68				
TOTAL, PRIME INDIRECT COSTS			390.73		17,157.96		103,238.25				
FEEES											
2.88 x Prime LOE Hours, plus 4.00% of Equipment			37.54		1,451.44		16,556.93				
2.00% of Subpool			27.20		345.55		20.01				
SUBTOTAL BASE FEES			64.74		1,796.99		16,576.94				
TOTAL TASK, PRIME COSTS			3,340.48		59,417.86		431,502.44				
(DIRECTS + INDIRECTS + BASE FEES)											

REPORT 1

Work Assignment -- Task Level Specific Detail Report -- Variance Based on Remaining Resources

Work Assignment Number: 101-RALR-05WE
 Work Assignment Title: PENTA WOOD PRODUCTS, WI
 Contractor Name: CH2M HILL, INC.
 Contract Number: 68-W6-0025
 SSID: 05WE
 State: WI
 Region: 5

Work Area Code: RA
 Action Code: LR
 WA Form: TERM
 Type Funding: SITE
 Work Assignment Status: ON-GOING
 Remediation Category:
 Operable Unit: 01

WA Period of Performance Start: 9/30/00
 WA Period of Performance End: 9/29/03
 Reporting Period From: 1/27/01
 Reporting Period To: 2/23/01
 Invoice Date: 3/19/01
 Invoice Number: 066
 Purpose: Monthly Progress

Task Number: 7	Task Title: CLEANUP VALIDATION	Task Category Code: CV
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TOTALS FOR TASK 7 (PRIME + TEAM SUBCONTRACTORS)

Cost Elements:	Current		Cumulative		Approved Budget		Variance			
	LOE/Hours	Dollars	LOE/Hours	Dollars	LOE/Hours	Dollars	LOE/Hours	% LOE/Hours	Dollars	% Dollars
TOTAL, DIRECT LABOR (Professional)	11.30	258.74	436.70	11,367.31	2,901.90	67,977.41	2,465.20	84.95	56,610.10	83.28
TOTAL, DIRECT LABOR (Clerical)	0.20	2.80	0.20	2.80	20.00	347.06	19.80	99.00	344.26	99.19
TOTAL, DIRECT COSTS										
Other Direct Costs		508.08		2,487.48		10,738.62			8,251.14	76.84
Travel		579.79		2,523.59		9,599.99			7,076.40	73.71
Computer		50.60		1,959.49		13,149.05			11,189.56	85.10
Equipment		125.00		4,844.74		1,000.07			-3,844.67	-384.44
Subpool		1,360.00		17,277.50		208,875.05			191,597.55	91.73
PLI (Pollution Liability Insurance) Premium										
TOTAL, INDIRECT COSTS (Fringe, O/H, G&A)		390.73		17,157.96		103,238.25			86,080.29	83.38
TOTAL, TEAM SUB FEES (as negotiated)										
TOTAL, BASE FEES (Prime)		64.74		1,796.99		16,576.94			14,779.95	89.16
TOTAL, TASK 7 COSTS	11.50	3,340.48	436.90	59,417.86	2,921.90	431,502.44			372,084.58	86.23

REPORT 1

Work Assignment -- Task Level Specific Detail Report -- Variance Based on Remaining Resources

Work Assignment Number:	101-RALR-05WE	Work Area Code:	RA	WA Period of Performance Start:	9/30/00
Work Assignment Title:	PENTA WOOD PRODUCTS, WI	Action Code:	LR	WA Period of Performance End:	9/29/03
Contractor Name:	CH2M HILL INC	WA Form:	TERM	Reporting Period From:	1/27/01
Contract Number:	68-W6-0025	Type Funding:	SITE	Reporting Period To:	2/23/01
SSID:	05WE	Work Assignment Status:	ON-GOING	Invoice Date:	3/19/01
State:	WI	Remediation Category:		Invoice Number:	066
Region:	5	Operable Unit:	01	Purpose:	Monthly Progress

Task Number: 8		Task Title: REMEDIAL ACTION IMPLEMENTATION						Task Category Code: AI			
PRIME CONTRACTOR		Current		Cumulative		Approved Budget		Variance			
Cost Elements:	SU	LOE/Hours	Dollars	LOE/Hours	Dollars	LOE/Hours	Dollars	LOE/Hours	% LOE/Hours	Dollars	% Dollars
Direct Labor											
T-1				1.00							
T-1				1.00	19.00			-1.00		-19.00	
TOTAL, PROFESSIONAL				1.00	19.00			-1.00		-19.00	
Clerical HILDEBRAND, JUANITA M											
				0.30							
TOTAL, CLERICAL				0.30	5.82			-0.30		-5.82	
TOTAL, DIRECT LABOR				1.30	24.82			-1.30		-24.82	
DIRECT COSTS											
ODCs											
Phone/Fax						1.69					
Consumables											
Mail/Courier/Freight						36.88					
Health & Safety						1.76					
Other						639.30					
Subtotal, ODCs						679.63				-679.63	
Computer						5.85				-5.85	
Subpool					19,358.00	246,426.07	653,634.46			407,208.39	62.30
TOTAL, DIRECT COSTS					19,358.00	247,111.55	653,634.46			406,522.91	62.19
TOTAL, PRIME DIRECTS					19,358.00	1.30	247,136.37			653,634.46	
(LOE/HRS/COST)											

INDIRECT COSTS											
Fringe (31.400% Direct Labor)						8.17					
Overhead (51.300% Direct Labor)						13.67					
G&A (66.700% Direct Labor)						15.65					
TOTAL, PRIME INDIRECT COSTS						37.49					

FEES

REPORT 1

Work Assignment -- Task Level Specific Detail Report -- Variance Based on Remaining Resources

Work Assignment Number:	101-RALR-05WE	Work Area Code:	RA	WA Period of Performance Start:	9/30/00
Work Assignment Title:	PENTA WOOD PRODUCTS, WI	Action Code:	LR	WA Period of Performance End:	9/29/03
Contractor Name:	CH2M HILL INC	WA Form:	TERM	Reporting Period From:	1/27/01
Contract Number:	68-W6-0025	Type Funding:	SITE	Reporting Period To:	2/23/01
SSID:	05WE	Work Assignment Status:	ON-GOING	Invoice Date:	3/19/01
State:	WI	Remediation Category:		Invoice Number:	066
Region:	5	Operable Unit:	01	Purpose:	Monthly Progress

Task Number: 8		Task Title: REMEDIAL ACTION IMPLEMENTATION						Task Category Code: AI			
PRIME CONTRACTOR		Current		Cumulative		Approved Budget		Variance			
Cost Elements:	SU	LOE/Hours	Dollars	LOE/Hours	Dollars	LOE/Hours	Dollars	LOE/Hours	% LOE/Hours	Dollars	% Dollars
2.88 x Prime LOE Hours, plus 4.00% of Equipment						2.88					
2.00% of Subpool			387.16		4,928.52		13,242.62				
SUBTOTAL BASE FEES			387.16		4,931.40		13,242.62				
TOTAL TASK, PRIME COSTS			19,745.16		252,105.26		666,877.08				
(DIRECTS + INDIRECTS + BASE FEES)											

REPORT 1

Work Assignment -- Task Level Specific Detail Report -- Variance Based on Remaining Resources

Work Assignment Number:	101-RALR-05WE	Work Area Code:	RA	WA Period of Performance Start:	9/30/00
Work Assignment Title:	PENTA WOOD PRODUCTS, WI	Action Code:	LR	WA Period of Performance End:	9/29/03
Contractor Name:	CH2M HILL, INC.	WA Form:	TERM	Reporting Period From:	1/27/01
Contract Number:	68-W6-0025	Type Funding:	SITE	Reporting Period To:	2/23/01
SSID:	05WE	Work Assignment Status:	ON-GOING	Invoice Date:	3/19/01
State:	WI	Remediation Category:		Invoice Number:	066
Region:	5	Operable Unit:	01	Purpose:	Monthly Progress

Task Number: 8	Task Title: REMEDIAL ACTION IMPLEMENTATION	Task Category Code: AI
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TOTALS FOR TASK 8 (PRIME + TEAM SUBCONTRACTORS)

Cost Elements:	Current		Cumulative		Approved Budget		Variance			
	LOE/Hours	Dollars	LOE/Hours	Dollars	LOE/Hours	Dollars	LOE/Hours	% LOE/Hours	Dollars	% Dollars
TOTAL, DIRECT LABOR (Professional)			1.00	19.00			-1.00		-19.00	
TOTAL, DIRECT LABOR (Clerical)			0.30	5.82			-0.30		-5.82	
TOTAL, DIRECT COSTS										
Other Direct Costs				679.63					-679.63	
Travel										
Computer				5.85					-5.85	
Equipment										
Subpool		19,358.00		246,426.07		653,634.46			407,208.39	62.30
PLI (Pollution Liability Insurance) Premium										
TOTAL, INDIRECT COSTS (Fringe, O/H, G&A)				37.49					-37.49	
TOTAL, TEAM SUB FEES (as negotiated)										
TOTAL, BASE FEES (Prime)		387.16		4,931.40		13,242.62			8,311.22	62.76
TOTAL, TASK 8 COSTS		19,745.16	1.30	252,105.26		666,877.08			414,771.82	62.20

REPORT 1

Work Assignment -- Task Level Specific Detail Report -- Variance Based on Remaining Resources

Work Assignment Number: 101-RALR-05WE	Work Area Code: RA	WA Period of Performance Start: 9/30/00
Work Assignment Title: PENTA WOOD PRODUCTS, WI	Action Code: LR	WA Period of Performance End: 9/29/03
Contractor Name: CH2M HILL INC	WA Form: TERM	Reporting Period From: 1/27/01
Contract Number: 68-W6-0025	Type Funding: SITE	Reporting Period To: 2/23/01
SSID: 05WE	Work Assignment Status: ON-GOING	Invoice Date: 3/19/01
State: WI	Remediation Category:	Invoice Number: 066
Region: 5	Operable Unit: 01	Purpose: Monthly Progress

Task Number: 9		Task Title: PROJECT PERFORMANCE						Task Category Code: PJ			
PRIME CONTRACTOR		Current		Cumulative		Approved Budget		Variance			
Cost Elements:	SU	LOE/Hours	Dollars	LOE/Hours	Dollars	LOE/Hours	Dollars	LOE/Hours	% LOE/Hours	Dollars	% Dollars

Direct Labor

P-4 Subtotal						10.00	491.40	10.00	100.00	491.40	100.00
P-3	BAYER, REGINA C	31.00		77.00							
	KNIGHT, JACK C			13.00							
	SCHULTZ, DAVID E			5.30							
P-3 Subtotal		31.00	1,145.14	95.30	3,307.20	179.90	6,589.35	84.60	47.03	3,282.15	49.81
P-2	ANDRAE, WILLIAM M	42.00		363.00							
P-2 Subtotal		42.00	1,122.96	363.00	9,417.13	120.00	3,090.26	-243.00	-202.50	-6,326.87	-204.74
P-1	LEHMAN, BRIAN R	2.50		10.50							
	LEPKOWSKI, MARK J			4.50							
	SHRAKE, ALEXANDRA M B			7.50							
P-1 Subtotal		2.50	74.73	22.50	563.49			-22.50		-563.49	
T-2	LIETHEN, CHRISTINE M			324.00							
	PETERSHACK, MARK D			15.00							
	REICHERT, MARCUS A			4.00							
	YOUNG, PRESTON			39.50							
T-2 Subtotal				382.50	9,441.53			-382.50		-9,441.53	
T-1	GAUSMAN WICKLUND, MARY S	79.00		431.00							
	STREHLOW, ROBERT W			5.50							
T-1 Subtotal		79.00	950.38	436.50	5,292.44	2,508.00	42,126.85	2,071.50	82.60	36,834.41	87.44
TOTAL, PROFESSIONAL		154.50	3,293.21	1,299.80	28,021.79	2,817.90	52,297.86	1,518.10	53.87	-24,276.07	46.42
Clerical	GAUGER, ELAINE A	0.30		0.30							
	KLOSE, KARI			1.50							
	MERKEL, MARCY A			0.30							
TOTAL, CLERICAL		0.30	4.23	2.10	31.34			-2.10		-31.34	
TOTAL, DIRECT LABOR		154.80	3,297.44	1,301.90	28,053.13	2,817.90	52,297.86	1,516.00	53.80	24,244.73	46.36

REPORT 1

Work Assignment -- Task Level Specific Detail Report -- Variance Based on Remaining Resources

Work Assignment Number:	101-RALR-05WE	Work Area Code:	RA	WA Period of Performance Start:	9/30/00
Work Assignment Title:	PENTA WOOD PRODUCTS, WI	Action Code:	LR	WA Period of Performance End:	9/29/03
Contractor Name:	CH2M HILL INC	WA Form:	TERM	Reporting Period From:	1/27/01
Contract Number:	68-W6-0025	Type Funding:	SITE	Reporting Period To:	2/23/01
SSID:	05WE	Work Assignment Status:	ON-GOING	Invoice Date:	3/19/01
State:	WI	Remediation Category:		Invoice Number:	066
Region:	5	Operable Unit:	01	Purpose:	Monthly Progress

Task Number: 9		Task Title: PROJECT PERFORMANCE						Task Category Code: PJ			
PRIME CONTRACTOR		Current		Cumulative		Approved Budget		Variance			
Cost Elements:	SU	LOE/Hours	Dollars	LOE/Hours	Dollars	LOE/Hours	Dollars	LOE/Hours	% LOE/Hours	Dollars	% Dollars

DIRECT COSTS

ODCs											
Reproduction				1,549.67		500.07					
Phone/Fax			207.09	2,465.42		3,663.52					
Consumables			840.04	2,972.55		1,000.07					
Supplies				72.90							
Mail/Courier/Freight			163.01	273.05		2,200.05					
Health & Safety			266.01	1,890.93		4,913.99					
Other			17.09	2,150.41		118,999.92					
Subtotal, ODCs			1,493.24	11,374.93		131,277.62				119,902.69	91.34
Computer			700.92	5,902.48		12,680.96				6,778.48	53.45
Travel			364.64	5,935.89		3,999.98				-1,935.91	-48.40
Subpool			4,811.65	11,566.55						-11,566.55	
TOTAL, DIRECT COSTS			7,370.45	34,779.85		147,958.56				113,178.71	76.49
TOTAL, PRIME DIRECTS		154.80	10,667.89	1,301.90	62,832.98	2,817.90	200,256.42				
(LOE/HRS/COST)											

INDIRECT COSTS

Fringe (31.400% Direct Labor)			1,035.40	9,112.09							
Overhead (51.300% Direct Labor)			1,691.57	15,159.74		46,022.12					
G&A (66.700% Direct Labor)			2,199.39	17,983.35		32,999.95					
TOTAL, PRIME INDIRECT COSTS			4,926.36	42,255.18		79,022.07					

FEES

2.88 x Prime LOE Hours, plus 4.00% of Equipment			444.96	3,743.42		11,171.20					
2.00% of Subpool			96.23	231.32							
SUBTOTAL BASE FEES			541.19	3,974.74		11,171.20					
TOTAL TASK, PRIME COSTS			16,135.44	109,062.90		290,449.69					
(DIRECTS + INDIRECTS + BASE FEES)											

REPORT 1

Work Assignment -- Task Level Specific Detail Report -- Variance Based on Remaining Resources

Work Assignment Number: 101-RALR-05WE	Work Area Code: RA	WA Period of Performance Start: 9/30/00
Work Assignment Title: PENTA WOOD PRODUCTS, WI	Action Code: LR	WA Period of Performance End: 9/29/03
Contractor Name: CH2M HILL, INC.	WA Form: TERM	Reporting Period From: 1/27/01
Contract Number: 68-W6-0025	Type Funding: SITE	Reporting Period To: 2/23/01
SSID: 05WE	Work Assignment Status: ON-GOING	Invoice Date: 3/19/01
State: WI	Remediation Category:	Invoice Number: 066
Region: 5	Operable Unit: 01	Purpose: Monthly Progress

Task Number: 9	Task Title: PROJECT PERFORMANCE	Task Category Code: PJ
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TOTALS FOR TASK 9 (PRIME + TEAM SUBCONTRACTORS)

Cost Elements:	Current		Cumulative		Approved Budget		Variance			
	LOE/Hours	Dollars	LOE/Hours	Dollars	LOE/Hours	Dollars	LOE/Hours	% LOE/Hours	Dollars	% Dollars
TOTAL, DIRECT LABOR (Professional)	154.50	3,293.21	1,299.80	28,021.79	2,817.90	52,297.86	1,518.10	53.87	24,276.07	46.42
TOTAL, DIRECT LABOR (Clerical)	0.30	4.23	2.10	31.34			-2.10		-31.34	
TOTAL, DIRECT COSTS										
Other Direct Costs		1,493.24		11,374.93		131,277.62			119,902.69	91.34
Travel		364.64		5,935.89		3,999.98			-1,935.91	-48.40
Computer		700.92		5,902.48		12,680.96			6,778.48	53.45
Equipment										
Subpool		4,811.65		11,566.55					-11,566.55	
PLI (Pollution Liability Insurance) Premium										
TOTAL, INDIRECT COSTS (Fringe, O/H, G&A)		4,926.36		42,255.18		79,022.07			36,766.89	46.53
TOTAL, TEAM SUB FEES (as negotiated)										
TOTAL, BASE FEES (Prime)		541.19		3,974.74		11,171.20			7,196.46	64.42
TOTAL, TASK 9 COSTS	154.80	16,135.44	1,301.90	109,062.90	2,817.90	290,449.69			181,386.79	62.45

REPORT 1

Work Assignment -- Task Level Specific Detail Report -- Variance Based on Remaining Resources

Work Assignment Number:	101-RALR-05WE	Work Area Code:	RA	WA Period of Performance Start:	9/30/00
Work Assignment Title:	PENTA WOOD PRODUCTS, WI	Action Code:	LR	WA Period of Performance End:	9/29/03
Contractor Name:	CH2M HILL, INC.	WA Form:	TERM	Reporting Period From:	1/27/01
Contract Number:	68-W6-0025	Type Funding:	SITE	Reporting Period To:	2/23/01
SSID:	05WE	Work Assignment Status:	ON-GOING	Invoice Date:	3/19/01
State:	WI	Remediation Category:		Invoice Number:	066
Region:	5	Operable Unit:	01	Purpose:	Monthly Progress

Task Number: 11	Task Title: WORK ASSIGNMENT CLOSE OUT	Task Category Code: CO
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TOTALS FOR TASK 11 (PRIME + TEAM SUBCONTRACTORS)

Cost Elements:	Current		Cumulative		Approved Budget		Variance			
	LOE/Hours	Dollars	LOE/Hours	Dollars	LOE/Hours	Dollars	LOE/Hours	% LOE/Hours	Dollars	% Dollars
TOTAL, DIRECT LABOR (Professional)					20.00	573.76	20.00	100.00	573.76	100.00
TOTAL, DIRECT LABOR (Clerical)					6.00	104.11	6.00	100.00	104.11	100.00
TOTAL, DIRECT COSTS										
Other Direct Costs						268.82			268.82	100.00
Travel										
Computer						117.01			117.01	100.00
Equipment										
Subpool										
PLI (Pollution Liability Insurance) Premium										
TOTAL, INDIRECT COSTS (Fringe, O/H, G&A)						1,024.17			1,024.17	100.00
TOTAL, TEAM SUB FEES (as negotiated)										
TOTAL, BASE FEES (Prime)						83.48			83.48	100.00
TOTAL, TASK 11 COSTS					26.00	2,171.35			2,171.35	100.00

REPORT 1

Work Assignment -- Task Level Specific Detail Report -- Variance Based on Remaining Resources

Work Assignment Number: 101-RALR-05WE	Work Area Code: RA	WA Period of Performance Start: 9/30/00
Work Assignment Title: PENTA WOOD PRODUCTS, WI	Action Code: LR	WA Period of Performance End: 9/29/03
Contractor Name: CH2M HILL, INC.	WA Form: TERM	Reporting Period From: 1/27/01
Contract Number: 68-W6-0025	Type Funding: SITE	Reporting Period To: 2/23/01
SSID: 05WE	Work Assignment Status: ON-GOING	Invoice Date: 3/19/01
State: WI	Remediation Category:	Invoice Number: 066
Region: 5	Operable Unit: 01	Purpose: Monthly Progress

WORK ASSIGNMENT TOTALS (ALL TASKS)

Cost Elements:	Current		Cumulative		Approved Budget		Variance			
	LOE/Hours	Dollars	LOE/Hours	Dollars	LOE/Hours	Dollars	LOE/Hours	% LOE/Hours	Dollars	% Dollars
TOTAL, DIRECT LABOR (Professional)	253.10	6,235.05	2,310.40	55,576.49	6,317.80	138,243.03	4,007.40	63.43	82,666.54	59.80
TOTAL, DIRECT LABOR (Clerical)	9.00	137.16	98.10	1,405.70	161.90	2,811.35	63.80	39.41	1,405.65	50.00
TOTAL, DIRECT COSTS										
Other Direct Costs		2,243.86		16,927.38		145,935.71			129,008.33	88.40
Travel		944.43		8,459.48		13,599.97			5,140.49	37.80
Computer		1,173.04		10,872.06		29,160.18			18,288.12	62.72
Equipment		125.00		4,844.74		1,000.07			-3,844.67	-384.44
Subpool		25,529.65		275,270.12		862,509.51			587,239.39	68.08
PLI (Pollution Liability Insurance) Premium										
TOTAL, INDIRECT COSTS (Fringe, O/H, G&A)		9,520.09		85,822.49		213,132.73			127,310.24	59.73
TOTAL, TEAM SUB FEES (as negotiated)										
TOTAL, BASE FEES (Prime)		1,244.51		12,353.09		43,332.92			30,979.83	71.49
TOTAL, PERFORMANCE (AWARD) FEE (Prime)						64,999.15			64,999.15	100.00
TOTAL, WORK ASSIGNMENT	262.10	47,152.79	2,408.50	471,531.55	6,479.70	1,514,724.62			1,043,193.07	68.87
<i>Average Hourly Rate</i>		24.31		23.66						

Superfund Jobs Training Initiative (Super JTI) Summary

	Current		Cumulative	
	LOE/Hours	Dollars	LOE/Hours	Dollars
CH2M HILL CONSTRUCTORS	0.00	0.00	0.00	0.00
CH2M HILL INC	0.00	0.00	0.00	0.00
ECOLOGY AND ENVIRONMENT, TN & ASSOCIATES INC.	0.00	0.00	0.00	0.00
TUCKER, YOUNG, JACKSON, TULL INC	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00

REPORT 1A

Work Assignment Supplemental Detail Report - Travel and Other Direct Costs for Vendors

Work Assignment Number: 101-RALR-05WE
 Work Assignment Title: PENTA WOOD PRODUCTS, WI
 Contractor Name: CH2M HILL INC
 Contract Number: 68-W6-0025
 SSID: 05WE
 State: WI
 Region: 5

Work Area Code: RA
 Action Code: LR
 WA Form: TERM
 Type Funding: SITE
 Work Assignment Status: ON-GOING
 Remediation Category:
 Operable Unit: 01

WA Period of Performance Start: 9/30/00
 WA Period of Performance End: 9/29/03
 Reporting Period From: 1/27/01
 Reporting Period To: 2/23/01
 Invoice Date: 3/19/01
 Invoice Number: 086
 Purpose: Monthly Progress

TRAVEL BREAKDOWN

CH2M HILL INC

TRAVELER'S NAME	TRAVEL FROM	TRAVEL TO	DEPARTURE DATE	RETURN DATE	TRANSPORTATION	LODGING	PER DIEM	OTHER	TOTAL	TRAVEL PURPOSE
ARPS, PAUL	MILWAUKEE, WI	SIREN, WI	01/09/2001	01/11/2001	364.74	120.46	57.72	36.87	579.79	GROUNDWATER SAMPLING AT PENTA WOOD
ANDRAE, WILLIAM M	MILWAUKEE, WI	SIREN, WI	02/01/2001	02/02/2001	246.68	60.23	57.73	0.00	364.64	OBSERVE VFD INSTALLATION & SYSTEM RE-START UP
Total, CH2M HILL INC Travel Costs					611.42	180.69	115.45	36.87	944.43	

REPORT 1A

Work Assignment Supplemental Detail Report - Travel and Other Direct Costs for Vendors

Work Assignment Number: 101-RALR-05WE
 Work Assignment Title: PENTA WOOD PRODUCTS, WI
 Contractor Name: CH2M HILL INC
 Contract Number: 68-W6-0025
 SSID: 05WE
 State: WI
 Region: 5

Work Area Code: RA
 Action Code: LR
 WA Form: TERM
 Type Funding: SITE
 Work Assignment Status: ON-GOING
 Remediation Category:
 Operable Unit: 01

WA Period of Performance Start: 9/30/00
 WA Period of Performance End: 9/29/03
 Reporting Period From: 1/27/01
 Reporting Period To: 2/23/01
 Invoice Date: 3/19/01
 Invoice Number: 066
 Purpose: Monthly Progress

OTHER DIRECT COSTS FOR VENDORS

CH2M HILL INC

Vendor Name	Brief Description of Work	Business Status	Current Dollars
Supplies (Incl. Materials, etc.) ENVIRONMENTAL RESOURCE ASSOCIATES	EQUIPMENT/CONSUMABLE	SBE	108.00
Total, CH2M HILL INC ODC Vendors			108.00

CH2M HILL INC -- Cumulative by Business Type

Business Status	Cumulative Dollars
SBE	108.00

REPORT 1B

Work Assignment Supplemental Detail Report - Subpool Summary

Work Assignment Number: 101-RALR-05WE
 Work Assignment Title: PENTA WOOD PRODUCTS, WI
 Contractor Name: CH2M HILL, INC.
 Contract Number: 68-WG-0025
 SSID: 05WE
 State: WI
 Region: 5

Work Area Code: RA
 Action Code: LR
 WA Form: TERM
 Type Funding: SITE
 Work Assignment Status: ON-GOING
 Remediation Category:
 Operable Unit: 01

WA Period of Performance Start: 9/30/00
 WA Period of Performance End: 9/29/03
 Reporting Period From: 1/27/01
 Reporting Period To: 2/23/01
 Invoice Date: 3/19/01
 Invoice Number: 066
 Purpose: Monthly Progress

Subpool Work by Task

Task						
No.	Cat. Code	Subpool Subcontractor Name	Brief Description of Work	Current Dollars	Cumulative Dollars	Approved Budget Dollars
7	CV	PEL LABORATORIES INC.	ANALYTICAL SERVICES	1,360.00	17,277.50	79,865.00
		Subtotal of Task 7		1,360.00	17,277.50	79,865.00
8	AI	CARBONAIR ENVIRONMENTAL SYSTEMS INC	CLAY VESSEL EXCHANGE	0.00	10,275.17	45,848.00
		CARBONAIR ENVIRONMENTAL SYSTEMS INC	EQUIPMENT INSTALLATION	0.00	0.00	9,638.00
		DAKOTA INTERTEK CORP	GROUNDWATER TREATMENT	19,358.00	27,518.00	39,564.00
		DAVIDSON WELL DRILLING LIMITED	DRILLING	0.00	0.00	6,000.00
		SAFETY KLEEN	DISPOSAL SERVICE	0.00	14,038.50	14,038.50
		SAFETY KLEEN	CLEANING TANKS	0.00	10,418.25	10,815.25
		TWL ENTERPRISES/ DBA TCL PROCESS TECHNOLOGIES	PROVIDE PUMPS	0.00	14,266.25	14,266.25
		WRS INFRASTRUCTURE & ENVIRONMENT INC	EARTHWORK	0.00	169,909.90	188,495.57
		Subtotal of Task 8		19,358.00	246,426.07	328,665.57
9	PJ	BROWNING FERRIS INDUSTRIES	DUMPSTER SERVICE	40.80	81.60	489.60
		CHIBARDUN TELEPHONE COOPERATIVE INC	PAGER SERVICE	10.55	10.55	379.80
		JOHN KLAAS/ A-1 SEPTIC	PORTABLE TOILETS	0.00	0.00	1,085.00
		NORTHWESTERN WISCONSIN ELECTRIC CO	ELECTRICITY SERVICES	962.55	1,714.71	107,000.00
		NORTHWESTERN WISCONSIN ELECTRIC CO	REMOVE & REINSTALL ELECTRICAL SERVICE	0.00	5,961.94	5,961.94
		PRICE ENGINEERING COMPANY INC	DRIVE EQUIPMENT	3,541.56	3,541.56	3,816.12
		SIREN TELEPHONE CO	TELEPHONE SERVICE	256.19	256.19	10,000.00
		Subtotal of Task 9		4,811.65	11,566.55	128,732.46
		Total		25,529.65	275,270.12	537,263.03

REPORT 1B

Work Assignment Supplemental Detail Report - Subpool Summary

Work Assignment Number: 101-RALR-05WE
 Work Assignment Title: PENTA WOOD PRODUCTS, WI
 Contractor Name: CH2M HILL, INC.
 Contract Number: 68-W6-0025
 SSID: 05WE
 State: WI
 Region: 5

Work Area Code: RA
 Action Code: LR
 WA Form: TERM
 Type Funding: SITE
 Work Assignment Status: ON-GOING
 Remediation Category:
 Operable Unit: 01

WA Period of Performance Start: 9/30/00
 WA Period of Performance End: 9/29/03
 Reporting Period From: 1/27/01
 Reporting Period To: 2/23/01
 Invoice Date: 3/19/01
 Invoice Number: 066
 Purpose: Monthly Progress

Subpool Work by Subpool Subcontractor

Task					
No.	Cat. Code	Subpool Subcontractor Name	Current Dollars	Cumulative Dollars	Approved Budget Dollars
9	PJ	BROWNING FERRIS INDUSTRIES	40.80	81.60	489.60
		Subtotal for Subpool Subcontractor	40.80	81.60	489.60
8	AI	CARBONAIR ENVIRONMENTAL SYSTEMS INC	0.00	10,275.17	55,486.00
		Subtotal for Subpool Subcontractor	0.00	10,275.17	55,486.00
9	PJ	CHIBARDUN TELEPHONE COOPERATIVE INC	10.55	10.55	379.80
		Subtotal for Subpool Subcontractor	10.55	10.55	379.80
8	AI	DAKOTA INTERTEK CORP	19,358.00	27,518.00	39,564.00
		Subtotal for Subpool Subcontractor	19,358.00	27,518.00	39,564.00
8	AI	DAVIDSON WELL DRILLING LIMITED	0.00	0.00	6,000.00
		Subtotal for Subpool Subcontractor	0.00	0.00	6,000.00
9	PJ	JOHN KLAAS/ A-1 SEPTIC	0.00	0.00	1,085.00
		Subtotal for Subpool Subcontractor	0.00	0.00	1,085.00
9	PJ	NORTHWESTERN WISCONSIN ELECTRIC CO	962.55	7,676.65	112,961.94
		Subtotal for Subpool Subcontractor	962.55	7,676.65	112,961.94
7	CV	PEL LABORATORIES INC.	1,360.00	17,277.50	79,865.00
		Subtotal for Subpool Subcontractor	1,360.00	17,277.50	79,865.00
9	PJ	PRICE ENGINEERING COMPANY INC	3,541.56	3,541.56	3,816.12
		Subtotal for Subpool Subcontractor	3,541.56	3,541.56	3,816.12
8	AI	SAFETY KLEEN	0.00	24,456.75	24,853.75
		Subtotal for Subpool Subcontractor	0.00	24,456.75	24,853.75
9	PJ	SIREN TELEPHONE CO	256.19	256.19	10,000.00
		Subtotal for Subpool Subcontractor	256.19	256.19	10,000.00
8	AI	TWL ENTERPRISES/ DBA TCL PROCESS TECHNOLOGIES	0.00	14,266.25	14,266.25
		Subtotal for Subpool Subcontractor	0.00	14,266.25	14,266.25
8	AI	WRS INFRASTRUCTURE & ENVIRONMENT INC	0.00	169,909.90	188,495.57
		Subtotal for Subpool Subcontractor	0.00	169,909.90	188,495.57
		Total	25,529.65	275,270.12	537,263.03

REPORT 2T

Current Month & Cumulative Status Report --- Task Level Totals within Term Form Work Assignment

Work Assignment Number: 101-RALR-05WE
 Work Assignment Title: PENTA WOOD PRODUCTS, WI
 Contractor Name: CH2M HILL, INC.
 Contract Number: 68-W6-0025
 SSID: 05WE
 State: WI
 Region: 5

Work Area Code: RA
 Action Code: LR
 WA Form: TERM
 Type Funding: SITE
 Work Assignment Status: ON-GOING
 Remediation Category:
 Operable Unit: 01

WA Period of Performance Start: 9/30/00
 WA Period of Performance End: 9/29/03
 Reporting Period From: 1/27/01
 Reporting Period To: 2/23/01
 Invoice Date: 3/19/01
 Invoice Number: 066
 Purpose: Monthly Progress

Current Month

NO.	TASK CAT. CODE	LOE (Prime/Team)						LOE LABOR \$	CLERICAL HOURS	CLERICAL LABOR \$	PLI PREMIUM	ODCs	COMPUTER	TRAVEL	EQUIP.	SUBPOOL	INDIRECT COSTS	FEES	TOTAL LOE	TOTAL \$
		P-4	P-3	P-2	P-1	T-2	T-1													
1	PP	5.00	23.00	1.00	0.10		0.20	1,086.73	8.50	130.13		91.31	166.32				1,817.99	84.38	29.30	3,376.00
3	DU																			
4	PB		16.00	38.00		4.00		1,596.37				151.23	255.20				2,385.01	167.04	58.00	4,554.85
7	CV	1.00		5.00	3.00	2.30		258.74	0.20	2.80		508.08	50.60	579.79	125.00	1,360.00	390.73	64.74	11.30	3,340.48
8	AI														19,358.00			387.16		19,745.16
9	PJ		31.00	42.00	2.50		79.00	3,293.21	0.30	4.23		1,493.24	700.92	364.64		4,811.65	4,926.36	541.19	154.50	16,135.44
11	CO																			
<i>Performance (Award) Fee</i>																		0.00		0.00
TOTAL		6.00	70.00	86.00	5.60	6.30	79.20	6,235.05	9.00	137.16	0.00	2,243.86	1,173.04	944.43	125.00	25,529.65	9,520.09	1,244.51	253.10	47,152.79

REPORT 2T

Current Month & Cumulative Status Report --- Task Level Totals within Term Form Work Assignment

Work Assignment Number: 101-RALR-05WE
 Work Assignment Title: PENTA WOOD PRODUCTS, WI
 Contractor Name: CH2M HILL, INC.
 Contract Number: 68-W6-0025
 SSID: 05WE
 State: WI
 Region: 5

Work Area Code: RA
 Action Code: LR
 WA Form: TERM
 Type Funding: SITE
 Work Assignment Status: ON-GOING
 Remediation Category:
 Operable Unit: 01

WA Period of Performance Start: 9/30/00
 WA Period of Performance End: 9/29/03
 Reporting Period From: 1/27/01
 Reporting Period To: 2/23/01
 Invoice Date: 3/19/01
 Invoice Number: 066
 Purpose: Monthly Progress

Cumulative To-Date

TASK NO.	CAT. CODE	LOE (Prime/Team)						LOE LABOR \$	CLERICAL HOURS	CLERICAL LABOR \$	PLI PREMIUM	ODCs	COMPUTER	TRAVEL	EQUIP.	SUBPOOL	INDIRECT COSTS	FEES	TOTAL LOE	TOTAL \$														
		P-4	P-3	P-2	P-1	T-2	T-1																											
1	PP	24.00	121.00	135.20	2.70	2.00	6.60	8,411.72	95.40	1,364.12		800.65	1,735.51				14,735.03	839.52	291.50	27,886.33														
3	DU		26.00		16.50	43.60	1.30	2,257.10	0.10	1.62		1,167.41	413.73				3,412.13	251.72	87.40	7,503.71														
4	PB		67.00	123.00		4.00		5,499.57				417.28	855.00				8,224.70	558.72	194.00	15,555.27														
7	CV	27.00	123.00	20.00	131.00	116.20	19.50	11,387.31	0.20	2.80		2,487.48	1,959.49	2,523.59	4,844.74	17,277.50	17,157.96	1,796.99	436.70	59,417.86														
8	AI						1.00	19.00	0.30	5.82		679.63	5.85			246,426.07	37.49	4,931.40	1.00	252,105.26														
9	PJ		95.30	363.00	22.50	382.50	436.50	28,021.79	2.10	31.34		11,374.93	5,902.48	5,935.89		11,566.55	42,255.18	3,974.74	1,299.80	109,062.90														
11	CO																																	
<i>Performance (Award) Fee</i>																	0.00																	
TOTAL		51.00	432.30	641.20	172.70	548.30	464.90	55,576.49	98.10	1,405.70	0.00	16,927.38	10,872.06	8,459.48	4,844.74	275,270.12	85,822.49	12,353.09	2,310.40	471,531.55														

Adjustments/Disallowed Costs

TASK		INVOICE NUMBER	SUSPENDED		RE-BILLED		DISALLOWED	
NO.	CAT. CODE		DATE	AMOUNT	DATE	AMOUNT	DATE	AMOUNT

TOTAL

REPORT 3T

Variance Based on Extended To-Date Report --- Task Level --- Term Form Work Assignment

Work Assignment Number: 101-RALR-05WE
 Work Assignment Title: PENTA WOOD PRODUCTS, WI
 Contractor Name: CH2M HILL, INC.
 Contract Number: 68-W6-0025
 SSID: 05WE
 State: WI
 Region: 5

Work Area Code: RA
 Action Code: LR
 WA Form: TERM
 Type Funding: SITE
 Work Assignment Status: ON-GOING
 Remediation Category:
 Operable Unit: 01

WA Period of Performance Start: 9/30/00
 WA Period of Performance End: 9/29/03
 Reporting Period From: 1/27/01
 Reporting Period To: 2/23/01
 Invoice Date: 3/19/01
 Invoice Number: 066
 Purpose: Monthly Progress

TASK NO.	TASK CAT. CODE	TASK TITLE	CUMULATIVE LOE	CUMULATIVE TOTAL LOADED \$ INVOICED	DOLLARS INCURRED BUT NOT INVOICED	TOTAL INVOICED + INCURRED BUT NOT INVOICED	APPROVED BUDGET		VARIANCE BASED ON APPROVED BUDGET			EXPENDITURE LIMIT		VARIANCE BASED ON EXPENDITURE LIMIT	
							LOE	DOLLARS	% LOE INVOICED	% DOLLARS INVOICED	% INV'D+INCUR'D BUT NOT INV'D	LOE	DOLLARS	% LOE INVOICED	% DOLLARS INVOICED
1	PP	PROJECT PLANNING AND SUPPORT	291.50	27,886.55	0.00	27,886.55	418.90	44,047.13	69.59	63.31	63.31	419.00	46,589.00	69.57	59.86
3	DU	DEVELOP/UPDATE OF SS PLANS	87.40	7,503.71	0.00	7,503.71	69.10	6,320.75	126.48	118.72	118.72	69.00	6,685.00	126.67	112.25
4	PB	PROCUREMENT OF SUBCONTRACT	194.00	15,555.27	0.00	15,555.27	90.00	8,357.03	215.56	186.13	186.13	90.00	8,839.00	215.56	175.98
7	CV	CLEANUP VALIDATION	436.70	59,417.86	0.00	59,417.86	2,901.90	431,502.44	15.05	13.77	13.77	2,901.00	456,368.00	15.05	13.02
8	AI	REMEDIAL ACTION IMPLEMENTATION	1.00	252,105.26	0.00	252,105.26	0.00	666,877.08	0.00	37.80	37.80	0.00	552,016.00	0.00	45.67
9	PJ	PROJECT PERFORMANCE	1,299.80	109,062.90	0.00	109,062.90	2,817.90	290,449.69	46.13	37.55	37.55	2,818.00	307,206.00	46.12	35.50
11	CO	WORK ASSIGNMENT CLOSE OUT	0.00	0.00	0.00	0.00	20.00	2,171.35	0.00	0.00	0.00	20.00	2,297.00	0.00	0.00
				<i>Performance (Award) Fee</i>	0.00			64,999.15		0.00					
TOTAL			2,310.40	471,531.55	0.00	471,531.55	6,317.80	1,514,724.62	36.57	31.13	31.13	6,317.00	1,380,000.00	36.57	34.17

05-07-115347X

RAC V TECHNICAL STATUS REPORT

February 24, 2001 to March 30, 2001

RECEIVED
DNR SPOONER

'01 APR 26 AM 11 14

WORK ASSIGNMENT NUMBER: 101-RALR-05WE

SITE NAME: Penta Wood Products-OU 1, WI

ACTIVITY: Long-Term Response Action

CH2M HILL JOB NUMBER: 159815

PREPARED BY: Regina Bayer, Site Manager
Bill Andrae, Assistant Site Manager

PERIOD ENDING: March 30, 2001

COPIES: WAM: Tony Rutter, USEPA, Region 5
PM: Isaac H. Johnson, CH2M HILL, Milwaukee, WI
RTL: Phil Smith, CH2M HILL, Milwaukee, WI
WDNR: Tom Kendzierski, WDNR, Spooner, WI
WDNR: Dave Hantz, WDNR, Madison, WI
WDNR: Pete Prusak, WDNR, Cumberland, WI

1. Progress Made This Reporting Period

As discussed in last month's TSR, it was decided to install a bypass around the oil/water separator because too much oil was being sent to the separator and was being carried over into the clean water section. The bypass will allow the oil to be pumped directly into the free product tank and/or a tanker truck or mobile storage tank. On February 27, Carbonair was onsite to install the bypass. During testing of the bypass, it was noted by the Carbonair tech and the CH2M HILL operator that the free product pumps were pumping more water than oil and pumping was discontinued. This may indicate that the loss of the cone of depression has displaced the oil above the intake of the free product pumps and/or away from the well nests.

To test this hypothesis and gather more data on the performance of the treatment system, CH2M HILL proposed restarting the groundwater wells on Monday, March 12 and operating six or seven wells at about 10 gpm each. Proposed sampling consisted of the following: an effluent sample will be collected on Monday and sent to the lab for quick turnaround PCP analysis. On Tuesday and Thursday, PCP samples will be collected before and after each unit process (i.e., bag filter, organoclay, carbon) to check on the performance of each unit process. These samples will also be sent to the lab for quick turnaround PCP analysis. Unless the system effluent PCP concentration rises significantly above 2.3 µg/L, the system will be left on and an effluent sample collected every other day.

It was also proposed to operate the free product pumps on Tuesday in Wells 6 and 10 and monitor their discharge for the amount of oil and water being pumped from each well to determine if the oil is pooling around the wells again.

On March 12, the operator tried to start the system; however, water was observed exiting through the roof vent, indicating the discharge pipe was obstructed. The discharge pipe and manhole were inspected to determine the location of the obstruction, and it was determined that ice had formed underneath the road where the snow cover had been removed. A subcontractor was retained to thaw the ice and the obstruction was removed on March 15. In order to gain access to the discharge pipe, a plumber had to install a couple of additional pipe fittings.

At the same time the discharge pipe was thawed, a manufacturer's representative visited the site to install a new effluent flowmeter. The old flowmeter was unable to operate in the 4-20 mA mode. The new flowmeter was installed and checked and appeared to be operating correctly.

The groundwater treatment system was restarted on Thursday, March 15. Six wells were started (2, 3, 4, 5, 6, and 7) and their flow rates set at 10 gpm each (60 gpm total). Samples were collected on Friday, March 16; Monday, March 19; Tuesday, March 20; Thursday, March 22; Friday, March 23; Monday, March 26; Tuesday, March 27; and Thursday, March 29. The PCP results are listed below.

Date Sampled	Sample ID	Sample Location	PCP Concentration (µg/L)
03/16/2001	01CB07-07	System Influent	158
03/16/2001	01CB07-08	Oil Bag Effluent	161
03/16/2001	01CB07-09	Particulate Bag Effluent	175
03/16/2001	01CB07-10	Clay Effluent	168
03/16/2001	01CB07-11	Carbon 1 Effluent	35.9*
03/16/2001	01CB07-12	System Effluent	23.2*
03/19/2001	01CB07-13	System Effluent	1.96
03/20/2001	01CB07-14	System Influent	141
03/20/2001	01CB07-15	Oil Bag Effluent	151
03/20/2001	01CB07-16	Particulate Bag Effluent	147
03/20/2001	01CB07-17	Clay Effluent	172
03/20/2001	01CB07-18	Carbon 1 Effluent	5.12
03/20/2001	01CB07-19	System Effluent	3.41
03/22/2001	01CB07-20	System Effluent	3.11
03/23/2001	01CB07-21	System Influent	Results Pending
03/23/2001	01CB07-22	System Effluent	Results Pending
03/23/2001	01CB07-23	Oil/Water Separator Effluent	Results Pending
03/26/2001	01CB07-24	Well No. 10	Results Pending
03/26/2001	01CB07-25	Well No. 6	Results Pending
03/26/2001	01CB07-26	System Influent	Results Pending
03/26/2001	01CB07-27	Oil Bag Effluent	Results Pending
03/26/2001	01CB07-28	Particulate Bag Effluent	Results Pending
03/26/2001	01CB07-29	Clay Effluent	Results Pending
03/26/2001	01CB07-30	Carbon 1 Effluent	Results Pending
03/26/2001	01CB07-31	System Effluent	Results Pending

Date Sampled	Sample ID	Sample Location	PCP Concentration (µg/L)
3/27/2001	01CB07-32	Well No. 10	Results Pending
3/27/2001	01CB07-33	System Influent	Results Pending
3/27/2001	01CB07-34	System Effluent	Results Pending
03/29/2001	01CB07-35	System Influent	Results Pending
03/29/2001	01CB07-36	System Effluent	Results Pending

* Result being confirmed

The effluent results appear to be leveling out around 3 µg/L. It is interesting to note that since the installation of the VFDs, the influent PCP concentration has dropped significantly and may indicate that LNAPL is no longer being drawn into the groundwater wells. In order to continue collecting data to be used to assess the operation of the groundwater treatment system and make recommendations on modifications or media exchanges, the treatment system will remain operational. On March 23 the flow rate for each well was increased from 10 gpm to 15 gpm.

The effect of the OWS water on the groundwater treatment system is a concern that was researched during this reporting period. The OWS water appears to contain a significant amount LNAPL in the emulsified or microdroplet phase. The water has been pumped to the groundwater manifold; however, this practice has been discontinued and the oil/water from the LNAPL wells has been pumped directly to the free product tank. CH2M HILL proposed to pump the water back into the ground via an existing well, but this option was determined to be not feasible due to state regulations prohibiting injection of hazardous wastes. The OWS is currently not operational pending further research into treating the OWS water.

The waste removal subcontract was completed and the first waste pickup is scheduled for April 3.

On March 1, comments were received from the WDNR on the November 2000 Sampling and Analysis Plan update. A conference call was held with the WAM, WDNR, and CH2M HILL on March 26. Work began to prepare a LTRA-specific Sampling and Analysis Plan, and to prepare a response to comments memorandum.

Summary of Project Status						
Task No./ Code	Planned Start	Actual Start	Planned Completion	Actual Completion	Percent Complete	Schedule Variance
1-PP	09/30/00	09/30/00	9/29/03		65	
3-DU	09/30/00	09/30/00	9/29/03		130	
4-PB	09/30/00	09/30/00	9/29/03		190	
7-CV	09/30/00	09/30/00	9/29/03		15	
8-AI	09/30/00	09/30/00	9/29/03		38	
9-PJ	09/30/00	09/30/00	9/29/03		38	
11-CO	08/01/03		9/29/03		0	

2. Problems Resolved

None.

3. Problem Areas and Recommended Solutions

CH2M HILL is proposing to conduct a treatability study on the groundwater to determine if there is an ionization issue with the PCP that may be affecting the ability of the carbon to adsorb the PCP. A treatability memorandum and costs will be prepared and submitted for review.

In addition to the treatability study on the groundwater, CH2M HILL will research options to treat the OWS water to eliminate the negative impact this stream has on the groundwater treatment system. Preliminary options identified include a different type of OWS or the installation of a dissolved air floatation unit. A memorandum and costs for this investigation will also be prepared.

It was decided to hold off on resubmitting the O&M manual and a WPRR until plant modifications are complete. At this time, it appears further modifications are necessary to meet the discharge criteria.

4. Deliverables Submitted

An e-mail was prepared and distributed on March 8 that summarized the system operation in February and the proposed restart of the groundwater treatment system.

A written proposal addressing the reinjection of the OWS water was submitted on March 28.

5. Activities Planned Next Reporting Period

It is anticipated that the treatability study for the groundwater treatment system will be submitted and the test initiated. The OWS study may also occur at the same time.

The waste currently onsite is scheduled to be sent offsite for disposal on April 3.

Groundwater sampling is scheduled for the week of April 23.

6. Key Personnel Changes

None.

7. Subcontractor Services

Earthworks:	WRS Infrastructure & Environmental Inc.
Drilling:	Davidson Environmental
Bioventing/Groundwater Treatment:	Dakota Intertek Corp.
OWS Bypass:	Carbonair

8. Travel

None.

9. Laboratories

PEL Laboratory analyzed water samples.

10. Project Performance

CH2M HILL has proposed solutions to confirm there is no unexpected ionization problem with the dissolved PCP and to address the OWS water.

REPORT 1

Work Assignment -- Task Level Specific Detail Report -- Variance Based on Remaining Resources

Work Assignment Number: 101-RALR-05WE	Work Area Code: RA	WA Period of Performance Start: 9/30/00
Work Assignment Title: PENTA WOOD PRODUCTS, WI	Action Code: LR	WA Period of Performance End: 9/29/03
Contractor Name: CH2M HILL INC	WA Form: TERM	Reporting Period From: 2/24/01
Contract Number: 68-W6-0025	Type Funding: SITE	Reporting Period To: 3/30/01
SSID: 05WE	Work Assignment Status: ON-GOING	Invoice Date: 4/19/01
State: WI	Remediation Category:	Invoice Number: 067
Region: 5	Operable Unit: 01	Purpose: Monthly Progress

Task Number: 1		Task Title: PROJECT PLANNING AND SUPPORT						Task Category Code: PP			
PRIME CONTRACTOR		Current		Cumulative		Approved Budget		Variance			
Cost Elements:	SU	LOE/Hours	Dollars	LOE/Hours	Dollars	LOE/Hours	Dollars	LOE/Hours	% LOE/Hours	Dollars	% Dollars
Direct Labor											
P-4 JOHNSON, ISAAC H		4.00		28.00							
P-4 Subtotal		4.00	174.12	28.00	1,183.21	36.00	1,769.00	8.00	22.22	585.79	33.11
P-3 BAYER, REGINA C		1.00		101.00							
KLUGE, MATTHEW D		1.00		22.00							
P-3 Subtotal		2.00	66.60	123.00	4,169.57	226.00	8,273.28	103.00	45.58	4,103.71	49.60
P-2 ANDRAE, WILLIAM M		3.00		4.00							
JOHNSON, JONATHAN W				0.20							
LAURITCH, MELISSA J				134.00							
P-2 Subtotal		3.00	79.62	138.20	3,168.58	26.00	669.57	-112.20	-431.54	-2,499.01	-373.23
P-1 SHRAKE, ALEXANDRA M B				0.70							
STOLL, SANDRA L				2.00							
P-1 Subtotal				2.70	51.21	36.00	827.78	33.30	92.50	776.57	93.81
T-2 PETERSHACK, MARK D				2.00							
T-2 Subtotal				2.00	43.96			-2.00		-43.96	
T-1 WILSON, CHERYL L				6.60							
T-1 Subtotal				6.60	115.53	94.90	1,595.73	88.30	93.05	1,480.20	92.76
TOTAL, PROFESSIONAL		9.00	320.34	300.50	8,732.06	418.90	13,135.36	118.40	28.26	4,403.30	33.52
Clerical											
CHEN, WIN				1.50							
GAUGER, ELAINE A				0.10							
HUGHES, BOBBIE N				0.20							
KLOSE, KARI				1.00							
NAVARRO, DONNA M		17.80		109.90							
REMOND, CHERYL A		0.40		0.90							
TOTAL, CLERICAL		18.20	275.65	113.60	1,639.77	111.90	1,943.62	-1.70	-1.52	303.85	15.63
TOTAL, DIRECT LABOR		27.20	595.99	414.10	10,371.83	530.80	15,078.98	116.70	21.99	4,707.15	31.22

REPORT 1

Work Assignment -- Task Level Specific Detail Report -- Variance Based on Remaining Resources

Work Assignment Number: 101-RALR-05WE	Work Area Code: RA	WA Period of Performance Start: 9/30/00
Work Assignment Title: PENTA WOOD PRODUCTS, WI	Action Code: LR	WA Period of Performance End: 9/29/03
Contractor Name: CH2M HILL INC	WA Form: TERM	Reporting Period From: 2/24/01
Contract Number: 68-W6-0025	Type Funding: SITE	Reporting Period To: 3/30/01
SSID: 05WE	Work Assignment Status: ON-GOING	Invoice Date: 4/19/01
State: WI	Remediation Category:	Invoice Number: 067
Region: 5	Operable Unit: 01	Purpose: Monthly Progress

Task Number: 1 **Task Title:** PROJECT PLANNING AND SUPPORT **Task Category Code:** PP

PRIME CONTRACTOR	Current		Cumulative		Approved Budget		Variance			
	Cost Elements:	SU	LOE/Hours	Dollars	LOE/Hours	Dollars	LOE/Hours	% LOE/Hours	Dollars	% Dollars

DIRECT COSTS

ODCs										
Reproduction					20.34		300.01			
Phone/Fax			35.36		538.98		690.15			
Supplies							39.98			
Mail/Courier/Freight					84.07		400.05			
Health & Safety			7.00		183.75		670.14			
Other					15.87					
Subtotal, ODCs			42.36		843.01		2,100.33		1,257.32	59.86
Computer			119.68		1,855.19		2,389.59		534.40	22.36
TOTAL, DIRECT COSTS			162.04		2,698.20		4,489.92		1,791.72	39.91
TOTAL, PRIME DIRECTS			27.20		758.03	414.10	13,070.03	530.80	19,568.90	
(LOE/HRS/COST)										

INDIRECT COSTS

Fringe (31.400% Direct Labor)			187.16		3,371.26					
Overhead (51.300% Direct Labor)			305.73		5,611.15		13,269.30			
G&A (66.700% Direct Labor)			397.52		6,643.03		9,514.80			
TOTAL, PRIME INDIRECT COSTS			890.41		15,625.44		22,784.10			

FEES

2.88 x Prime LOE Hours, plus 4.00% of Equipment			25.92		865.44		1,694.13			
SUBTOTAL BASE FEES			25.92		865.44		1,694.13			
TOTAL TASK, PRIME COSTS			1,674.36		29,560.91		44,047.13			
(DIRECTS + INDIRECTS + BASE FEES)										

REPORT 1

Work Assignment -- Task Level Specific Detail Report -- Variance Based on Remaining Resources

Work Assignment Number:	101-RALR-05WE	Work Area Code:	RA	WA Period of Performance Start:	9/30/00
Work Assignment Title:	PENTA WOOD PRODUCTS, WI	Action Code:	LR	WA Period of Performance End:	9/29/03
Contractor Name:	CH2M HILL, INC.	WA Form:	TERM	Reporting Period From:	2/24/01
Contract Number:	68-W6-0025	Type Funding:	SITE	Reporting Period To:	3/30/01
SSID:	05WE	Work Assignment Status:	ON-GOING	Invoice Date:	4/19/01
State:	WI	Remediation Category:		Invoice Number:	067
Region:	5	Operable Unit:	01	Purpose:	Monthly Progress

Task Number: 1 Task Title: PROJECT PLANNING AND SUPPORT Task Category Code: PP

TOTALS FOR TASK 1 (PRIME + TEAM SUBCONTRACTORS)

Cost Elements:	Current		Cumulative		Approved Budget		Variance			
	LOE/Hours	Dollars	LOE/Hours	Dollars	LOE/Hours	Dollars	LOE/Hours	% LOE/Hours	Dollars	% Dollars
TOTAL, DIRECT LABOR (Professional)	9.00	320.34	300.50	8,732.06	418.90	13,135.36	118.40	28.26	4,403.30	33.52
TOTAL, DIRECT LABOR (Clerical)	18.20	275.65	113.60	1,639.77	111.90	1,943.62	-1.70	-1.52	303.85	15.63
TOTAL, DIRECT COSTS										
Other Direct Costs		42.36		843.01		2,100.33			1,257.32	59.86
Travel										
Computer		119.68		1,855.19		2,389.59			534.40	22.36
Equipment										
Subpool										
PLI (Pollution Liability Insurance) Premium										
TOTAL, INDIRECT COSTS (Fringe, O/H, G&A)		890.41		15,625.44		22,784.10			7,158.66	31.42
TOTAL, TEAM SUB FEES (as negotiated)										
TOTAL, BASE FEES (Prime)		25.92		865.44		1,694.13			828.69	48.92
TOTAL, TASK 1 COSTS	27.20	1,674.36	414.10	29,560.91	530.80	44,047.13			14,486.22	32.89

REPORT 1

Work Assignment -- Task Level Specific Detail Report -- Variance Based on Remaining Resources

Work Assignment Number: 101-RALR-05WE
 Work Assignment Title: PENTA WOOD PRODUCTS, WI
 Contractor Name: CH2M HILL INC
 Contract Number: 68-W6-0025
 SSID: 05WE
 State: WI
 Region: 5

Work Area Code: RA
 Action Code: LR
 WA Form: TERM
 Type Funding: SITE
 Work Assignment Status: ON-GOING
 Remediation Category:
 Operable Unit: 01

WA Period of Performance Start: 9/30/00
 WA Period of Performance End: 9/29/03
 Reporting Period From: 2/24/01
 Reporting Period To: 3/30/01
 Invoice Date: 4/19/01
 Invoice Number: 067
 Purpose: Monthly Progress

Task Number: 3 Task Title: DEVELOP/UPDATE OF SS PLANS Task Category Code: DU

PRIME CONTRACTOR		Current		Cumulative		Approved Budget		Variance			
Cost Elements:	SU	LOE/Hours	Dollars	LOE/Hours	Dollars	LOE/Hours	Dollars	LOE/Hours	% LOE/Hours	Dollars	% Dollars
Direct Labor											
P-4 Subtotal						3.00	147.41	3.00	100.00	147.41	100.00
P-3 BAYER, REGINA C		15.00		36.00							
GOLDMAN, MICHAEL				5.00							
P-3 Subtotal		15.00	550.65	41.00	1,436.33	17.20	622.35	-23.80	-138.37	-813.98	-130.79
P-2 Subtotal						9.00	231.82	9.00	100.00	231.82	100.00
P-1 ARPS, PAUL		10.00		10.00							
SHRAKE, ALEXANDRA M B				16.50							
P-1 Subtotal		10.00	182.60	26.50	452.48	37.90	873.84	11.40	30.08	421.36	48.22
T-2 PETERSHACK, MARK D				0.50							
SHEKOSKI, DAVID L		6.50		49.60							
T-2 Subtotal		6.50	166.14	50.10	1,245.15	2.00	46.59	-48.10	-2,405.00	-1,198.56	-2,572.57
T-1 LOGA, TAMMY L				0.60							
WILSON, CHERYL L				0.70							
T-1 Subtotal				1.30	22.53			-1.30		-22.53	
TOTAL, PROFESSIONAL		31.50	899.39	118.90	3,156.49	69.10	1,922.01	-49.80	-72.07	-1,234.48	-64.23
Clerical BONG, LYNN M				0.10							
TOTAL, CLERICAL				0.10	1.62	6.00	104.13	5.90	98.33	102.51	98.44
TOTAL, DIRECT LABOR		31.50	899.39	119.00	3,158.11	75.10	2,026.14	-43.90	-58.46	-1,131.97	-55.87
DIRECT COSTS											
ODCs											
Reproduction						197.60	270.02				
Phone/Fax			40.95			160.55	97.24				
Mail/Courier/Freight						574.37	169.98				
Health & Safety			55.14			176.09	115.37				
Other						154.89					

REPORT 1

Work Assignment -- Task Level Specific Detail Report -- Variance Based on Remaining Resources

Work Assignment Number:	101-RALR-05WE	Work Area Code:	RA	WA Period of Performance Start:	9/30/00
Work Assignment Title:	PENTA WOOD PRODUCTS, WI	Action Code:	LR	WA Period of Performance End:	9/29/03
Contractor Name:	CH2M HILL INC	WA Form:	TERM	Reporting Period From:	2/24/01
Contract Number:	68-W6-0025	Type Funding:	SITE	Reporting Period To:	3/30/01
SSID:	05WE	Work Assignment Status:	ON-GOING	Invoice Date:	4/19/01
State:	WI	Remediation Category:		Invoice Number:	067
Region:	5	Operable Unit:	01	Purpose:	Monthly Progress

<i>Task Number:</i> 3		<i>Task Title:</i> DEVELOP/UPDATE OF SS PLANS						<i>Task Category Code:</i> DU			
PRIME CONTRACTOR		Current		Cumulative		Approved Budget		Variance			
Cost Elements:	SU	LOE/Hours	Dollars	LOE/Hours	Dollars	LOE/Hours	Dollars	LOE/Hours	% LOE/Hours	Dollars	% Dollars
Subtotal, ODCs			96.09		1,263.50		652.61			-610.89	-93.61
Computer			138.60		552.33		337.57			-214.76	-63.62
TOTAL, DIRECT COSTS			234.69		1,815.83		990.18			-825.65	-83.38
TOTAL, PRIME DIRECTS		31.50	1,134.08	119.00	4,973.94	75.10	3,016.32				
(LOE/HRS/COST)											
INDIRECT COSTS											
Fringe (31.400% Direct Labor)			282.40		1,024.81						
Overhead (51.300% Direct Labor)			461.40		1,704.16		1,782.89				
G&A (66.700% Direct Labor)			599.89		2,026.85		1,278.39				
TOTAL, PRIME INDIRECT COSTS			1,343.69		4,755.82		3,061.28				
FEEES											
2.88 x Prime LOE Hours, plus 4.00% of Equipment			90.72		342.44		243.15				
SUBTOTAL BASE FEES			90.72		342.44		243.15				
TOTAL TASK, PRIME COSTS			2,568.49		10,072.20		6,320.75				
(DIRECTS + INDIRECTS + BASE FEES)											

REPORT 1

Work Assignment -- Task Level Specific Detail Report -- Variance Based on Remaining Resources

Work Assignment Number:	101-RALR-05WE	Work Area Code:	RA	WA Period of Performance Start:	9/30/00
Work Assignment Title:	PENTA WOOD PRODUCTS, WI	Action Code:	LR	WA Period of Performance End:	9/29/03
Contractor Name:	CH2M HILL, INC.	WA Form:	TERM	Reporting Period From:	2/24/01
Contract Number:	68-W6-0025	Type Funding:	SITE	Reporting Period To:	3/30/01
SSID:	05WE	Work Assignment Status:	ON-GOING	Invoice Date:	4/19/01
State:	WI	Remediation Category:		Invoice Number:	067
Region:	5	Operable Unit:	01	Purpose:	Monthly Progress

Task Number: 3 Task Title: DEVELOP/UPDATE OF SS PLANS Task Category Code: DU

TOTALS FOR TASK 3 (PRIME + TEAM SUBCONTRACTORS)

Cost Elements:	Current		Cumulative		Approved Budget		Variance			
	LOE/Hours	Dollars	LOE/Hours	Dollars	LOE/Hours	Dollars	LOE/Hours	% LOE/Hours	Dollars	% Dollars
TOTAL, DIRECT LABOR (Professional)	31.50	899.39	118.90	3,156.49	69.10	1,922.01	-49.80	-72.07	-1,234.48	-64.23
TOTAL, DIRECT LABOR (Clerical)			0.10	1.62	6.00	104.13	5.90	98.33	102.51	98.44
TOTAL, DIRECT COSTS										
Other Direct Costs		96.09		1,263.50		652.61			-610.89	-93.61
Travel										
Computer		138.60		552.33		337.57			-214.76	-63.62
Equipment										
Subpool										
PLI (Pollution Liability Insurance) Premium										
TOTAL, INDIRECT COSTS (Fringe, O/H, G&A)		1,343.69		4,755.82		3,061.28			-1,694.54	-55.35
TOTAL, TEAM SUB FEES (as negotiated)										
TOTAL, BASE FEES (Prime)		90.72		342.44		243.15			-99.29	-40.83
TOTAL, TASK 3 COSTS	31.50	2,568.49	119.00	10,072.20	75.10	6,320.75			-3,751.45	-59.35

REPORT 1

Work Assignment -- Task Level Specific Detail Report -- Variance Based on Remaining Resources

Work Assignment Number: 101-RALR-05WE	Work Area Code: RA	WA Period of Performance Start: 9/30/00
Work Assignment Title: PENTA WOOD PRODUCTS, WI	Action Code: LR	WA Period of Performance End: 9/29/03
Contractor Name: CH2M HILL INC	WA Form: TERM	Reporting Period From: 2/24/01
Contract Number: 68-W6-0025	Type Funding: SITE	Reporting Period To: 3/30/01
SSID: 05WE	Work Assignment Status: ON-GOING	Invoice Date: 4/19/01
State: WI	Remediation Category:	Invoice Number: 067
Region: 5	Operable Unit: 01	Purpose: Monthly Progress

Task Number: 4		Task Title: PROCUREMENT OF SUBCONTRACT						Task Category Code: PB			
PRIME CONTRACTOR		Current		Cumulative		Approved Budget		Variance			
Cost Elements:	SU	LOE/Hours	Dollars	LOE/Hours	Dollars	LOE/Hours	Dollars	LOE/Hours	% LOE/Hours	Dollars	% Dollars
Direct Labor											
P-3	BAYER, REGINA C	4.00		71.00							
P-3	Subtotal	4.00	146.84	71.00	2,589.96	17.00	622.30	-54.00	-317.65	-1,967.66	-316.19
P-2	LAURITCH, MELISSA J	25.00		148.00							
P-2	Subtotal	25.00	597.25	148.00	3,561.02	13.00	334.76	-135.00	-1,038.46	-3,226.26	-963.75
P-1	Subtotal					60.00	1,379.57	60.00	100.00	1,379.57	100.00
T-2	PETERSHACK, MARK D			4.00							
T-2	Subtotal			4.00	92.68			-4.00		-92.68	
TOTAL, PROFESSIONAL		29.00	744.09	223.00	6,243.66	90.00	2,336.63	-133.00	-147.78	-3,907.03	-167.21
TOTAL, CLERICAL						18.00	312.43	18.00	100.00	312.43	100.00
TOTAL, DIRECT LABOR		29.00	744.09	223.00	6,243.66	108.00	2,649.06	-115.00	-106.48	-3,594.60	-135.69
DIRECT COSTS											
ODCs											
	Reproduction				12.42		300.01				
	Phone/Fax		37.96		290.16		140.29				
	Mail/Courier/Freight		22.62		58.03		300.01				
	Health & Safety		7.00		124.25		157.40				
	Other		6.65		6.65						
	Subtotal, ODCs		74.23		491.51		897.71			406.20	45.25
	Computer		128.48		983.48		486.00			-497.48	-102.36
TOTAL, DIRECT COSTS			202.71		1,474.99		1,383.71			-91.28	-6.60
TOTAL, PRIME DIRECTS		29.00	946.80	223.00	7,718.65	108.00	4,032.77				
(LOE/HRS/COST)											

INDIRECT COSTS
 Fringe (31.400% Direct Labor) 233.64 1,967.84

REPORT 1

Work Assignment -- Task Level Specific Detail Report -- Variance Based on Remaining Resources

Work Assignment Number: 101-RALR-05WE	Work Area Code: RA	WA Period of Performance Start: 9/30/00
Work Assignment Title: PENTA WOOD PRODUCTS, WI	Action Code: LR	WA Period of Performance End: 9/29/03
Contractor Name: CH2M HILL INC	WA Form: TERM	Reporting Period From: 2/24/01
Contract Number: 68-W6-0025	Type Funding: SITE	Reporting Period To: 3/30/01
SSID: 05WE	Work Assignment Status: ON-GOING	Invoice Date: 4/19/01
State: WI	Remediation Category:	Invoice Number: 067
Region: 5	Operable Unit: 01	Purpose: Monthly Progress

<i>Task Number: 4</i>		<i>Task Title: PROCUREMENT OF SUBCONTRACT</i>				<i>Task Category Code: PB</i>					
PRIME CONTRACTOR		Current		Cumulative		Approved Budget		Variance			
Cost Elements:	SU	LOE/Hours	Dollars	LOE/Hours	Dollars	LOE/Hours	Dollars	LOE/Hours	% LOE/Hours	Dollars	% Dollars
Overhead (51.300% Direct Labor)			381.72		3,221.50		2,331.32				
G&A (66.700% Direct Labor)			496.30		4,147.02		1,671.54				
TOTAL, PRIME INDIRECT COSTS			1,111.66		9,336.36		4,002.86				
FEES											
2.88 x Prime LOE Hours, plus 4.00% of Equipment			83.52		642.24		321.40				
SUBTOTAL BASE FEES			83.52		642.24		321.40				
TOTAL TASK, PRIME COSTS			2,141.98		17,697.25		8,357.03				
(DIRECTS + INDIRECTS + BASE FEES)											

REPORT 1

Work Assignment -- Task Level Specific Detail Report -- Variance Based on Remaining Resources

Work Assignment Number: 101-RALR-05WE	Work Area Code: RA	WA Period of Performance Start: 9/30/00
Work Assignment Title: PENTA WOOD PRODUCTS, WI	Action Code: LR	WA Period of Performance End: 9/29/03
Contractor Name: CH2M HILL, INC.	WA Form: TERM	Reporting Period From: 2/24/01
Contract Number: 68-W6-0025	Type Funding: SITE	Reporting Period To: 3/30/01
SSID: 05WE	Work Assignment Status: ON-GOING	Invoice Date: 4/19/01
State: WI	Remediation Category:	Invoice Number: 067
Region: 5	Operable Unit: 01	Purpose: Monthly Progress

Task Number: 4 **Task Title:** PROCUREMENT OF SUBCONTRACT **Task Category Code:** PB

TOTALS FOR TASK 4 (PRIME + TEAM SUBCONTRACTORS)

Cost Elements:	Current		Cumulative		Approved Budget		Variance			
	LOE/Hours	Dollars	LOE/Hours	Dollars	LOE/Hours	Dollars	LOE/Hours	% LOE/Hours	Dollars	% Dollars
TOTAL, DIRECT LABOR (Professional)	29.00	744.09	223.00	6,243.66	90.00	2,336.63	-133.00	-147.78	-3,907.03	-167.21
TOTAL, DIRECT LABOR (Clerical)					18.00	312.43	18.00	100.00	312.43	100.00
TOTAL, DIRECT COSTS										
Other Direct Costs		74.23		491.51		897.71			406.20	45.25
Travel										
Computer		128.48		983.48		486.00			-497.48	-102.36
Equipment										
Subpool										
PLI (Pollution Liability Insurance) Premium										
TOTAL, INDIRECT COSTS (Fringe, O/H, G&A)		1,111.66		9,336.36		4,002.86			-5,333.50	-133.24
TOTAL, TEAM SUB FEES (as negotiated)										
TOTAL, BASE FEES (Prime)		83.52		642.24		321.40			-320.84	-99.83
TOTAL, TASK 4 COSTS	29.00	2,141.98	223.00	17,697.25	108.00	8,357.03			-9,340.22	-111.76

REPORT 1

Work Assignment -- Task Level Specific Detail Report -- Variance Based on Remaining Resources

Work Assignment Number: 101-RALR-05WE	Work Area Code: RA	WA Period of Performance Start: 9/30/00
Work Assignment Title: PENTA WOOD PRODUCTS, WI	Action Code: LR	WA Period of Performance End: 9/29/03
Contractor Name: CH2M HILL INC	WA Form: TERM	Reporting Period From: 2/24/01
Contract Number: 68-W6-0025	Type Funding: SITE	Reporting Period To: 3/30/01
SSID: 05WE	Work Assignment Status: ON-GOING	Invoice Date: 4/19/01
State: WI	Remediation Category:	Invoice Number: 067
Region: 5	Operable Unit: 01	Purpose: Monthly Progress

Task Number: 7		Task Title: CLEANUP VALIDATION						Task Category Code: CV			
PRIME CONTRACTOR		Current		Cumulative		Approved Budget		Variance			
Cost Elements:	SU	LOE/Hours	Dollars	LOE/Hours	Dollars	LOE/Hours	Dollars	LOE/Hours	% LOE/Hours	Dollars	% Dollars
Direct Labor											
P-4	SMITH, PHILIP R	6.00		33.00							
P-4	Subtotal	6.00	235.92	33.00	1,255.15	22.00	1,081.06	-11.00	-50.00	-174.09	-16.10
P-3	BAYER, REGINA C	8.00		131.00							
P-3	Subtotal	8.00	293.68	131.00	4,565.47	476.00	17,425.20	345.00	72.48	12,859.73	73.80
P-2	ANDRAE, WILLIAM M			15.00							
	GARBER, KAROLINE M			5.00							
P-2	Subtotal			20.00	489.00	364.00	9,373.87	344.00	94.51	8,884.87	94.78
P-1	ARPS, PAUL	16.00		138.00							
	GARBER, KAROLINE M			9.00							
P-1	Subtotal	16.00	292.16	147.00	2,622.14	453.80	10,439.15	306.80	67.61	7,817.01	74.88
T-2	PETERSHACK, MARK D			1.50							
	SHEKOSKI, DAVID L	5.60		120.30							
T-2	Subtotal	5.60	143.14	121.80	3,026.32	464.10	10,811.93	342.30	73.76	7,785.61	72.01
T-1	STREHLOW, ROBERT W	1.00		20.50							
T-1	Subtotal	1.00	19.66	20.50	393.79	1,122.00	18,846.20	1,101.50	98.17	18,452.41	97.91
TOTAL, PROFESSIONAL		36.60	984.56	473.30	12,351.87	2,901.90	67,977.41	2,428.60	83.69	55,625.54	81.83
Clerical	HUGHES, BOBBIE N			0.20							
TOTAL, CLERICAL				0.20	2.80	20.00	347.06	19.80	99.00	344.26	99.19
TOTAL, DIRECT LABOR		36.60	984.56	473.50	12,354.67	2,921.90	68,324.47	2,448.40	83.79	55,969.80	81.92
DIRECT COSTS											
ODCs											
	Reproduction						100.04				
	Phone/Fax		47.58		615.55		3,798.48				
	Consumables		6.05		342.33		399.96				
	Mail/Courier/Freight				868.79		799.99				
	Health & Safety		53.56		768.00		5,040.13				

REPORT 1

Work Assignment -- Task Level Specific Detail Report -- Variance Based on Remaining Resources

Work Assignment Number: 101-RALR-05WE	Work Area Code: RA	WA Period of Performance Start: 9/30/00
Work Assignment Title: PENTA WOOD PRODUCTS, WI	Action Code: LR	WA Period of Performance End: 9/29/03
Contractor Name: CH2M HILL INC	WA Form: TERM	Reporting Period From: 2/24/01
Contract Number: 68-W6-0025	Type Funding: SITE	Reporting Period To: 3/30/01
SSID: 05WE	Work Assignment Status: ON-GOING	Invoice Date: 4/19/01
State: WI	Remediation Category:	Invoice Number: 067
Region: 5	Operable Unit: 01	Purpose: Monthly Progress

Task Number: 7		Task Title: CLEANUP VALIDATION						Task Category Code: CV			
PRIME CONTRACTOR		Current		Cumulative		Approved Budget		Variance			
Cost Elements:	SU	LOE/Hours	Dollars	LOE/Hours	Dollars	LOE/Hours	Dollars	LOE/Hours	% LOE/Hours	Dollars	% Dollars
Other							600.02				
Subtotal, ODCs			107.19		2,594.67		10,738.62			8,143.95	75.84
Computer			161.04		2,120.53		13,149.05			11,028.52	83.87
Travel					2,523.59		9,599.99			7,076.40	73.71
Equipment			125.00		4,969.74		1,000.07			-3,969.67	-396.94
Subpool			1,755.00		19,032.50		-208,875.05			189,842.55	90.89
TOTAL, DIRECT COSTS			2,148.23		31,241.03		243,362.78			212,121.75	87.16
TOTAL, PRIME DIRECTS		36.60	3,132.79	473.50	43,595.70	2,921.90	311,687.25				
(LOE/HRS/COST)											
INDIRECT COSTS											
Fringe (31.400% Direct Labor)			309.15		4,030.30						
Overhead (51.300% Direct Labor)			505.07		6,720.19		60,125.57				
G&A (66.700% Direct Labor)			656.70		7,878.39		43,112.68				
TOTAL, PRIME INDIRECT COSTS			1,470.92		18,628.88		103,238.25				
FEEES											
2.88 x Prime LOE Hours, plus 4.00% of Equipment			110.41		1,561.85		16,556.93				
2.00% of Subpool			35.10		380.65		20.01				
SUBTOTAL BASE FEES			145.51		1,942.50		16,576.94				
TOTAL TASK, PRIME COSTS			4,749.22		64,167.08		431,502.44				
(DIRECTS + INDIRECTS + BASE FEES)											

REPORT 1

Work Assignment -- Task Level Specific Detail Report -- Variance Based on Remaining Resources

Work Assignment Number: 101-RALR-05WE	Work Area Code: RA	WA Period of Performance Start: 9/30/00
Work Assignment Title: PENTA WOOD PRODUCTS, WI	Action Code: LR	WA Period of Performance End: 9/29/03
Contractor Name: CH2M HILL, INC.	WA Form: TERM	Reporting Period From: 2/24/01
Contract Number: 68-W6-0025	Type Funding: SITE	Reporting Period To: 3/30/01
SSID: 05WE	Work Assignment Status: ON-GOING	Invoice Date: 4/19/01
State: WI	Remediation Category:	Invoice Number: 067
Region: 5	Operable Unit: 01	Purpose: Monthly Progress

Task Number: 7 **Task Title:** CLEANUP VALIDATION **Task Category Code:** CV

TOTALS FOR TASK 7 (PRIME + TEAM SUBCONTRACTORS)

Cost Elements:	Current		Cumulative		Approved Budget		Variance			
	LOE/Hours	Dollars	LOE/Hours	Dollars	LOE/Hours	Dollars	LOE/Hours	% LOE/Hours	Dollars	% Dollars
TOTAL, DIRECT LABOR (Professional)	36.60	984.56	473.30	12,351.87	2,901.90	67,977.41	2,428.60	83.69	55,625.54	81.83
TOTAL, DIRECT LABOR (Clerical)			0.20	2.80	20.00	347.06	19.80	99.00	344.26	99.19
TOTAL, DIRECT COSTS										
Other Direct Costs		107.19		2,594.67		10,738.62			8,143.95	75.84
Travel				2,523.59		9,599.99			7,076.40	73.71
Computer		161.04		2,120.53		13,149.05			11,028.52	83.87
Equipment		125.00		4,969.74		1,000.07			-3,969.67	-396.94
Subpool		1,755.00		19,032.50		208,875.05			189,842.55	90.89
PLI (Pollution Liability Insurance) Premium										
TOTAL, INDIRECT COSTS (Fringe, O/H, G&A)		1,470.92		18,628.88		103,238.25			84,609.37	81.96
TOTAL, TEAM SUB FEES (as negotiated)										
TOTAL, BASE FEES (Prime)		145.51		1,942.50		16,576.94			14,634.44	88.28
TOTAL, TASK 7 COSTS	36.60	4,749.22	473.50	64,167.08	2,921.90	431,502.44			367,335.36	85.13

REPORT 1

Work Assignment -- Task Level Specific Detail Report -- Variance Based on Remaining Resources

Work Assignment Number:	101-RALR-05WE	Work Area Code:	RA	WA Period of Performance Start:	9/30/00
Work Assignment Title:	PENTA WOOD PRODUCTS, WI	Action Code:	LR	WA Period of Performance End:	9/29/03
Contractor Name:	CH2M HILL INC	WA Form:	TERM	Reporting Period From:	2/24/01
Contract Number:	68-W6-0025	Type Funding:	SITE	Reporting Period To:	3/30/01
SSID:	05WE	Work Assignment Status:	ON-GOING	Invoice Date:	4/19/01
State:	WI	Remediation Category:		Invoice Number:	067
Region:	5	Operable Unit:	01	Purpose:	Monthly Progress

Task Number: 8		Task Title: REMEDIAL ACTION IMPLEMENTATION						Task Category Code: AI			
PRIME CONTRACTOR		Current		Cumulative		Approved Budget		Variance			
Cost Elements:	SU	LOE/Hours	Dollars	LOE/Hours	Dollars	LOE/Hours	Dollars	LOE/Hours	% LOE/Hours	Dollars	% Dollars

Direct Labor

T-1	STREHLOW, ROBERT W			1.00							
T-1	Subtotal			1.00	19.00			-1.00		-19.00	
TOTAL, PROFESSIONAL				1.00	19.00			-1.00		-19.00	
Clerical	HILDEBRAND, JUANITA M			0.30							
TOTAL, CLERICAL				0.30	5.82			-0.30		-5.82	
TOTAL, DIRECT LABOR				1.30	24.82			-1.30		-24.82	

DIRECT COSTS

ODCs

Phone/Fax					1.69						
Consumables											
Mail/Courier/Freight					36.88						
Health & Safety					1.76						
Other					639.30						
Subtotal, ODCs					679.63					-679.63	
Computer					5.85					-5.85	
Subpool		43,622.99			290,049.06		653,634.46			363,585.40	55.63
TOTAL, DIRECT COSTS					43,622.99		290,734.54			653,634.46	362,899.92
TOTAL, PRIME DIRECTS					43,622.99	1.30	290,759.36			653,634.46	
(LOE/HRS/COST)											

INDIRECT COSTS

Fringe (31.400% Direct Labor)					8.17						
Overhead (51.300% Direct Labor)					13.67						
G&A (66.700% Direct Labor)					15.65						
TOTAL, PRIME INDIRECT COSTS					37.49						

FEES

REPORT 1

Work Assignment -- Task Level Specific Detail Report -- Variance Based on Remaining Resources

Work Assignment Number:	101-RALR-05WE	Work Area Code:	RA	WA Period of Performance Start:	9/30/00
Work Assignment Title:	PENTA WOOD PRODUCTS, WI	Action Code:	LR	WA Period of Performance End:	9/29/03
Contractor Name:	CH2M HILL INC	WA Form:	TERM	Reporting Period From:	2/24/01
Contract Number:	68-W6-0025	Type Funding:	SITE	Reporting Period To:	3/30/01
SSID:	05WE	Work Assignment Status:	ON-GOING	Invoice Date:	4/19/01
State:	WI	Remediation Category:		Invoice Number:	067
Region:	5	Operable Unit:	01	Purpose:	Monthly Progress

Task Number: 8		Task Title: REMEDIAL ACTION IMPLEMENTATION						Task Category Code: AI			
PRIME CONTRACTOR		Current		Cumulative		Approved Budget		Variance			
Cost Elements:	SU	LOE/Hours	Dollars	LOE/Hours	Dollars	LOE/Hours	Dollars	LOE/Hours	% LOE/Hours	Dollars	% Dollars
2.88 x Prime LOE Hours, plus 4.00% of Equipment				2.88							
2.00% of Subpool			872.46		5,800.98		13,242.62				
SUBTOTAL BASE FEES			872.46		5,803.86		13,242.62				
TOTAL TASK, PRIME COSTS			44,495.45		296,600.71		666,877.08				
(DIRECTS + INDIRECTS + BASE FEES)											

REPORT 1

Work Assignment -- Task Level Specific Detail Report -- Variance Based on Remaining Resources

Work Assignment Number:	101-RALR-05WE	Work Area Code:	RA	WA Period of Performance Start:	9/30/00
Work Assignment Title:	PENTA WOOD PRODUCTS, WI	Action Code:	LR	WA Period of Performance End:	9/29/03
Contractor Name:	CH2M HILL, INC.	WA Form:	TERM	Reporting Period From:	2/24/01
Contract Number:	68-W6-0025	Type Funding:	SITE	Reporting Period To:	3/30/01
SSID:	05WE	Work Assignment Status:	ON-GOING	Invoice Date:	4/19/01
State:	WI	Remediation Category:		Invoice Number:	067
Region:	5	Operable Unit:	01	Purpose:	Monthly Progress

Task Number: 8 Task Title: REMEDIAL ACTION IMPLEMENTATION Task Category Code: AI

TOTALS FOR TASK 8 (PRIME + TEAM SUBCONTRACTORS)

Cost Elements:	Current		Cumulative		Approved Budget		Variance			
	LOE/Hours	Dollars	LOE/Hours	Dollars	LOE/Hours	Dollars	LOE/Hours	% LOE/Hours	Dollars	% Dollars
TOTAL, DIRECT LABOR (Professional)			1.00	19.00			-1.00		-19.00	
TOTAL, DIRECT LABOR (Clerical)			0.30	5.82			-0.30		-5.82	
TOTAL, DIRECT COSTS										
Other Direct Costs				679.63					-679.63	
Travel										
Computer				5.85					-5.85	
Equipment										
Subpool		43,622.99		290,049.06		653,634.46			363,585.40	55.63
PLI (Pollution Liability Insurance) Premium										
TOTAL, INDIRECT COSTS (Fringe, O/H, G&A)				37.49					-37.49	
TOTAL, TEAM SUB FEES (as negotiated)										
TOTAL, BASE FEES (Prime)		872.46		5,803.86		13,242.62			7,438.76	56.17
TOTAL, TASK 8 COSTS		44,495.45	1.30	296,600.71		666,877.08			370,276.37	55.52

REPORT 1

Work Assignment -- Task Level Specific Detail Report -- Variance Based on Remaining Resources

Work Assignment Number:	101-RALR-05WE	Work Area Code:	RA	WA Period of Performance Start:	9/30/00
Work Assignment Title:	PENTA WOOD PRODUCTS, WI	Action Code:	LR	WA Period of Performance End:	9/29/03
Contractor Name:	CH2M HILL INC	WA Form:	TERM	Reporting Period From:	2/24/01
Contract Number:	68-W6-0025	Type Funding:	SITE	Reporting Period To:	3/30/01
SSID:	05WE	Work Assignment Status:	ON-GOING	Invoice Date:	4/19/01
State:	WI	Remediation Category:		Invoice Number:	067
Region:	5	Operable Unit:	01	Purpose:	Monthly Progress

Task Number: 9		Task Title: PROJECT PERFORMANCE						Task Category Code: P1			
PRIME CONTRACTOR		Current		Cumulative		Approved Budget		Variance			
Cost Elements:	SU	LOE/Hours	Dollars	LOE/Hours	Dollars	LOE/Hours	Dollars	LOE/Hours	% LOE/Hours	Dollars	% Dollars
Direct Labor											
P-4	Subtotal					10.00	491.40	10.00	100.00	491.40	100.00
P-3	BAYER, REGINA C	43.00		120.00							
	EAKINS, JULIE L	1.00		1.00							
	KEISER, JEWELLE I	7.00		7.00							
	KNIGHT, JACK C			13.00							
	SCHULTZ, DAVID E			5.30							
P-3	Subtotal	51.00	1,846.47	146.30	5,153.67	179.90	6,589.35	33.60	18.68	1,435.68	21.79
P-2	ANDRAE, WILLIAM M	108.00		471.00							
	MC KENNA, ELIZABETH A	5.00		5.00							
P-2	Subtotal	113.00	2,980.57	476.00	12,397.70	120.00	3,090.26	-356.00	-296.67	-9,307.44	-301.19
P-1	BERENS, AMANDA NOEL	5.00		5.00							
	LEHMAN, BRIAN R			10.50							
	LEPKOWSKI, MARK J			4.50							
	SHRAKE, ALEXANDRA M B			7.50							
P-1	Subtotal	5.00	101.25	27.50	664.74			-27.50		-664.74	
T-2	LIETHEN, CHRISTINE M			324.00							
	PETERSHACK, MARK D			15.00							
	REICHERT, MARCUS A			4.00							
	YOUNG, PRESTON			39.50							
T-2	Subtotal			382.50	9,441.53			-382.50		-9,441.53	
T-1	BOLDT, JOSEPH ALLEN	2.50		2.50							
	GAUSMAN WICKLUND, MARY S	113.00		544.00							
	STREHLOW, ROBERT W	9.50		15.00							
T-1	Subtotal	125.00	1,581.88	561.50	6,874.32	2,508.00	42,126.85	1,946.50	77.61	35,252.53	83.68
TOTAL, PROFESSIONAL		294.00	6,510.17	1,593.80	34,531.96	2,817.90	52,297.86	1,224.10	43.44	17,765.90	33.97
Clerical	GAUGER, ELAINE A			0.30							
	HILDEBRAND, JUANITA M	0.50		0.50							

REPORT 1

Work Assignment -- Task Level Specific Detail Report -- Variance Based on Remaining Resources

Work Assignment Number: 101-RALR-05WE	Work Area Code: RA	WA Period of Performance Start: 9/30/00
Work Assignment Title: PENTA WOOD PRODUCTS, WI	Action Code: LR	WA Period of Performance End: 9/29/03
Contractor Name: CH2M HILL INC	WA Form: TERM	Reporting Period From: 2/24/01
Contract Number: 68-W6-0025	Type Funding: SITE	Reporting Period To: 3/30/01
SSID: 05WE	Work Assignment Status: ON-GOING	Invoice Date: 4/19/01
State: WI	Remediation Category:	Invoice Number: 067
Region: 5	Operable Unit: 01	Purpose: Monthly Progress

Task Number: 9		Task Title: PROJECT PERFORMANCE						Task Category Code: PJ			
PRIME CONTRACTOR		Current		Cumulative		Approved Budget		Variance			
Cost Elements:	SU	LOE/Hours	Dollars	LOE/Hours	Dollars	LOE/Hours	Dollars	LOE/Hours	% LOE/Hours	Dollars	% Dollars
KLOSE, KARI				1.50							
MERKEL, MARCY A				0.30							
TOTAL, CLERICAL		0.50	9.87	2.60	41.21			-2.60		-41.21	
TOTAL, DIRECT LABOR		294.50	6,520.04	1,596.40	34,573.17	2,817.90	52,297.86	1,221.50	43.35	17,724.69	33.89
DIRECT COSTS											
ODCs											
Reproduction					1,549.67		500.07				
Phone/Fax			382.85		2,848.27		3,663.52				
Consumables			48.87		3,021.42		1,000.07				
Supplies			131.11		204.01						
Mail/Courier/Freight			5.50		278.55		2,200.05				
Health & Safety			500.54		2,391.47		4,913.99				
Other			142.82		2,293.23		118,999.92				
Subtotal, ODCs			1,211.69		12,586.62		131,277.62			118,691.00	90.41
Computer			1,295.80		7,198.28		12,680.96			5,482.68	43.24
Travel					5,935.89		3,999.98			-1,935.91	-48.40
Equipment			100.00		100.00					-100.00	
Subpool			923.99		12,490.54					-12,490.54	
TOTAL, DIRECT COSTS			3,531.48		38,311.33		147,958.56			109,647.23	74.11
TOTAL, PRIME DIRECTS		294.50	10,051.52	1,596.40	72,884.50	2,817.90	200,256.42				
(LOE/HRS/COST)											

INDIRECT COSTS											
Fringe (31.400% Direct Labor)			2,047.31		11,159.40						
Overhead (51.300% Direct Labor)			3,344.78		18,504.52		46,022.12				
G&A (66.700% Direct Labor)			4,348.84		22,332.19		32,999.95				
TOTAL, PRIME INDIRECT COSTS			9,740.93		51,996.11		79,022.07				

FEES

REPORT 1

Work Assignment -- Task Level Specific Detail Report -- Variance Based on Remaining Resources

Work Assignment Number:	101-RALR-05WE	Work Area Code:	RA	WA Period of Performance Start:	9/30/00
Work Assignment Title:	PENTA WOOD PRODUCTS, WI	Action Code:	LR	WA Period of Performance End:	9/29/03
Contractor Name:	CH2M HILL INC	WA Form:	TERM	Reporting Period From:	2/24/01
Contract Number:	68-W6-0025	Type Funding:	SITE	Reporting Period To:	3/30/01
SSID:	05WE	Work Assignment Status:	ON-GOING	Invoice Date:	4/19/01
State:	WI	Remediation Category:		Invoice Number:	067
Region:	5	Operable Unit:	01	Purpose:	Monthly Progress

<i>Task Number: 9</i>		<i>Task Title: PROJECT PERFORMANCE</i>						<i>Task Category Code: PJ</i>			
PRIME CONTRACTOR		Current		Cumulative		Approved Budget		Variance			
Cost Elements:	SU	LOE/Hours	Dollars	LOE/Hours	Dollars	LOE/Hours	Dollars	LOE/Hours	% LOE/Hours	Dollars	% Dollars
2.88 x Prime LOE Hours, plus 4.00% of Equipment			850.72		4,594.14		11,171.20				
2.00% of Subpool			18.48		249.80						
SUBTOTAL BASE FEES			869.20		4,843.94		11,171.20				
TOTAL TASK, PRIME COSTS			20,661.65		129,724.55		290,449.69				
(DIRECTS + INDIRECTS + BASE FEES)											

REPORT 1

Work Assignment -- Task Level Specific Detail Report -- Variance Based on Remaining Resources

Work Assignment Number:	101-RALR-05WE	Work Area Code:	RA	WA Period of Performance Start:	9/30/00
Work Assignment Title:	PENTA WOOD PRODUCTS, WI	Action Code:	LR	WA Period of Performance End:	9/29/03
Contractor Name:	CH2M HILL, INC.	WA Form:	TERM	Reporting Period From:	2/24/01
Contract Number:	68-W6-0025	Type Funding:	SITE	Reporting Period To:	3/30/01
SSID:	05WE	Work Assignment Status:	ON-GOING	Invoice Date:	4/19/01
State:	WI	Remediation Category:		Invoice Number:	067
Region:	5	Operable Unit:	01	Purpose:	Monthly Progress

Task Number: 9 Task Title: PROJECT PERFORMANCE Task Category Code: PJ

TOTALS FOR TASK 9 (PRIME + TEAM SUBCONTRACTORS)

Cost Elements:	Current		Cumulative		Approved Budget		Variance			
	LOE/Hours	Dollars	LOE/Hours	Dollars	LOE/Hours	Dollars	LOE/Hours	% LOE/Hours	Dollars	% Dollars
TOTAL, DIRECT LABOR (Professional)	294.00	6,510.17	1,593.80	34,531.96	2,817.90	52,297.86	1,224.10	43.44	17,765.90	33.97
TOTAL, DIRECT LABOR (Clerical)	0.50	9.87	2.60	41.21			-2.60		-41.21	
TOTAL, DIRECT COSTS										
Other Direct Costs		1,211.69		12,586.62		131,277.62			118,691.00	90.41
Travel				5,935.89		3,999.98			-1,935.91	-48.40
Computer		1,295.80		7,198.28		12,680.96			5,482.68	43.24
Equipment		100.00		100.00					-100.00	
Subpool		923.99		12,490.54					-12,490.54	
PLI (Pollution Liability Insurance) Premium										
TOTAL, INDIRECT COSTS (Fringe, O/H, G&A)		9,740.93		51,996.11		79,022.07			27,025.96	34.20
TOTAL, TEAM SUB FEES (as negotiated)										
TOTAL, BASE FEES (Prime)		869.20		4,843.94		11,171.20			6,327.26	56.64
TOTAL, TASK 9 COSTS	294.50	20,661.65	1,596.40	129,724.55	2,817.90	290,449.69			160,725.14	55.34

REPORT 1

Work Assignment -- Task Level Specific Detail Report -- Variance Based on Remaining Resources

Work Assignment Number:	101-RALR-05WE	Work Area Code:	RA	WA Period of Performance Start:	9/30/00
Work Assignment Title:	PENTA WOOD PRODUCTS, WI	Action Code:	LR	WA Period of Performance End:	9/29/03
Contractor Name:	CH2M HILL, INC.	WA Form:	TERM	Reporting Period From:	2/24/01
Contract Number:	68-W6-0025	Type Funding:	SITE	Reporting Period To:	3/30/01
SSID:	05WE	Work Assignment Status:	ON-GOING	Invoice Date:	4/19/01
State:	WI	Remediation Category:		Invoice Number:	067
Region:	5	Operable Unit:	01	Purpose:	Monthly Progress

Task Number: 11 Task Title: WORK ASSIGNMENT CLOSE OUT Task Category Code: CD

TOTALS FOR TASK 11 (PRIME + TEAM SUBCONTRACTORS)

Cost Elements:	Current		Cumulative		Approved Budget		Variance			
	LOE/Hours	Dollars	LOE/Hours	Dollars	LOE/Hours	Dollars	LOE/Hours	% LOE/Hours	Dollars	% Dollars
TOTAL, DIRECT LABOR (Professional)					20.00	573.76	20.00	100.00	573.76	100.00
TOTAL, DIRECT LABOR (Clerical)					6.00	104.11	6.00	100.00	104.11	100.00
TOTAL, DIRECT COSTS										
Other Direct Costs						268.82			268.82	100.00
Travel										
Computer						117.01			117.01	100.00
Equipment										
Subpool										
PLI (Pollution Liability Insurance) Premium										
TOTAL, INDIRECT COSTS (Fringe, O/H, G&A)						1,024.17			1,024.17	100.00
TOTAL, TEAM SUB FEES (as negotiated)										
TOTAL, BASE FEES (Prime)						83.48			83.48	100.00
TOTAL, TASK 11 COSTS					26.00	2,171.35			2,171.35	100.00

REPORT 1

Work Assignment -- Task Level Specific Detail Report -- Variance Based on Remaining Resources

Work Assignment Number:	101-RALR-05WE	Work Area Code:	RA	WA Period of Performance Start:	9/30/00
Work Assignment Title:	PENTA WOOD PRODUCTS, WI	Action Code:	LR	WA Period of Performance End:	9/29/03
Contractor Name:	CH2M HILL, INC.	WA Form:	TERM	Reporting Period From:	2/24/01
Contract Number:	68-W6-0025	Type Funding:	SITE	Reporting Period To:	3/30/01
SSID:	05WE	Work Assignment Status:	ON-GOING	Invoice Date:	4/19/01
State:	WI	Remediation Category:		Invoice Number:	067
Region:	5	Operable Unit:	01	Purpose:	Monthly Progress

WORK ASSIGNMENT TOTALS (ALL TASKS)										
Cost Elements:	Current		Cumulative		Approved Budget		Variance			
	LOE/Hours	Dollars	LOE/Hours	Dollars	LOE/Hours	Dollars	LOE/Hours	% LOE/Hours	Dollars	% Dollars
TOTAL, DIRECT LABOR (Professional)	400.10	9,458.55	2,710.50	65,035.04	6,317.80	138,243.03	3,607.30	57.10	73,207.99	52.96
TOTAL, DIRECT LABOR (Clerical)	18.70	285.52	116.80	1,691.22	161.90	2,811.35	45.10	27.86	1,120.13	39.84
TOTAL, DIRECT COSTS										
Other Direct Costs		1,531.56		18,458.94		145,935.71			127,476.77	87.35
Travel				8,459.48		13,599.97			5,140.49	37.80
Computer		1,843.60		12,715.66		29,160.18			16,444.52	56.39
Equipment		225.00		5,069.74		1,000.07			-4,069.67	-406.94
Subpool		46,301.98		321,572.10		862,509.51			540,937.41	62.72
PLI (Pollution Liability Insurance) Premium										
TOTAL, INDIRECT COSTS (Fringe, O/H, G&A)		14,557.61		100,380.10		213,132.73			112,752.63	52.90
TOTAL, TEAM SUB FEES (as negotiated)										
TOTAL, BASE FEES (Prime)		2,087.33		14,440.42		43,332.92			28,892.50	66.68
TOTAL, PERFORMANCE (AWARD) FEE (Team Sub)										
TOTAL, PERFORMANCE (AWARD) FEE (Prime)						64,999.15			64,999.15	100.00
TOTAL, WORK ASSIGNMENT	418.80	76,291.15	2,827.30	547,822.70	6,479.70	1,514,724.62			966,901.92	63.83
<i>Average Hourly Rate</i>		<i>23.27</i>		<i>23.60</i>						

Superfund Jobs Training Initiative (Super JTI) Summary

	Current		Cumulative	
	LOE/Hours	Dollars	LOE/Hours	Dollars
CH2M HILL CONSTRUCTORS	0.00	0.00	0.00	0.00
CH2M HILL INC	0.00	0.00	0.00	0.00
ECOLOGY AND ENVIRONMENT,	0.00	0.00	0.00	0.00
TN & ASSOCIATES INC.	0.00	0.00	0.00	0.00
TUCKER, YOUNG, JACKSON, TULL INC	0.00	0.00	0.00	0.00
Total	0.00	0.00	0.00	0.00

REPORT 1A

Work Assignment Supplemental Detail Report - Travel and Other Direct Costs for Vendors

Work Assignment Number: 101-RALR-05WE
 Work Assignment Title: PENTA WOOD PRODUCTS, WI
 Contractor Name: CH2M HILL INC
 Contract Number: 68-W6-0025
 SSID: 05WE
 State: WI
 Region: 5

Work Area Code: RA
 Action Code: LR
 WA Form: TERM
 Type Funding: SITE
 Work Assignment Status: ON-GOING
 Remediation Category:
 Operable Unit: 01

WA Period of Performance Start: 9/30/00
 WA Period of Performance End: 9/29/03
 Reporting Period From: 2/24/01
 Reporting Period To: 3/30/01
 Invoice Date: 4/19/01
 Invoice Number: 067
 Purpose: Monthly Progress

OTHER DIRECT COSTS FOR VENDORS

CH2M HILL INC

Vendor Name	Brief Description of Work	Business Status	Current Dollars
Supplies (Incl. Materials, etc.) ENVIRONMENTAL RESOURCE ASSOCIATES	EQUIPMENT/CONSUMABLE	SBE	0.00
Total, CH2M HILL INC ODC Vendors			0.00

CH2M HILL INC -- Cumulative by Business Type

Business Status	Cumulative Dollars
SBE	108.00

REPORT 1B

Work Assignment Supplemental Detail Report - Subpool Summary

Work Assignment Number: 101-RALR-05WE
 Work Assignment Title: PENTA WOOD PRODUCTS, WI
 Contractor Name: CH2M HILL, INC.
 Contract Number: 68-W6-0025
 SSID: 05WE
 State: WI
 Region: 5

Work Area Code: RA
 Action Code: LR
 WA Form: TERM
 Type Funding: SITE
 Work Assignment Status: ON-GOING
 Remediation Category:
 Operable Unit: 01

WA Period of Performance Start: 9/30/00
 WA Period of Performance End: 9/29/03
 Reporting Period From: 2/24/01
 Reporting Period To: 3/30/01
 Invoice Date: 4/19/01
 Invoice Number: 067
 Purpose: Monthly Progress

Subpool Work by Task

Task		Subpool Subcontractor Name	Brief Description of Work	Current Dollars	Cumulative Dollars	Approved Budget Dollars
No.	Cat. Code					
7	CV	PEL LABORATORIES INC. Subtotal of Task 7	ANALYTICAL SERVICES	1,755.00	19,032.50	79,865.00
8	AI	CARBONAIR ENVIRONMENTAL SYSTEMS INC CARBONAIR ENVIRONMENTAL SYSTEMS INC DAKOTA INTERTEK CORP DAVIDSON WELL DRILLING LIMITED DAVIDSON WELL DRILLING LIMITED ONYX ENVIRONMENTAL SERVICES LLC SAFETY KLEEN SAFETY KLEEN TWL ENTERPRISES/ DBA TCL PROCESS TECHNOLOGIES WRS INFRASTRUCTURE & ENVIRONMENT INC Subtotal of Task 8	CLAY VESSEL EXCHANGE EQUIPMENT INSTALLATION GROUNDWATER TREATMENT DRILLING DRILLING & WELL INSTALLATION HAZARDOUS WASTE DISPOSAL DISPOSAL SERVICE CLEANING TANKS PROVIDE PUMPS EARTHWORK	35,707.50 7,915.49 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.00	45,982.67 7,915.49 27,518.00 0.00 0.00 0.00 14,038.50 10,418.25 14,266.25 169,909.90	48,369.66 9,638.00 39,564.00 6,000.00 11,600.00 189,180.00 14,038.50 10,815.25 14,266.25 188,495.57
9	PJ	BROWNING FERRIS INDUSTRIES CHIBARDUN TELEPHONE COOPERATIVE INC JOHN KLAAS/ A-1 SEPTIC NORTHWESTERN WISCONSIN ELECTRIC CO NORTHWESTERN WISCONSIN ELECTRIC CO PRICE ENGINEERING COMPANY INC SIREN TELEPHONE CO Subtotal of Task 9	DUMPSTER SERVICE PAGER SERVICE PORTABLE TOILETS ELECTRICITY SERVICES REMOVE & REINSTALL ELECTRICAL SERVICE DRIVE EQUIPMENT TELEPHONE SERVICE	40.80 10.55 85.00 513.13 0.00 0.00 274.51 923.99	122.40 21.10 85.00 2,227.84 5,961.94 3,541.56 530.70 12,490.54	489.60 379.80 1,085.00 107,000.00 5,961.94 3,816.12 10,000.00 128,732.46
		Total		46,301.98	321,572.10	740,564.69

REPORT 1B

Work Assignment Supplemental Detail Report - Subpool Summary

Work Assignment Number: 101-RALR-05WE
 Work Assignment Title: PENTA WOOD PRODUCTS, WI
 Contractor Name: CH2M HILL, INC.
 Contract Number: 68-W6-0025
 SSID: 05WE
 State: WI
 Region: 5

Work Area Code: RA
 Action Code: LR
 WA Form: TERM
 Type Funding: SITE
 Work Assignment Status: ON-GOING
 Remediation Category:
 Operable Unit: 01

WA Period of Performance Start: 9/30/00
 WA Period of Performance End: 9/29/03
 Reporting Period From: 2/24/01
 Reporting Period To: 3/30/01
 Invoice Date: 4/19/01
 Invoice Number: 067
 Purpose: Monthly Progress

Subpool Work by Subpool Subcontractor

Task					
No.	Cat. Code	Subpool Subcontractor Name	Current Dollars	Cumulative Dollars	Approved Budget Dollars
9	PJ	BROWNING FERRIS INDUSTRIES	40.80	122.40	489.60
		Subtotal for Subpool Subcontractor	40.80	122.40	489.60
8	AI	CARBONAIR ENVIRONMENTAL SYSTEMS INC	43,622.99	53,898.16	58,007.66
		Subtotal for Subpool Subcontractor	43,622.99	53,898.16	58,007.66
9	PJ	CHIBARDUN TELEPHONE COOPERATIVE INC	10.55	21.10	379.80
		Subtotal for Subpool Subcontractor	10.55	21.10	379.80
8	AI	DAKOTA INTERTEK CORP	0.00	27,518.00	39,564.00
		Subtotal for Subpool Subcontractor	0.00	27,518.00	39,564.00
8	AI	DAVIDSON WELL DRILLING LIMITED	0.00	0.00	17,600.00
		Subtotal for Subpool Subcontractor	0.00	0.00	17,600.00
9	PJ	JOHN KLAAS/ A-1 SEPTIC	85.00	85.00	1,085.00
		Subtotal for Subpool Subcontractor	85.00	85.00	1,085.00
9	PJ	NORTHWESTERN WISCONSIN ELECTRIC CO	513.13	8,189.78	112,961.94
		Subtotal for Subpool Subcontractor	513.13	8,189.78	112,961.94
8	AI	ONYX ENVIRONMENTAL SERVICES LLC	0.00	0.00	189,180.00
		Subtotal for Subpool Subcontractor	0.00	0.00	189,180.00
7	CV	PEL LABORATORIES INC.	1,755.00	19,032.50	79,865.00
		Subtotal for Subpool Subcontractor	1,755.00	19,032.50	79,865.00
9	PJ	PRICE ENGINEERING COMPANY INC	0.00	3,541.56	3,816.12
		Subtotal for Subpool Subcontractor	0.00	3,541.56	3,816.12
8	AI	SAFETY KLEEN	0.00	24,456.75	24,853.75
		Subtotal for Subpool Subcontractor	0.00	24,456.75	24,853.75
9	PJ	SIREN TELEPHONE CO	274.51	530.70	10,000.00
		Subtotal for Subpool Subcontractor	274.51	530.70	10,000.00
8	AI	TWL ENTERPRISES/ DBA TCL PROCESS TECHNOLOGIES	0.00	14,266.25	14,266.25
		Subtotal for Subpool Subcontractor	0.00	14,266.25	14,266.25
8	AI	WRS INFRASTRUCTURE & ENVIRONMENT INC	0.00	169,909.90	188,495.57
		Subtotal for Subpool Subcontractor	0.00	169,909.90	188,495.57

REPORT 1B

Work Assignment Supplemental Detail Report - Subpool Summary

Work Assignment Number: 101-RALR-05WE
Work Assignment Title: PENTA WOOD PRODUCTS, WI
Contractor Name: CH2M HILL, INC.
Contract Number: 68-W6-0025
SSID: 05WE
State: WI
Region: 5

Work Area Code: RA
Action Code: LR
WA Form: TERM
Type Funding: SITE
Work Assignment Status: ON-GOING
Remediation Category:
Operable Unit: 01

WA Period of Performance Start: 9/30/00
WA Period of Performance End: 9/29/03
Reporting Period From: 2/24/01
Reporting Period To: 3/30/01
Invoice Date: 4/19/01
Invoice Number: 067
Purpose: Monthly Progress

	Total	46,301.98	321,572.10	740,564.69
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REPORT 2T

Current Month & Cumulative Status Report --- Task Level Totals within Term Form Work Assignment

Work Assignment Number: 101-RALR-05WE
 Work Assignment Title: PENTA WOOD PRODUCTS, WI
 Contractor Name: CH2M HILL, INC.
 Contract Number: 68-W6-0025
 SSID: 05WE
 State: WI
 Region: 5

Work Area Code: RA
 Action Code: LR
 WA Form: TERM
 Type Funding: SITE
 Work Assignment Status: ON-GOING
 Remediation Category:
 Operable Unit: 01

WA Period of Performance Start: 9/30/00
 WA Period of Performance End: 9/29/03
 Reporting Period From: 2/24/01
 Reporting Period To: 3/30/01
 Invoice Date: 4/19/01
 Invoice Number: 067
 Purpose: Monthly Progress

Current Month

TASK		LOE (Prime/Team)						LOE	CLERICAL	CLERICAL	PLI	ODCs	COMPUTER	TRAVEL	EQUIP.	SUBPOOL	INDIRECT	FEES	TOTAL	TOTAL
NO.	CAT. CODE	P-4	P-3	P-2	P-1	T-2	T-1	LABOR \$	HOURS	LABOR \$	PREMIUM					COSTS		LOE	\$	
1	PP	4.00	2.00	3.00				320.34	18.20	275.65		42.36	119.68			890.41	25.92	9.00	7,000.00	
3	DU		15.00		10.00	6.50		899.39				96.09	138.60			1,343.69	90.72	31.50	2,568.49	
4	PB		4.00	25.00				744.09				74.23	128.48			1,111.66	83.52	29.00	2,141.98	
7	CV	6.00	8.00		16.00	5.60	1.00	984.56				107.19	161.04	125.00	1,755.00	1,470.92	145.51	36.60	4,749.22	
8	AI														43,622.99		872.46		44,495.45	
9	PJ		51.00	113.00	5.00		125.00	6,510.17	0.50	9.87		1,211.69	1,295.80	100.00	923.99	9,740.93	869.20	294.00	20,661.65	
11	CO																			
Performance (Award) Fee																	0.00	0.00		
TOTAL		10.00	80.00	141.00	31.00	12.10	126.00	9,458.55	18.70	285.52	0.00	1,531.56	1,843.60	0.00	225.00	46,301.98	14,557.61	2,087.33	400.10	76,291.15

REPORT 2T

Current Month & Cumulative Status Report --- Task Level Totals within Term Form Work Assignment

Work Assignment Number: 101-RALR-05WE
 Work Assignment Title: PENTA WOOD PRODUCTS, WI
 Contractor Name: CH2M HILL, INC.
 Contract Number: 68-W6-0025
 SSID: 05WE
 State: WI
 Region: 5

Work Area Code: RA
 Action Code: LR
 WA Form: TERM
 Type Funding: SITE
 Work Assignment Status: ON-GOING
 Remediation Category:
 Operable Unit: 01

WA Period of Performance Start: 9/30/00
 WA Period of Performance End: 9/29/03
 Reporting Period From: 2/24/01
 Reporting Period To: 3/30/01
 Invoice Date: 4/19/01
 Invoice Number: 067
 Purpose: Monthly Progress

Cumulative To-Date

TASK NO.	CAT. CODE	LOE (Prime/Team)						LOE LABOR \$	CLERICAL HOURS	CLERICAL LABOR \$	PLI PREMIUM	ODCs	COMPUTER	TRAVEL	EQUIP.	SUBPOOL	INDIRECT COSTS	FEES	TOTAL LOE	TOTAL \$	
		P-4	P-3	P-2	P-1	T-2	T-1														
1	PP	28.00	123.00	138.20	2.70	2.00	6.60	8,732.06	113.60	1,639.77		843.01	1,855.19					15,625.44	865.44	300.50	29,568.51
3	DU		41.00		26.50	50.10	1.30	3,156.49	0.10	1.62		1,263.50	552.33					4,755.82	342.44	118.90	10,072.20
4	PB		71.00	148.00			4.00	6,243.66				491.51	983.48					9,336.36	642.24	223.00	17,697.25
7	CV	33.00	131.00	20.00	147.00	121.80	20.50	12,351.87	0.20	2.80		2,594.67	2,120.53	2,523.59	4,969.74	19,032.50		18,628.88	1,942.50	473.30	64,167.08
8	AI						1.00	19.00	0.30	5.82		879.63	5.85			290,049.06		37.49	5,803.86	1.00	296,600.71
9	PJ		146.30	476.00	27.50	382.50	561.50	34,531.96	2.60	41.21		12,586.62	7,198.28	5,935.89	100.00	12,490.54		51,996.11	4,843.94	1,593.80	129,724.55
11	CO																				
Performance (Award) Fee																	0.00			0.00	
TOTAL		61.00	512.30	782.20	203.70	560.40	590.90	65,035.04	116.80	1,691.22	0.00	18,458.94	12,715.66	8,459.48	5,069.74	321,572.10	100,380.10	14,440.42	2,710.50	547,822.70	

Adjustments/Disallowed Costs

TASK		INVOICE NUMBER	SUSPENDED		RE-BILLED		DISALLOWED	
NO.	CAT. CODE		DATE	AMOUNT	DATE	AMOUNT	DATE	AMOUNT

TOTAL

REPORT 3T

Variance Based on Extended To-Date Report --- Task Level --- Term Form Work Assignment

Work Assignment Number: 101-RALR-05WE
 Work Assignment Title: PENTA WOOD PRODUCTS, WI
 Contractor Name: CH2M HILL, INC.
 Contract Number: 68-W6-0025
 SSID: 05WE
 State: WI
 Region: 5

Work Area Code: RA
 Action Code: LR
 WA Form: TERM
 Type Funding: SITE
 Work Assignment Status: ON-GOING
 Remediation Category:
 Operable Unit: 01

WA Period of Performance Start: 9/30/00
 WA Period of Performance End: 9/29/03
 Reporting Period From: 2/24/01
 Reporting Period To: 3/30/01
 Invoice Date: 4/19/01
 Invoice Number: 067
 Purpose: Monthly Progress

TASK NO.	TASK CAT. CODE	TASK TITLE	CUMULATIVE LOE	CUMULATIVE TOTAL LOADED \$ INVOICED	DOLLARS INCURRED BUT NOT INVOICED	TOTAL INVOICED + INCURRED BUT NOT INVOICED	APPROVED BUDGET		VARIANCE BASED ON APPROVED BUDGET			EXPENDITURE LIMIT		VARIANCE BASED ON EXPENDITURE LIMIT	
							LOE	DOLLARS	% LOE INVOICED	% DOLLARS INVOICED	% INV'D+INCUR'D BUT NOT INV'D	LOE	DOLLARS	% LOE INVOICED	% DOLLARS INVOICED
1	PP	PROJECT PLANNING AND SUPPORT	300.50	29,560.91	0.00	29,560.91	418.90	44,047.13	71.74	67.11	67.11	419.00	46,589.00	71.72	63.45
3	DU	DEVELOP/UPDATE OF SS PLANS	118.90	10,072.20	0.00	10,072.20	69.10	6,320.75	172.07	159.35	159.35	69.00	6,685.00	172.32	150.67
4	PB	PROCUREMENT OF SUBCONTRACT	223.00	17,697.25	0.00	17,697.25	90.00	8,357.03	247.78	211.76	211.76	90.00	8,839.00	247.78	200.22
7	CV	CLEANUP VALIDATION	473.30	64,167.08	0.00	64,167.08	2,901.90	431,502.44	16.31	14.87	14.87	2,901.00	456,368.00	16.32	14.06
8	AI	REMEDIATION IMPLEMENTATION	1.00	296,600.71	0.00	296,600.71	0.00	666,877.08	0.00	44.48	44.48	0.00	552,016.00	0.00	53.73
9	PJ	PROJECT PERFORMANCE	1,593.80	129,724.55	0.00	129,724.55	2,817.90	290,449.69	56.56	44.66	44.66	2,818.00	307,206.00	56.56	42.23
11	CO	WORK ASSIGNMENT CLOSE OUT	0.00	0.00	0.00	0.00	20.00	2,171.35	0.00	0.00	0.00	20.00	2,297.00	0.00	0.00
				<i>Performance (Award) Fee</i>		0.00		64,999.15		0.00					
TOTAL			2,710.50	547,822.70	0.00	547,822.70	6,317.80	1,514,724.62	42.90	36.17	36.17	6,317.00	1,380,000.00	42.91	39.70

FILE ANSWERED
05-07-115347 +

RECEIVED
DNR SPOONER

'01 MAY 29 AM 8 28

RAC V TECHNICAL STATUS REPORT

March 31, 2001 to April 27, 2001

WORK ASSIGNMENT NUMBER: 101-RALR-05WE
SITE NAME: Penta Wood Products-OU 1, WI
ACTIVITY: Long-Term Response Action
CH2M HILL JOB NUMBER: 159815
PREPARED BY: Regina Bayer, Site Manager
Bill Andrae, Assistant Site Manager
PERIOD ENDING: April 27, 2001
COPIES: WAM: Tony Rutter, USEPA, Region 5
PM: Isaac H. Johnson, CH2M HILL, Milwaukee, WI
RTL: Phil Smith, CH2M HILL, Milwaukee, WI
WDNR: Tom Kendzierski, WDNR, Spooner, WI
WDNR: Dave Hantz, WDNR, Madison, WI
WDNR: Pete Prusak, WDNR, Cumberland, WI

1. Progress Made This Reporting Period

The groundwater treatment system continued to operate during the reporting period, treating and discharging approximately 2.8 million gallons of groundwater. Preliminary analytical results received during this reporting period are summarized in the following table. The PCP concentrations for some sample locations may change after the final results are received.

Date Sampled	Sample ID	Sample Location	PCP Concentration ($\mu\text{g/L}$)
03/23/2001	01CB07-21	System Influent	9.97*
03/23/2001	01CB07-22	System Effluent	2.18
03/23/2001	01CB07-23	Oil/Water Separator Effluent	7.85*
03/26/2001	01CB07-24	Well No. 10	1,650
03/26/2001	01CB07-25	Well No. 6	1,600
03/26/2001	01CB07-26	System Influent	1,630
03/26/2001	01CB07-27	Oil Bag Effluent	1,620
03/26/2001	01CB07-28	Particulate Bag Effluent	1,660
03/26/2001	01CB07-29	Clay Effluent	1,690
03/26/2001	01CB07-30	Carbon 1 Effluent	217
03/26/2001	01CB07-31	System Effluent	3.25
03/27/2001	01CB07-32	Well No. 10	1,660
03/27/2001	01CB07-33	System Influent	1,670
03/27/2001	01CB07-34	System Effluent	3.74
03/29/2001	01CB07-35	System Influent	1,650

Date Sampled	Sample ID	Sample Location	PCP Concentration ($\mu\text{g/L}$)
03/29/2001	01CB07-36	System Effluent	8.09
04/2/2001	01CB07-37	System Effluent	3.2
04/02/2001	01CB07-38	System Influent	9,190
04/04/2001	01CB07-39	System Influent	10,200
04/04/2001	01CB07-40	System Effluent	2.3
04/10/2001	01CB07-41	System Effluent	4.7
04/17/2001	01CB07-43	System Effluent	Results Pending
04/24/2001	01CB07-55	System Effluent	Results Pending
04/24/2001	01CB07-56	System Influent	Results Pending

*Result being confirmed

The PCP concentrations shown above seem to indicate that Well No. 10 and Well No. 6 have a significant influence on the influent PCP concentration. Prior to March 23, the influent PCP concentration was only in the hundreds of $\mu\text{g/L}$, but with Well No. 10 operating, the influent PCP concentration increased in order of magnitude. The effluent PCP concentration remains around 3 $\mu\text{g/L}$, but may be increasing.

At the start of the reporting period, seven of the eight extraction wells were operating (Well No. 11 remains off) at 15 gpm each. On April 11, the differential pressure on the clay vessel increased, and subsequently Well Nos. 6 and 10 were turned off to reduce the pressure. Additional wells were turned off in the following days until April 14. On this day, the top hatch of the clay vessel was opened, and the top layer of the clay media bed was mixed to break up the cemented layer. This action relieved the pressure for a couple of days, but eventually the media bed will need to be replaced. Currently, four wells are operating at 10 gpm each.

During the reporting period, samples of the LNAPL/water stream were tested by several vendors specializing in breaking oil emulsions. Preliminary results of the testing indicate the emulsion can be broken. Further research is being conducted on the dissolved air flotation equipment required to remove the oil after the emulsion is broken. On April 25, CH2M HILL received USEPA approval for the pilot-scale carbon study described in TDM No. 3.

On April 3, the waste removal subcontractor was on site to transport spent carbon and debris off site. A total of 26 supersacks filled with spent carbon and organoclay were shipped offsite, as well as five drums of LNAPL and one drum of debris (bag filters, tyveks, etc).

Annual groundwater sampling was conducted the week of April 23. A total of 20 monitoring wells were sampled. Two of the wells designated for sampling could not be sampled because the bailer would not drop down through the riser casing. One well's riser casing is slight bent due to poor installation of the protective cover and can be repaired. The other well has an obstruction that may be able to be removed. Four residential wells were also sampled.

On April 25, John Longo of CH2M HILL conducted an internal health and safety audit of the site. The results of the audit will be shared with the WAM.

On April 19, CH2M HILL submitted the LTRA QAPP to the USEPA and WDNR.

Summary of Project Status						
Task No./ Code	Planned Start	Actual Start	Planned Completion	Actual Completion	Percent Complete	Schedule Variance
1-PP	09/30/00	09/30/00	9/29/03		68	
3-DU	09/30/00	09/30/00	9/29/03		160	
4-PB	09/30/00	09/30/00	9/29/03		215	
7-CV	09/30/00	09/30/00	9/29/03		20	
8-AI	09/30/00	09/30/00	9/29/03		45	
9-PJ	09/30/00	09/30/00	9/29/03		45	
11-CO	08/01/03		9/29/03		0	

2. Problems Resolved

None.

3. Problem Areas and Recommended Solutions

Rainfall that topped 5 inches over a 5-day period hit the Penta Wood site at a vulnerable time - after snow melt, and before the vegetation planted late last fall took full effect. Overall, the site held up fairly well, but the western gabion stormwater downchute took a hit. During the past week, an assessment was made by the WAM, SM, the project geotechnical engineer, and the project construction manager. The WAM also met with an adjacent property owner and the local soil conservation group representative. The RA earthworks subcontractor, WRS, is mobilizing to the site on April 30, and will begin with the most critical activities to stem further collapse of the western downchute with the next rain event. CH2M HILL prepared a technical memorandum and cost estimate describing the situation, and estimated costs to repair the damage.

4. Deliverables Submitted

On April 10, an e-mail was prepared and distributed which summarized the proposed pilot test for both the groundwater and the LNAPL emulsion.

On April 19, the LTRA QAPP was submitted.

5. Activities Planned Next Reporting Period

A technical memorandum will be submitted that summarizes the outcome of the site assessment conducted the week of April 23, and outlines what damage was done, how the damage can be fixed, and an estimate of the involved costs. Some additional items will be included will facilitate future O&M, such as extending the gravel area used by trucks for turning. Activities will be classified in the memorandum as either an immediate need or near-term.

It is anticipated that the pilot-scale treatability test will be initiated for the groundwater treatment system. Research on the dissolved air flotation unit for the OWS water will continue.

6. Key Personnel Changes

None.

7. Subcontractor Services

Earthworks:	WRS Infrastructure & Environmental Inc.
Drilling:	Davidson Environmental
Bioventing/Groundwater Treatment:	Dakota Intertek Corp.
OWS Bypass:	Carbonair

8. Travel

The SM traveled to the site on April 19 to oversee plant operations while the operator was in training in Milwaukee, and to oversee groundwater sampling and maintenance activities. The SM returned home on April 27. Bill Andrae, Dave Shekoski, Paul Arps, Kathi Ried, and Keli McKenna traveled to the site on April 22 to conduct groundwater sampling and monthly plant sampling. Bill Andrae returned home on April 25. The remainder of the crew returned home on April 27. John Longo, Regional Health and Safety Officer of CH2M HILL's New Jersey office, traveled to the site on April 24 to conduct a health and safety audit, and returned home on April 25. Chris Liethen, construction manager, traveled to the site on April 25 and to assess storm damages to the CAMU, returning home April 26. Jeff Meerdink, geotechnical engineer, traveled to the site on April 26 to provide engineering support and cost estimating for the erosion control repair measures. Travel charges will be invoiced during the next reporting period.

9. Laboratories

PEL Laboratory analyzed water samples.

10. Project Performance

CH2M HILL has proposed solutions to confirm there is no unexpected ionization problem with the dissolved PCP and to address the OWS water.

The SM and plant operator worked in the rainstorm on Sunday, April 22 to dig ditches to redirect rainwater gullies into structured features. An assessment team was mobilized within 2 days of the rain event.

05-07-000484 ✓

Pentawood

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RAC V TECHNICAL STATUS REPORT
April 28, 2001 to May 25, 2001

WORK ASSIGNMENT NUMBER: 101-RALR-05WE
SITE NAME: Penta Wood Products-OU 1, WI
ACTIVITY: Long-Term Response Action
CH2M HILL JOB NUMBER: 159815
PREPARED BY: Regina Bayer, Site Manager
Bill Andrae, Assistant Site Manager
PERIOD ENDING: May 25, 2001

COPIES: WAM: Tony Rutter, USEPA, Region 5
PM: Isaac H. Johnson, CH2M HILL, Milwaukee, WI
RTL: Phil Smith, CH2M HILL, Milwaukee, WI
WDNR: Tom Kendzierski, WDNR, Spooner, WI
WDNR: Dave Hantz, WDNR, Madison, WI
WDNR: Pete Prusak, WDNR, Cumberland, WI

1. Progress Made This Reporting Period

Treatment Plant. The groundwater treatment system continued to operate during the reporting period, treating and discharging approximately 1.64 million gallons of groundwater. Preliminary and final analytical results received during this reporting period are summarized in the following table. The PCP concentrations for some of the sample locations have changed after the final results were received. (Please refer to the *Problems Resolved* section of this report for a detailed explanation.) In subsequent reports, only final, validated results will be reported to avoid confusion.

Date Sampled	Sample ID	Sample Location	Preliminary PCP Concentration (µg/L)	Final PCP Concentration (µg/L)
03/23/2001	01CB07-21	System Influent	9.97*	9,050
03/23/2001	01CB07-22	System Effluent	2.18	2.1
03/23/2001	01CB07-23	Oil/Water Separator Effluent	7.85*	10,400
03/26/2001	01CB07-24	Well No. 10	1,650	17,600
03/26/2001	01CB07-25	Well No. 6	1,600	5,660
03/26/2001	01CB07-26	System Influent	1,630	10,900
03/26/2001	01CB07-27	Oil Bag Effluent	1,620	11,100
03/26/2001	01CB07-28	Particulate Bag Effluent	1,660	11,400
03/26/2001	01CB07-29	Clay Effluent	1,690	11,300
03/26/2001	01CB07-30	Carbon 1 Effluent	217	212
03/26/2001	01CB07-31	System Effluent	3.25	18

Date Sampled	Sample ID	Sample Location	Preliminary PCP Concentration ($\mu\text{g/L}$)	Final PCP Concentration ($\mu\text{g/L}$)
03/27/2001	01CB07-32	Well No. 10	1,660	19,800
03/27/2001	01CB07-33	System Influent	1,670	11,500
03/27/2001	01CB07-34	System Effluent	3.74	28
03/29/2001	01CB07-35	System Influent	1,650	11,700
03/29/2001	01CB07-36	System Effluent	8.09	178
04/02/2001	01CB07-37	System Effluent	3.2	3.2
04/02/2001	01CB07-38	System Influent	9,190	9,190
04/04/2001	01CB07-39	System Influent	10,200	10,200
04/04/2001	01CB07-40	System Effluent	2.3	2.3
04/10/2001	01CB07-41	System Effluent	4.7	4.7
04/17/2001	01CB07-43	System Effluent	0.78	0.78
04/24/2001	01CB07-55	System Effluent	1.3	1.3
04/24/2001	01CB07-56	System Influent	14,100	14,100
05/02/2001	01CB08-18	System Effluent	0.621	0.62
05/09/2001	01CB08-19	System Effluent	1.15	1.2
05/16/2001	01CB08-20	System Effluent	1.13	Pending
05/21/2001	01CB08-36	System Influent	7,210	Pending
05/21/2001	01CB08-37	System Effluent	1.20	Pending

*Results being confirmed

Final results show that Well No. 10 exerts a significant influence on both influent and effluent PCP concentrations. Once Well No. 10 was turned off, the effluent PCP concentrations dropped and remained around 1-2 $\mu\text{g/L}$, but the system was being operated at only 40-55 gpm. Typically, four to six wells are put into operation at a time at a rate of 10 gpm, depending upon the differential pressure across the organoclay media bed.

The organoclay media bed requires frequent maintenance to reduce the differential pressure. Until the media bed can be replaced, flowrates need to remain at reduced levels.

The pilot-scale carbon study was initiated during this reporting period. The pilot-scale system mimics the full-scale system (i.e., identical empty bed contact times), but it also includes an ion-exchange resin. The purpose of the ion-exchange resin is to determine whether PCP is present in an ionized form. Groundwater from two representative streams—one in the absence of free-phase product (i.e., Well No. 10 off) and the other in the presence of free-phase product (i.e., Well No. 10 on), respectively—will be tested in order to determine the effect of the free-phase product on the system performance. Carbonair will routinely visit the site to collect samples and to check on the operation of the equipment.

On May 15, Carbonair was on site to set up the pilot-scale equipment. The media beds were soaked in clean water overnight, and the pilot test was started on May 16.

A set of five samples [influent, clay effluent, carbon 1 effluent, carbon 2 effluent, and ion-exchange resin (final) effluent] were collected. The pilot-scale system will be operated with groundwater containing no free-phase product for the first two weeks. Water samples (five per sampling event) will be taken on the following days: 0, 1, 3, 7, and 14 days. A total of 25 samples will be collected and analyzed for PCP.

After the initial two-week test, the treatment plant will be shut down for a weekend and restarted. The pilot scale system will be operated with groundwater containing free-phase product (Well No. 10) for an additional three days. Water samples will be taken on the following days: 0, 1 and 3 days. The sample collection will be identical to the previous phase, and a total of 15 samples will be collected and analyzed for PCP. The pilot test is expected to conclude on June 6.

Erosion Repair. On April 27, an erosion repair technical memorandum and cost estimate were submitted to the WAM. Copies were submitted to the PO and CO on April 30. On April 30, the earthwork subcontractor, WRS, mobilized to the site to perform erosion repairs and tree planting. During the first week at the site, WRS was authorized to only complete emergency erosion repairs for an amount not to exceed \$27,000, which is the dollar amount approved in the workplan for erosion repairs. On May 3, CH2M HILL received approval from USEPA to conduct the erosion repair and site modification work detailed in the technical memorandum. During this reporting period, WRS conducted the following work:

- Installed hay bales and silt fences
- Removed and rebuilt seven tiers of gabion baskets on the western stormwater downchute
- Dismantled fencing along the western downchute
- Excavated soil that had filled in sedimentation basins
- Rebuilt drainage channels that had been silted over
- Installed an access road along the western downchute
- Partially excavated wetland
- Removed tree logs from the slope bottom
- Reinforced the site roads, extended the parking area, and widened the driveway and the entrance gate
- Graded various areas
- Built check dams and wing dams
- Installed rock in the east-west drainage channel
- Planted trees
- Replaced the leak detection system panel (at no cost)
- Uncovered a groundwater extraction pipe that had been leaking (this repair will be done at no cost)

Summary of Project Status						
Task No./ Code	Planned Start	Actual Start	Planned Completion	Actual Completion	Percent Complete	Schedule Variance
1-PP	09/30/00	09/30/00	9/29/03		68	
3-DU	09/30/00	09/30/00	9/29/03		216	
4-PB	09/30/00	09/30/00	9/29/03		215	
7-CV	09/30/00	09/30/00	9/29/03		20	
8-AI	09/30/00	09/30/00	9/29/03		60	
9-PJ	09/30/00	09/30/00	9/29/03		50	
11-CO	08/01/03		9/29/03		0	

2. Problems Resolved

The required reporting limit for PCP at the Penta Wood Products site is 0.1 µg/L. To reach such a low reporting limit while still maintaining a high level of confidence, the calibration range of the laboratory instrument must bracket the reporting limit. The PCP standards used for calibration range in concentration from 0.025 ug/L to 0.3 µg/L. The field samples will occasionally contain PCP at concentrations greater than 0.3 µg/L. When this occurs, the samples are diluted until the analytical result falls within the above stated calibration range. At this point, the samples are then reanalyzed. The result is calculated by multiplying the result by the dilution factor. The calculated results are then reported.

The laboratory is currently supplying preliminary results within a seven calendar-day turn-around time. These preliminary results are reported prior to sample dilution. Therefore, if the sample's PCP concentration is above the highest calibration level of 0.3 µg/L, the result is qualified and flagged with an "E" as exceeding the calibration range, and it should be considered estimated. The larger the deviation from the highest calibration limit, the higher the variability in the analytical result prior to sample dilution. This can be seen by comparing the current, preliminary, and final results. Analytical results that are not much greater than 0.3 µg/L show little deviation from the preliminary to the final results, but analytical results that are much greater than 0.3 ug/L show a larger deviation from the preliminary to the final results.

To minimize the variability between the preliminary and final results in the future, preliminary results will not be sent from the laboratory until all of the required dilutions have been performed. The laboratory will still supply the preliminary analytical results within seven calendar-days.

3. Problem Areas and Recommended Solutions

None.

4. Deliverables Submitted

None.

5. Activities Planned Next Reporting Period

It is anticipated that the pilot-scale treatability test will be completed, and the results of both the pilot test and the dissolved air flotation (DAF) research will be presented in a technical memorandum.

6. Key Personnel Changes

None.

7. Subcontractor Services

Earthworks:	WRS Infrastructure & Environmental Inc.
Drilling:	Davidson Environmental
Bioventing/Groundwater Treatment:	Dakota Intertek Corp.
OWS Bypass:	Carbonair

8. Travel

Travel for John Longo (April 24-25), Bill Andrae (April 22-25), Paul Arps, Keli McKenna, Kathi Ried, Dave Shekoski (April 22-27), Gina Bayer (April 19-27), and Jeff Meerdink (April 26-27), was reported in last month's Technical Status Report.

Gina Bayer traveled to the site on May 3 to provide construction management, and she returned home on May 7. She returned to the site again on May 21 to observe site progress and meet with the WDNR on May 22. She returned home on May 22. Travel charges from May 21-22 will be invoiced during the next reporting period.

Jeff Meerdink traveled to the site on May 7 to provide geotechnical support, and he returned home on May 8.

Wojciech Winkler of CH2M HILL's Philadelphia office traveled to the site on May 6 to provide construction management.

Bill Andrae traveled to the site on May 17 to observe plant operations, provide engineering support, and observe the pilot test. He returned home on May 18.

9. Laboratories

PEL Laboratory analyzed water samples.

10. Project Performance

A technical memorandum and cost estimate detailing the erosion damage and needed repairs was prepared within two days of the geotechnical engineer's arrival at the site. A subcontractor was mobilized in 1 week. The subcontractor and CH2M HILL construction manager devised a means to build an access road straight down the hill, saving considerable time and money from building a road through the woods.

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RAC V TECHNICAL STATUS REPORT

May 26, 2001 to June 29, 2001

WORK ASSIGNMENT NUMBER: 101-RALR-05WE

SITE NAME: Penta Wood Products-OU 1, WI

ACTIVITY: Long-Term Response Action

CH2M HILL JOB NUMBER: 159815

PREPARED BY: Regina Bayer, Site Manager
Bill Andrae, Assistant Site Manager

PERIOD ENDING: June 29, 2001

COPIES: WAM: Tony Rutter, USEPA, Region 5
PM: Isaac H. Johnson, CH2M HILL, Milwaukee, WI
RTL: Phil Smith, CH2M HILL, Milwaukee, WI
WDNR: Tom Kendzierski, WDNR, Spooner, WI
WDNR: Dave Hantz, WDNR, Madison, WI
WDNR: Pete Prusak, WDNR, Cumberland, WI

1. Progress Made This Reporting Period

On June 18, an F3-class tornado hit Burnett County, WI causing severe damage along a 30-mile path of destruction that included the Penta Wood site. In addition to the severe damage to the trees on the northern edge of the property, the small storage building and numerous empty drums and tanks were missing and scattered on the property to the north and east of the site. The treatment building remained intact and suffered no visible damage. Power to the site was lost on the evening of June 18, and was restored the morning of June 20. No site personnel were injured.

Treatment Plant. The groundwater treatment system continued to operate during the reporting period, treating and discharging approximately 1.47 million gallons of groundwater. Final analytical results received during this reporting period are summarized in the following table:

Date Sampled	Sample ID	Sample Location	Preliminary PCP Concentration (µg/L)	Final PCP Concentration (µg/L)
05/16/2001	01CB08-20	System Effluent	1.13	1.10
05/21/2001	01CB08-36	System Influent	7,210	7,210
05/21/2001	01CB08-37	System Effluent	1.20	1.20
06/01/2001	01CB08-44	System Effluent	Sample lost during analysis	
06/04/2001	01CB08-55	System Effluent	—	2.20
06/21/2001	01CB08-75	System Effluent	—	Pending
06/27/2001	01CB08-76	System Effluent	—	Pending

The effluent PCP concentrations remained around 1 to 2 $\mu\text{g}/\text{L}$, but the system was being operated at only 40 to 55 gpm. Typically, four to six wells are put into operation at a time at a rate of 10 gpm, depending upon the differential pressure across the organoclay media bed. The organoclay media bed requires frequent maintenance to reduce the differential pressure. Until the media bed can be replaced, flowrates need to remain at reduced levels.

The pilot-scale carbon study was completed during this reporting period. The pilot-scale system mimics the full-scale system (i.e., identical empty bed contact times), but it also includes an ion-exchange resin. The purpose of the ion-exchange resin is to determine whether PCP is present in an ionized form. The preliminary analysis of the data indicate that although there appears to be a level of ionized PCP present, some PCP is still being carried through the system on submicron particulates which cannot be removed by adsorption. A final report will be prepared and submitted during the next reporting period to present the data for both the dissolved air floatation (DAF) and carbon pilot tests, along with recommendations for modifications to the system, if needed.

Quarterly groundwater sampling was conducted the week of June 18. A total of five monitoring wells were sampled: MW13, MW26, MW18, MW14, and MW2. One hundred gallons of oil/water were removed from MW18 during purging.

Erosion repair activities continued this reporting period. Following the period of heavy rainfall, additional gabion and stormwater drainage channel repairs were needed. The additional work is within the scope and budget of the approved memorandum/cost estimate (April 30, 2001). During this reporting period, WRS conducted the following work:

- Removed and rebuilt two tiers of gabion baskets on the western stormwater downchute
- Performed general site cleanup following the storm
- Dismantled fencing in areas damaged by the storm event and along the eastern perimeter of the CAMU to facilitate installation of two new entrances for equipment access
- Excavated soil that had filled in sedimentation basins in the wetland area and at the crest of each gabion downchute
- Partially excavated the wetland
- Rebuilt drainage channels that had been silted over along the CAMU perimeter and within the wetland area
- Regraded the access road along the western downchute
- Re-seeded and placed additional erosion control matting in the wetland area and sections of the CAMU cover

- Constructed a riprap-lined drainage channel along the east edge of the access road (from the entrance to the treatment building) to divert surface water drainage away from the building

On June 15, CH2M HILL submitted a technical memorandum regarding groundwater sampling results and evaluation to USEPA and WDNR. The memorandum included results from the December 2000 and April 2001 sampling events.

Summary of Project Status						
Task No./ Code	Planned Start	Actual Start	Planned Completion	Actual Completion	Percent Complete	Schedule Variance
1-PP	09/30/00	09/30/00	9/29/03		68	
3-DU	09/30/00	09/30/00	9/29/03		225	
4-PB	09/30/00	09/30/00	9/29/03		230	
7-CV	09/30/00	09/30/00	9/29/03		30	
8-AI	09/30/00	09/30/00	9/29/03		750	
9-PJ	09/30/00	09/30/00	9/29/03		65	
11-CO	08/01/03		9/29/03		0	

2. Problems Resolved

An adjustment to the base fee provisional rate is included with this month's invoice, correcting the rate for all LOE hours charged to date during the first option period from \$2.88 to \$3.26 per LOE hour.

3. Problem Areas and Recommended Solutions

None.

4. Deliverables Submitted

None.

5. Activities Planned Next Reporting Period

The results of both the carbon pilot test and the dissolved air flotation (DAF) research will be presented in a technical memorandum, and in a meeting or conference call.

6. Key Personnel Changes

None.

7. Subcontractor Services

Earthworks:	WRS Infrastructure & Environmental Inc.
Drilling:	Davidson Environmental
Bioventing/Groundwater Treatment:	Dakota Intertek Corp.
OWS Bypass:	Carbonair

8. Travel

Travel for Dave Shekoski dated April 22 – 27 was reported in the April Technical Status Report.

Wojciech Winkler traveled to the site on May 13 to provide construction management activities. He returned home on June 5.

Travel for Gina Bayer on May 21 – 22 was reported in last month's Technical Status Report.

Ike Johnson traveled to the site on May 31 for a construction completion meeting.

Bill Andrae, Paul Arps and Steve Beck traveled to the site on June 18 to conduct quarterly groundwater sampling. They returned on June 20. Gina Bayer traveled to the site on June 18 to assist with groundwater sampling and construction management, returning home on June 20.

Jeff Meerdink traveled to the site on June 19 to provide geotechnical support, and he returned home on June 21. He revisited to the site on June 26 to observe the progress of the earthwork subcontractor, and returned home on June 27. Travel charges will be invoiced during the next reporting period.

9. Laboratories

PEL Laboratory analyzed water samples.

10. Project Performance

Despite an F3-class tornado hitting the site, the Village of Siren, and the surrounding area, CH2M HILL was able to complete the quarterly groundwater sampling on time. CH2M HILL and the earthwork subcontractor also volunteered much-needed assistance to a neighboring resident in poor health whose yard and house suffered severe damage as a result of the tornado. This has created good public relations for USEPA, CH2M HILL, and WRS with the local community.

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RAC V TECHNICAL STATUS REPORT
June 30, 2001 to July 27, 2001

WORK ASSIGNMENT NUMBER: 101-RALR-05WE
SITE NAME: Penta Wood Products-OU 1, WI
ACTIVITY: Long-Term Response Action
CH2M HILL JOB NUMBER: 159815
PREPARED BY: Regina Bayer, Site Manager
 Bill Andrae, Assistant Site Manager
PERIOD ENDING: July 27, 2001

COPIES: WAM: Tony Rutter, USEPA, Region 5
 PM: Isaac H. Johnson, CH2M HILL, Milwaukee, WI
 RTL: Phil Smith, CH2M HILL, Milwaukee, WI
 WDNR: Tom Kendzierski, WDNR, Spooner, WI
 WDNR: Dave Hantz, WDNR, Madison, WI
 WDNR: Pete Prusak, WDNR, Cumberland, WI

1. Progress Made This Reporting Period

Treatment Plant. The groundwater treatment system continued to operate during the reporting period, treating and discharging approximately 0.99 million gallons of groundwater. Final PCP analytical results received during this reporting period are summarized in the following table:

Date Sampled	Sample ID	Sample Location	Final PCP Concentration (µg/L)
06/21/2001	01CB08-75	System Effluent	0.24
06/27/2001	01CB08-76	System Effluent	0.68
06/27/2001	01CB08-77	System Influent	8,860
07/05/2001	01CB08-79	System Effluent	0.86
07/12/2001	01CB08-81	System Effluent	Pending
07/26/2001	01CB08-86	System Effluent	Pending

The effluent PCP concentrations were less than 1 µg/L, but the system was being operated at only 40 to 55 gpm. Quarterly treatment plant sampling results are shown in the following table. Except for PCP, all analytical parameters were below the discharge criteria.

Parameter	Limit Type	Limits & Units	Sample Frequency	Analytical Result
pH Field		su	Quarterly	
Total Suspended Solids (TSS)		mg/L	Quarterly	<4
Chloride		mg/L	Quarterly	41
Diesel Range Organics (DRO)		mg/L	Monthly	<1.0
Total Organic Carbon (TOC)		mg/L	Monthly	8.35
1,3,5-Trimethylbenzene		µg/L	Quarterly	<5
1,2,4-Trimethylbenzene		µg/L	Quarterly	<5
Total Trimethylbenzene		µg/L	Quarterly	<10
Dioxin (2,3,7,8 TCDD)	Monthly Average	0.000003 µg/L	Quarterly	<0.0000022
Phenol		µg/L	Monthly	<5.2
Naphthalene	Monthly Average	8.0 µg/L	Monthly	<5.2
Benzene	Monthly Average	0.5 µg/L	Quarterly	0.12*
Ethylbenzene		µg/L	Quarterly	<5
Toluene		µg/L	Quarterly	1.9
Xylene		µg/L	Quarterly	<5
Arsenic, Total Recoverable	Monthly Average	5.0 µg/L	Quarterly	1.3
Copper, Total Recoverable		µg/L	Quarterly	25
Zinc, Total Recoverable		µg/L	Quarterly	191
Iron, Total Recoverable		µg/L	Quarterly	<25
Manganese, Total Recoverable		µg/L	Quarterly	2,020
* Nondetect due to blank contamination.				

On July 12, a sample of the precipitate fouling the organoclay media bed was collected and submitted for testing. The sample was analyzed for total organic carbon, oil and grease, and metals in an effort to determine the source of the precipitate. The differential pressure across the organoclay finally reached a point where routine maintenance of the media bed was ineffective in reducing the pressure and an organoclay changeout was scheduled and completed on July 24. The system was restarted on July 25.

An area-wide power outage occurred on July 9. Power was not restored until July 12. On July 18, lightning struck the site and blew two fuses in the PLC panel and damaged the pressure transducer in Well No. 11 and the leak detection system panel. The level transmitter for the free product storage tank also needs to be reset. The fuses were replaced and the system was restarted on July 23 and

the leak detection panel was removed and sent to the manufacturer for repair on July 27.

On July 9, CH2M HILL submitted a technical memorandum discussing the pilot-scale carbon test, the dissolved air flotation (DAF) bench-scale test, and other options regarding the treatment system. On July 20, CH2M HILL received approval from the USEPA for further investigation.

Further investigation will include jar testing to identify different flocculants and coagulants. After jar testing is complete, additional bench-scale DAF testing will be conducted. The results of these final investigations will be presented to the USEPA and WDNR for review along with recommendations for system modifications or upgrades.

Erosion Repair and Site Maintenance. The earthworks subcontractor WRS completed erosion repair activities on June 30. A Request for Contracting Officer Approval of the Change Order was submitted to the USEPA on July 27, for a change order total of \$205,693.92.

Minimal fence repair is still needed after the tornado. CH2M HILL is pursuing this work directly with Century Fencing.

On July 24, CH2M HILL received WAF Revision No. 6, increasing the expenditure limit to the approved budget.

Summary of Project Status						
Task No./ Code	Planned Start	Actual Start	Planned Completion	Actual Completion	Percent Complete	Schedule Variance
1-PP	09/30/00	09/30/00	9/29/03		80	
3-DU	09/30/00	09/30/00	9/29/03		240	
4-PB	09/30/00	09/30/00	9/29/03		285	
7-CV	09/30/00	09/30/00	9/29/03		45	
8-AI	09/30/00	09/30/00	9/29/03		78	
9-PJ	09/30/00	09/30/00	9/29/03		78	
11-CO	08/01/03		9/29/03		0	

2. Problems Resolved

None.

3. Problem Areas and Recommended Solutions

The work assignment budget is approximately 70 percent spent. A Work Plan Revision Request is planned to incorporate modifications and changes that have occurred, but it is being delayed until decisions are made on plant modifications.

4. Deliverables Submitted

On July 9, CH2M HILL submitted a technical memorandum discussing the analysis of the pilot-scale carbon study, the DAF unit proposal, and additional investigation tasks.

5. Activities Planned Next Reporting Period

Continue with routine system operation. Perform polymer jar testing and DAF testing and prepare a report summarizing the findings and recommendations.

A technical memorandum and photographs of the erosion repair, site maintenance, and tree planting activities will be submitted July 30.

6. Key Personnel Changes

None.

7. Subcontractor Services

Earthworks:	WRS Infrastructure & Environmental Inc.
Drilling:	Davidson Environmental
Bioventing/Groundwater Treatment:	Dakota Intertek Corp.
OWS Bypass:	Carbonair

8. Travel

Travel for Chris Liethen was reported in the April Technical Status Report.

Travel for Jeff Meerdink on June 19-21 and June 26 -27 was reported in last month's Technical Status Report.

9. Laboratories

PEL Laboratory analyzed water samples.

10. Project Performance

CH2M HILL found multiple vendors willing to visit the site and perform jar testing with flocculants and coagulants for free. CH2M HILL also arranged for Salt Creek Technologies to perform additional DAF bench-scale tests for free.

RAC V TECHNICAL STATUS REPORT

July 28, 2001 to August 31, 2001

RECEIVED
DNR SPOONER

'01 SEP 28 AM 11 07

WORK ASSIGNMENT NUMBER: 101-RALR-05WE

SITE NAME: Penta Wood Products-OU 1, WI

ACTIVITY: Long-Term Response Action

CH2M HILL JOB NUMBER: 159815

PREPARED BY: Regina Bayer, Site Manager
Bill Andrae, Assistant Site Manager

PERIOD ENDING: August 31, 2001

COPIES: WAM: Tony Rutter, USEPA, Region 5
PM: Isaac H. Johnson, CH2M HILL, Milwaukee, WI
RTL: Phil Smith, CH2M HILL, Milwaukee, WI
WDNR: Tom Kendzierski, WDNR, Spooner, WI
WDNR: Dave Hantz, WDNR, Madison, WI
WDNR: Pete Prusak, WDNR, Cumberland, WI

1. Progress Made This Reporting Period

Treatment Plant. The groundwater treatment system continued to operate during the reporting period, treating and discharging approximately 1.9 million gallons of groundwater. Final PCP analytical results received during this reporting period are summarized in the following table:

Date Sampled	Sample ID	Sample Location	Final PCP Concentration ($\mu\text{g/L}$)
07/12/2001	01CB08-81	System Effluent	0.32J
07/26/2001	01CB08-86	System Effluent	2.5
08/02/2001	01CB08-87	System Effluent	9.4
08/08/2001	01CB08-88	System Effluent	32
08/08/2001	01CB08-89	System Influent	9,910
08/15/2001	01CB08-93	System Effluent	123
08/23/2001	01CB28-01	System Effluent	Pending
08/29/2001	01CB28-03	System Influent	Pending
08/29/2001	01CB28-04	System Effluent	Pending

Since the organoclay changeout on July 24, the system flow rate has averaged approximately 60 gpm. An increase in the effluent PCP concentration is expected with the increased groundwater flow rate. The increase is most likely due to factors described previously in a technical memorandum submitted on July 9. During the week of August 13, the wells and the LNAPL product pumps were run for a short period to produce wastestreams for the jar test and DAF unit

studies (described below). This activity may explain the effluent concentration of 123 µg/L on August 15. Monthly treatment plant sampling results are given in the following table. Except for PCP, all analytical results were below the discharge criteria. The reported method detection limit for 2,3,7,8-TCDD is slightly above the discharge limit value of 0.000003 µg/l due to matrix interference.

Parameter	Limit Type	Limits & Units	Sample Frequency	Analytical Result
pH Field		su	Quarterly	7.0
Total Suspended Solids (TSS)		mg/L	Quarterly	<4.0
Chloride		mg/L	Quarterly	42
Diesel Range Organics (DRO)		mg/L	Monthly	<1.0
Total Organic Carbon (TOC)		mg/L	Monthly	5.7
1,3,5-Trimethylbenzene		µg/L	Quarterly	<5
1,2,4-Trimethylbenzene		µg/L	Quarterly	<5
Total Trimethylbenzene		µg/L	Quarterly	<10
Dioxin (2,3,7,8 TCDD)	Monthly Average	0.000003 µg/L	Quarterly	<0.0000045
Phenol		µg/L	Monthly	<5
Naphthalene	Monthly Average	8.0 µg/L	Monthly	<5
Benzene	Monthly Average	0.5 µg/L	Quarterly	<0.5
Ethylbenzene		µg/L	Quarterly	<5
Toluene		µg/L	Quarterly	<5
Xylene		µg/L	Quarterly	<5
Arsenic, Total Recoverable	Monthly Average	5.0 µg/L	Quarterly	0.68 J
Copper, Total Recoverable		µg/L	Quarterly	24 J
Zinc, Total Recoverable		µg/L	Quarterly	153
Iron, Total Recoverable		µg/L	Quarterly	125
Manganese, Total Recoverable		µg/L	Quarterly	2,360
J = estimated value, the reported value obtained was less than the reporting limit but greater than the method detection limit				

From August 13, 2000 through August 15, 2000, Keli McKenna/CH2M HILL met with two vendors onsite to perform jar testing to determine the optimal chemical dosages in a simulated coagulation-flocculation process. This testing was followed by an offsite dissolved air flotation (DAF) bench-scale test. The results of this testing will be presented in a forthcoming technical memorandum, and discussed with USEPA and WDNR at a meeting scheduled for September 13.

As described in last month's technical status report, a material has been accumulating in the treatment system. The origin and nature of the material is still under investigation. The material is "mayonnaise-like," but dark gray in color. Some analytical results on the material have been received to assist in determining whether the substance is organic or inorganic in nature. Preliminary results indicate that it is organic. Results for two additional tests are still pending.

Power outages occurred on August 1 and 2. On each occasion, power was restored on that day or the following day. At the end of the month of August, the pressure transducer in Well No. 11 was not functioning, and two additional transducers appear to have been malfunctioning. The leak detection system panel was sent back to the manufacturer for repair, and was reinstalled on August 8. At present, the leak detection system is functioning normally.

On August 28, a field crew from Onyx was onsite to remove waste generated from the organoclay changeout and routine system operation. A total of three supersacks filled with organoclay, two drums of bag filters/debris, and 11 drums of product from the free-product storage tank were sent offsite for disposal.

Erosion Repair and Site Maintenance. On August 20, CH2M HILL received approval from USEPA for the erosion repair and site maintenance change order work delivered by WRS.

Minimal fence repair is still needed following damage from the tornado. CH2M HILL is pursuing this work directly with Century Fencing.

Summary of Project Status						
Task No./ Code	Planned Start	Actual Start	Planned Completion	Actual Completion	Percent Complete	Schedule Variance
1-PP	09/30/00	09/30/00	9/29/03		80	
3-DU	09/30/00	09/30/00	9/29/03		240	
4-PB	09/30/00	09/30/00	9/29/03		320	
7-CV	09/30/00	09/30/00	9/29/03		45	
8-AI	09/30/00	09/30/00	9/29/03		80	
9-PJ	09/30/00	09/30/00	9/29/03		80	
11-CO	08/01/03		9/29/03		0	

2. Problems Resolved

None.

3. Problem Areas and Recommended Solutions

The work assignment budget is approximately 70 percent spent. A Work Plan Revision Request is planned to incorporate modifications and changes that have occurred, but it is being delayed until decisions can be made on plant modifications.

4. Deliverables Submitted

None.

5. Activities Planned Next Reporting Period

Routine system operation will continue. A report will be prepared summarizing the findings and recommendations of additional polymer jar testing and DAF testing.

The annual groundwater sampling event is scheduled for the week of September 10.

A technician from the company which manufactured the effluent flow meter will be on site the week of September 10 to perform minor maintenance to the flow meter.

A meeting is scheduled at the site for September 13 to discuss the testing CH2M HILL has been conducting, and to discuss proposed modifications to the treatment system to deal with the operational issues.

6. Key Personnel Changes

None.

7. Subcontractor Services

Earthworks:	WRS Infrastructure & Environmental Inc.
Drilling:	Davidson Environmental
Bioventing/Groundwater Treatment:	Dakota Intertek Corp.
OWS Bypass:	Carbonair

8. Travel

Keli McKenna traveled to the site on August 13-15, and traveled to Chicago to observe the DAF testing on August 20. Travel charges will be invoiced during the next reporting period.

9. Laboratories

PEL Laboratory analyzed water samples.

10. Project Performance

CH2M HILL was able to find multiple vendors willing to visit the site and perform jar testing with flocculants and coagulants at no charge. CH2M HILL has arranged for Salt Creek Technologies to perform additional DAF bench-scale tests at no charge.

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RAC V TECHNICAL STATUS REPORT

September 1, 2001 to September 28, 2001

WORK ASSIGNMENT NUMBER: 101-RALR-05WE

SITE NAME: Penta Wood Products-OU 1, WI

ACTIVITY: Long-Term Response Action

CH2M HILL JOB NUMBER: 159815

PREPARED BY: Regina Bayer, Site Manager
Bill Andrae, Assistant Site Manager

PERIOD ENDING: September 28, 2001



COPIES:

- WAM: Tony Rutter, USEPA, Region 5
- PM: Isaac H. Johnson, CH2M HILL, Milwaukee, WI
- RTL: Phil Smith, CH2M HILL, Milwaukee, WI
- WDNR: Tom Kendzierski, WDNR, Spooner, WI
- WDNR: Dave Hantz, WDNR, Madison, WI
- WDNR: Pete Prusak, WDNR, Cumberland, WI

1. Progress Made This Reporting Period

Treatment Plant. The groundwater treatment system continued to operate, treating and discharging approximately 0.59 million gallons of groundwater during the reporting period. Final PCP analytical results received during this reporting period are summarized in the following table:

Date Sampled	Sample ID	Sample Location	Final PCP Concentration (µg/L)
08/23/2001	01CB28-01	Effluent GAC2	124
08/29/2001	01CB28-03	System Influent	5,170
08/29/2001	01CB28-04	Effluent GAC2	277
09/05/2001	01CB28-06	Effluent GAC2	20
09/11/2001	01CB28-07	System Influent	6,200
09/11/2001	01CB28-08	Effluent GAC2	68
09/19/2001	01CB28-50	Effluent GAC2	23
09/26/2001	01CB28-51	Effluent GAC1	Pending
09/26/2001	01CB28-52	Effluent GAC2	Pending

Monthly treatment plant sampling results are given in the following table. Except for PCP, all analytical results were below the discharge criteria. Due to matrix interference, the reported method detection limit for 2,3,7,8-TCDD was slightly above the discharge limit value of 0.000003 µg/l.

Parameter	Limit Type	Limits & Units	Sample Frequency	Analytical Result
pH Field		su	Quarterly	7.0
Total Suspended Solids (TSS)		mg/L	Quarterly	<4.0
Chloride		mg/L	Quarterly	40
Diesel Range Organics (DRO)		mg/L	Monthly	<1.0
Total Organic Carbon (TOC)		mg/L	Monthly	5.6
1,3,5-Trimethylbenzene		µg/L	Quarterly	<5
1,2,4-Trimethylbenzene		µg/L	Quarterly	<5
Total Trimethylbenzene		µg/L	Quarterly	<10
Dioxin (2,3,7,8-TCDD)	Monthly Average	0.000003 µg/L	Quarterly	<0.0000035 J
Phenol		µg/L	Monthly	<5.2
Naphthalene	Monthly Average	8.0 µg/L	Monthly	<5.2
Benzene	Monthly Average	0.5 µg/L	Quarterly	<0.5
Ethylbenzene		µg/L	Quarterly	<5
Toluene		µg/L	Quarterly	<5
Xylene		µg/L	Quarterly	<5
Arsenic, Total Recoverable	Monthly Average	5.0 µg/L	Quarterly	1.1
Copper, Total Recoverable		µg/L	Quarterly	7.2 J
Zinc, Total Recoverable		µg/L	Quarterly	114
Iron, Total Recoverable		µg/L	Quarterly	<125
Manganese, Total Recoverable		µg/L	Quarterly	2,280
J = estimated value; the reported value obtained was less than the reporting limit but greater than the method detection limit				

On September 13, a meeting was held at the site to discuss free product and groundwater extraction system performance. CH2M HILL's recommendations for addressing performance and operations/maintenance problems were also discussed. In addition, a chemical supply vendor performed jar tests to demonstrate that the emulsion present in the influent groundwater may be broken.

The material accumulating in the bag filter housings and the organoclay vessel is primarily organic in nature, and may be weathered fuel oil. Because the material continues to accumulate, there has been an increased need for maintenance of the bag filters and organoclay. The material may be removed with the proposed pretreatment system (e.g., chemical coagulation/flocculation and dissolved air flotation).

The treatment system was shut down on September 27 after the effluent PCP results for September 11 and 19 were received. Effluent concentrations seem to indicate that the carbon media beds are exhausted and unable to adsorb additional organic loading. CH2M HILL is waiting for authorization from USEPA to perform a complete carbon changeout before the system is restarted.

Annual Groundwater Sampling Event. The annual groundwater sampling event was conducted during the week of September 10. Water and LNAPL levels were measured, and 18 monitoring wells and four residential wells were sampled. Because of the September 11 terrorist attacks, Federal Express (and all other shipping services) temporarily ceased operation, so the samples were held on ice during the sampling week. As the subcontracted laboratory PEL is located in Florida, a decision was made with the concurrence of the WAM and the WDNR project manager that the samples would be couriered or dropped off by CH2M HILL at the Wisconsin-certified laboratory, EnChem, in Madison, WI. A majority of the samples were picked up by an EnChem courier on September 13, and the remainder of the samples were dropped off in Madison by CH2M HILL on September 14.

On September 27, CH2M HILL received the preliminary PCP results from EnChem. The results showed that trace levels of PCP were present in three of the residential wells, and that a higher level was present in the fourth residential well. PCP was also detected in the equipment blank. The residential wells were immediately re-sampled on September 28. Two samples were collected per well (plus a duplicate on the well with the higher PCP level), with one sample per well sent to PEL for analysis, and one sample per well sent to EnChem. The PEL laboratory preliminary PCP residential well re-sample results were received on October 2. No PCP was detected in any residential well. EnChem re-sample results are pending.

Erosion Repair and Site Maintenance. On September 5, the sedimentation basin was cleaned and repaired.

Century Fencing repaired fence damage from the tornado, but they neglected to install the vehicle gate on the eastern side of the CAMU fence. Additionally, some of their work on the north gate at the bottom of the CAMU hill needs rework. CH2M HILL is pursuing these issues with Century Fencing.

Eighty white pine saplings, the majority of red pine seedlings, and some of the shrubs did not survive a 3-week period without rain that occurred late in the summer. WRS has been notified, and they will be replanting the dead trees and shrubs during the spring at their cost.

Summary of Project Status						
Task No./ Code	Planned Start	Actual Start	Planned Completion	Actual Completion	Percent Complete	Schedule Variance
1-PP	09/30/00	09/30/00	9/29/03		85	
3-DU	09/30/00	09/30/00	9/29/03		240	
4-PB	09/30/00	09/30/00	9/29/03		340	
7-CV	09/30/00	09/30/00	9/29/03		45	
8-AI	09/30/00	09/30/00	9/29/03		110	
9-PJ	09/30/00	09/30/00	9/29/03		85	
11-CO	08/01/03		9/29/03		0	

2. Problems Resolved

None.

3. Problem Areas and Recommended Solutions

The work assignment budget is approximately 90 percent spent. On September 27, CH2M HILL requested 200 additional LOE via e-mail. The additional LOE will be used as an interim budget while a Work Plan Revision Request (WPRR) is being prepared and reviewed. It is planned that the WPRR will be submitted after a modified SOW is received. The WPRR will incorporate modifications and changes that have occurred, as well as proposed plant modifications.

Change Order Status			
Change orders submitted by CH2M HILL to USEPA			
CO#1	WRS Infrastructure & Environment, Inc. – final quantity adjustments	\$169,909.90	Approved
CO#2	WRS Infrastructure & Environment, Inc. – erosion repair and maintenance	\$205,693.92	Approved
Total		\$375,603.82	

4. Deliverables Submitted

None.

5. Activities Planned Next Reporting Period

The system will remain shut down until the carbon and clay can be changed out. A WPRR will be submitted to USEPA.

6. Key Personnel Changes

None.

7. Subcontractor Services

Earthworks:	WRS Infrastructure & Environmental Inc.
Drilling:	Davidson Environmental
Bioventing/Groundwater Treatment:	Dakota Intertek Corp.
OWS Bypass:	Carbonair
Haz Waste Disposal:	Onyx

8. Travel

Travel for Keli McKenna on August 13 –15 and August 20 was reported in last month's Technical Status Report.

Paul Arps, Rob Stryker, and Keli McKenna traveled to the site on September 9 for the annual groundwater sampling event. Gina Bayer traveled to the site on September 10. They returned home on September 14.

Bill Andrae and Bob Weinschrott traveled to the site on September 12 for the Free Product and Groundwater Extraction System Meeting. They returned to Milwaukee on September 13. Travel charges for Bob Weinschrott will be invoiced during the next reporting period.

Phil Smith traveled to the site on September 13 for the Free Product and Groundwater Extraction System Meeting. He returned to Milwaukee on September 13.

Rob Stryker was in Siren on September 28 volunteering at a Habitat for Humanity house building effort. Taking time off from his volunteer efforts to help collect the residential samples, he drove the samples to Minneapolis Federal Express on Friday evening, September 28. Travel charges for driving from Siren to Minneapolis and back to Siren will be invoiced during the next reporting period.

9. Laboratories

PEL Laboratory analyzed treatment system water samples.

Due to the nationwide shutdown of air travel during the week of September 10, the groundwater samples were sent to EnChem Laboratory in Madison, WI so holding times for some analytes could be met.

10. Project Performance

CH2M HILL was able to find multiple vendors willing to visit the site and perform jar testing with flocculants and coagulants at no charge. CH2M HILL has arranged for Salt Creek Technologies to perform additional DAF bench-scale tests at no charge.

When preliminary residential well samples showed detections of PCP, CH2M HILL acted quickly, having fresh bottles delivered to the site and re-sampling the residential wells the following day.

Received 11/23/01
WPS. - DNR

RAC V TECHNICAL STATUS REPORT

September 29, 2001 to October 26, 2001

WORK ASSIGNMENT NUMBER: 101-RALR-05WE

SITE NAME: Penta Wood Products-OU 1, WI

ACTIVITY: Long-Term Response Action

CH2M HILL JOB NUMBER: 159815

PREPARED BY: Regina Bayer, Site Manager
Bill Andrae, Assistant Site Manager

PERIOD ENDING: October 26, 2001

COPIES: WAM: Tony Rutter, USEPA, Region 5
PM: Isaac H. Johnson, CH2M HILL, Milwaukee, WI
RTL: Phil Smith, CH2M HILL, Milwaukee, WI
WDNR: Bill Schultz, WDNR, Rhinelander, WI
WDNR: Dave Hantz, WDNR, Madison, WI
WDNR: Pete Prusak, WDNR, Cumberland, WI

1. Progress Made This Reporting Period

Treatment Plant. The groundwater treatment system has remained shut down since September 27. Effluent concentrations seem to indicate that the carbon media beds are exhausted and unable to adsorb additional organic loading. CH2M HILL is waiting for authorization from USEPA to perform a complete carbon changeout before the system is restarted. Final PCP analytical results received during this reporting period are summarized in the following table:

Date Sampled	Sample ID	Sample Location	Final PCP Concentration ($\mu\text{g/L}$)
09/26/2001	01CB28-51	Effluent GAC1*	3,990
09/26/2001	01CB28-52	Effluent GAC2**	61

*Effluent GAC1 sample location is between the two carbon vessels.

**Effluent GAC2 location is after the second carbon vessel.

Residential Wells. On September 27, CH2M HILL received the preliminary PCP results from EnChem. The results showed that trace levels of PCP were present in three of the residential wells, and that a higher level was present in the fourth residential well. PCP was also detected in the equipment blank. The residential wells were immediately re-sampled on September 28. Two samples were collected per well (plus a duplicate on the well with the higher PCP level), with one sample per well sent to PEL for analysis, and one sample per well sent to EnChem. The PEL laboratory preliminary PCP residential well re-sample results were received on October 2. No PCP was detected in any residential well.

Preliminary re-sample results from EnChem were received on October 8. No PCP was detected in the samples sent to EnChem.

Erosion Repair and Site Maintenance. The sedimentation basin located at the top of the eastern gabion downchute was cleaned out. A minor blowout located at the top of the slope on the eastern portion of the site toward MW1 was repaired. Large pieces of debris entangled in the woods from the tornado have been removed and are awaiting pickup from BFI. Century Fence was onsite to replace sections of fence damaged from the tornado or removed during erosion repairs. Wildflower seeds were planted.

Tornado-damaged trees located adjacent to the Helene property on the northeast section of the site were removed by the logging company cleaning up the Helene property. Helene had received permission from Vern Lundequam, who represents the PentaWood property.

Project Management. On October 2, CH2M HILL received WAF Revision No. 8, SOW Revision No. 1 from the USEPA, which requested a Work Plan Revision Request (WPRR). CH2M HILL submitted the WPRR, which included a pilot test, plant modification design, construction, and management, on October 15. The WPRR also included a request for additional LOE and funds to adjust the operating budget for the site based on actual conditions and costs experienced during the first year of operation.

On October 11, CH2M HILL received WAF Revision No. 9, which increased the expenditure LOE by 200 hours.

Summary of Project Status						
Task No./ Code	Planned Start	Actual Start	Planned Completion	Actual Completion	Percent Complete	Schedule Variance
1-PP	09/30/00	09/30/00	9/29/03		89	
3-DU	09/30/00	09/30/00	9/29/03		240	
4-PB	09/30/00	09/30/00	9/29/03		360	
7-CV	09/30/00	09/30/00	9/29/03		50	
8-AI	09/30/00	09/30/00	9/29/03		110	
9-PJ	09/30/00	09/30/00	9/29/03		90	
11-CO	08/01/03		9/29/03		0	

2. Problems Resolved

A SOW was received, and a WPRR was submitted.

3. Problem Areas and Recommended Solutions

The plant is shut down until a carbon change-out is completed.

Change Order Status			
Change orders submitted by CH2M HILL to USEPA			
CO#1	WRS Infrastructure & Environment, Inc. – final quantity adjustments	\$169,909.90	Approved
CO#2	WRS Infrastructure & Environment, Inc. – erosion repair and maintenance	\$205,693.92	Approved
Total		\$375,603.82	

4. Deliverables Submitted

A WPRR was submitted on October 15, 2001.

5. Activities Planned Next Reporting Period

The system will remain shut down until the carbon and clay can be changed out. September sampling analytical results will be forwarded to the USEPA for validation as they are received. A technical memorandum will be submitted summarizing monitoring well results over the first year of operation.

6. Key Personnel Changes

None.

7. Subcontractor Services

Earthworks:	WRS Infrastructure & Environmental Inc.
Drilling:	Davidson Environmental
Bioventing/Groundwater Treatment:	Dakota Intertek Corp.
OWS Bypass:	Carbonair
Haz Waste Disposal:	Onyx

8. Travel

Rob Stryker was in Siren on September 28 volunteering at a Habitat for Humanity house building effort. Taking time off from his volunteer efforts to help collect the residential samples, he drove the samples to Minneapolis Federal Express on Friday evening, September 28.

9. Laboratories

PEL Laboratory analyzed treatment system water samples and residential well samples.

EnChem Laboratory analyzed residential well and monitoring well samples.

10. Project Performance

CH2M HILL was able to find multiple vendors willing to visit the site and perform jar testing with flocculants and coagulants at no charge. CH2M HILL has arranged for Salt Creek Technologies to perform additional DAF bench-scale tests at no charge.

When preliminary residential well samples showed detections of PCP, CH2M HILL acted quickly, having fresh bottles delivered to the site and re-sampling the residential wells the following day.

RAC V TECHNICAL STATUS REPORT

October 27, 2001 to November 30, 2001

WORK ASSIGNMENT NUMBER: 101-RALR-05WE

SITE NAME: Penta Wood Products-OU 1, WI

ACTIVITY: Long-Term Response Action

CH2M HILL JOB NUMBER: 159815

PREPARED BY: Regina Bayer, Site Manager
Bill Andrae, Assistant Site Manager

PERIOD ENDING: November 30, 2001

COPIES: WAM: Tony Rutter, USEPA, Region 5
PM: Isaac H. Johnson, CH2M HILL, Milwaukee, WI
RTL: Phil Smith, CH2M HILL, Milwaukee, WI
WDNR: Bill Schultz, WDNR, Rhinelander, WI
WDNR: Dave Hantz, WDNR, Madison, WI
WDNR: Pete Prusak, WDNR, Cumberland, WI

1. Progress Made This Reporting Period

On November 1, CH2M HILL received comments from USEPA on *WPRR No. 1*. *WPRR No. 1* includes the pilot testing, design, and plant construction to add a DAF unit to the groundwater treatment plant, as well as an operations budget. CH2M HILL submitted responses to the comments by noon on November 6, as requested. A conference call was held on November 15 to discuss the responses, and a revised *WPRR No. 1* was submitted to USEPA on November 20.

The groundwater treatment system has remained shut down since September 27. Effluent concentrations indicate that the carbon media beds are exhausted and unable to adsorb additional organic loading. During this reporting period, USEPA discovered that there is presently no budget for this site in 2002 beyond the existing expenditure limit and an additional \$400,000 funds that were requested under emergency funding. After discussions with the WDNR and CH2M HILL, the WAM has decided the plant will remain shutdown through the winter, and likely into the spring. CH2M HILL has begun discussing the steps necessary to "winterize" the plant.

During this reporting period, Century Fence finalized their fence work at the site (adding a vehicle gate on the east side of the CAMU and repairing poor work performed previously at the bottom of the CAMU). The AlarmWorks system went down, and was repaired a few days later by the plant operator.

Summary of Project Status						
Task No./ Code	Planned Start	Actual Start	Planned Completion	Actual Completion	Percent Complete	Schedule Variance
1-PP	09/30/00	09/30/00	9/29/03		100	
3-DU	09/30/00	09/30/00	9/29/03		240	
4-PB	09/30/00	09/30/00	9/29/03		375	
7-CV	09/30/00	09/30/00	9/29/03		50	
8-AI	09/30/00	09/30/00	9/29/03		110	
9-PJ	09/30/00	09/30/00	9/29/03		95	
11-CO	08/01/03		9/29/03		0	

2. Problems Resolved

None.

3. Problem Areas and Recommended Solutions

The proposed strategy consists of keeping the plant shut down until after the April groundwater sampling event and any spring erosion effects have been determined. If there are no groundwater containment problems or costly erosion repairs needed, the pilot tests may be authorized, and then possibly the design for the DAF unit, depending upon remaining available funds. Prior to startup of the pilot tests, the carbon and clay vessels would be changed out. The treatment plant would operate during the pilot tests.

Change Order Status			
Change orders submitted by CH2M HILL to USEPA			
CO#1	WRS Infrastructure & Environment, Inc. – final quantity adjustments	\$169,909.90	Approved
CO#2	WRS Infrastructure & Environment, Inc. – erosion repair and maintenance	\$205,693.92	Approved
Total		\$375,603.82	

4. Deliverables Submitted

The revised *WPRR No. 1* was submitted on November 20, 2001.

5. Activities Planned Next Reporting Period

The system will remain shut down. September sampling analytical results will be forwarded to the USEPA for validation when the full package has been received. A technical memorandum will be submitted summarizing monitoring well results over the first year of operation.

6. Key Personnel Changes

None.

7. Subcontractor Services

Earthworks:	WRS Infrastructure & Environmental Inc.
Drilling:	Davidson Environmental
Bioventing/Groundwater Treatment:	Dakota Intertek Corp.
OWS Bypass:	Carbonair
Haz Waste Disposal:	Onyx

8. Travel

Travel for Bob Weinschrott on September 12-13 was reported in the September Technical Status Report.

9. Laboratories

PEL Laboratory and EnChem Laboratory provided analytical services for the September sampling round.

10. Project Performance

CH2M HILL responded in a timely manner to the WPRR comments, and promptly resubmitted the WPRR after the conference call. Only minor changes were needed for the text, allowing revision pages and new financials to suffice.

RAC V TECHNICAL STATUS REPORT

December 1, 2001 to December 28, 2001

WORK ASSIGNMENT NUMBER: 101-RALR-05WE
SITE NAME: Penta Wood Products-OU 1, WI
ACTIVITY: Long-Term Response Action
CH2M HILL JOB NUMBER: 159815
PREPARED BY: Regina Bayer, Site Manager
Bill Andrae, Assistant Site Manager
PERIOD ENDING: December 28, 2001
COPIES: WAM: Tony Rutter, USEPA, Region 5
PM: Isaac H. Johnson, CH2M HILL, Milwaukee, WI
RTL: Phil Smith, CH2M HILL, Milwaukee, WI
WDNR: Bill Schultz, WDNR, Rhinelander, WI
WDNR: Dave Hantz, WDNR, Madison, WI
WDNR: Pete Prusak, WDNR, Cumberland, WI

1. Progress Made This Reporting Period

Cost accounting standard (CAS) adjustments have been processed during this reporting period.

On December 3, CH2M HILL forwarded groundwater analytical results to Dennis Wesolowski/USEPA for data validation. On December 4, CH2M HILL submitted the *Post-RA Groundwater Sampling Results, June 2001 and September 2001 Sampling Events, Penta Wood Products Site* technical memorandum to the USEPA.

Summary of Project Status						
Task No./ Code	Planned Start	Actual Start	Planned Completion	Actual Completion	Percent Complete	Schedule Variance
1-PP	09/30/00	09/30/00	9/29/03		100	
3-DU	09/30/00	09/30/00	9/29/03		240	
4-PB	09/30/00	09/30/00	9/29/03		375	
7-CV	09/30/00	09/30/00	9/29/03		50	
8-AI	09/30/00	09/30/00	9/29/03		110	
9-PJ	09/30/00	09/30/00	9/29/03		95	
11-CO	08/01/03		9/29/03		0	

On December 14, the WAM informed CH2M HILL that additional funding would be forthcoming in 2002 for the site, and the pilot test could proceed when the Work Assignment Form (WAF) was received. In preparation for the pilot test, authorization was given to change out the clay and carbon vessels. CarbonAir

was onsite December 18-21 to change out the activated clay and two carbon vessels, and the small pilot test vessels used previously for the resin test. They produced 24 bags of waste to be picked up and disposed of offsite. Onyx was scheduled for a pick-up.

2 Problems Resolved

None.

3. Problem Areas and Recommended Solutions

None.

Change Order Status			
Change orders submitted by CH2M HILL to USEPA			
CO#1	WRS Infrastructure & Environment, Inc. – final quantity adjustments	\$169,909.90	Approved
CO#2	WRS Infrastructure & Environment, Inc. – erosion repair and maintenance	\$205,693.92	Approved
Total		\$375,603.82	

4. Deliverables Submitted

On December 4, CH2M HILL submitted the *Post-RA Groundwater Sampling Results, June 2001 and September 2001 Sampling Events, Penta Wood Products Site* technical memorandum to the USEPA.

5. Activities Planned Next Reporting Period

Upon receipt of the WAF authorizing the pilot test, CH2M HILL will commence pilot test set-up activities.

6. Key Personnel Changes

None.

7. Subcontractor Services

Earthworks:	WRS Infrastructure & Environmental Inc.
Drilling:	Davidson Environmental
Bioventing/Groundwater Treatment:	Dakota Intertek Corp.
OWS Bypass:	Carbonair
Haz Waste Disposal:	Onyx

8. Travel

None.

9. Laboratories

PEL Laboratory and EnChem Laboratory provided analytical services for the September sampling round.

10. Project Performance

CH2M HILL project chemist, Paul Arps, has worked diligently with the USEPA sample tracking/data validation group to replace misplaced data that was sent to and signed for previously by USEPA.