

RAC V TECHNICAL STATUS REPORT

December 28, 2002 to January 31, 2003

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: January 31, 2003
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

The following onsite building construction activities occurred under subcontractor 10 Construction, Inc. (a member of the Jansen Group) during this reporting period:

- Roof and interior walls installed.
- Interior painting completed.
- Outside trim work is ongoing.

A job progress meeting was held at the site on January 21. Most items were approved as installed. A punch list was developed to address items not yet completed. It was agreed that the painter would delay exterior painting until April, when he will return to paint eight roll-up door jams and eight pipe bollards.

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		93	
3-DU	09/30/00	09/30/00	9/29/03		95	
4-PB	09/30/00	09/30/00	9/29/03		90	
5-MS	05/20/02	05/20/02	05/20/03		240	
6-RI	09/30/02	10/14/02	04/01/03		40	
7-CV	09/30/00	09/30/00	9/29/03		85	
8-AI	09/30/00	09/30/00	9/29/03		60	
9-PJ	09/30/00	09/30/00	9/29/03		75	
11-CO	08/01/03		9/29/03		0	

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

None.

5. Activities Planned Next Reporting Period

Pending weather conditions, with the exception of exterior painting, construction of the new treatment building is expected to be completed during the next reporting period. Exterior painting will be performed in the spring.

A final inspection will be conducted at the site on February 20.

6. Key Personnel Changes

None.

7. Subcontractor Services

Earthworks:	WRS Infrastructure & Environment, Inc. and Darcy Brust Excavating
Drilling:	Davidson Environmental
Bioventing/Groundwater Treatment:	Dakota Intertek Corp.
OWS Bypass:	Carbonair
Haz Waste Disposal:	Onyx
Building Construction:	The Jansen Group (10 Construction, Inc.)

8. Travel

Del Lange traveled to the site on January 20 for the January 21 job progress meeting. He departed the site on January 21. Travel charges will be invoiced during the next reporting period.

9. Laboratories

PDC Laboratory provides analytical services for groundwater sampling. They are a Wisconsin-certified laboratory.

10. Project Performance

The walls and the floors are being erected with caution due to adverse weather conditions. Several employee safety precautions are being taken. If weather conditions at the site become too windy or too cold, work is halted until weather conditions improve.

RAC V TECHNICAL STATUS REPORT

February 1, 2003 to February 28, 2003

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 28, 2003
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

The construction work for the pretreatment building was completed. The final inspection, conducted by Bill Andrae/CH2M HILL and Bill Schultz/WDNR, was held on February 20. A final construction punch list was developed to address items not yet completed. With the exception of exterior painting, all of the outstanding items were completed on February 27, 2003. It was agreed that the painter would delay exterior painting until April, when he is expected return to paint eight roll-up door jams and eight pipe bollards.

CH2M HILL provided technical assistance to USEPA and the WDNR regarding the installation of a new drinking water well on the Brethorst property located adjacent to the Penta Wood Site.

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		93	
3-DU	09/30/00	09/30/00	9/29/03		95	
4-PB	09/30/00	09/30/00	9/29/03		90	
5-MS	05/20/02	05/20/02	05/20/03		240	
6-RI	09/30/02	10/14/02	04/01/03		40	
7-CV	09/30/00	09/30/00	9/29/03		85	
8-AI	09/30/00	09/30/00	9/29/03		60	
9-PJ	09/30/00	09/30/00	9/29/03		75	
11-CO	08/01/03		9/29/03		0	

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

A memorandum documenting the final inspection of the pretreatment building was submitted to USEPA on February 28.

5. Activities Planned Next Reporting Period

CH2M HILL will begin the procurement activities for the pretreatment equipment upon approval by USEPA.

6. Key Personnel Changes

None.

7. Subcontractor Services

Earthworks:	WRS Infrastructure & Environment, Inc. and Darcy Brust Excavating
Drilling:	Davidson Environmental
Bioventing/Groundwater Treatment:	Dakota Intertek Corp.
OWS Bypass:	Carbonair
Haz Waste Disposal:	Onyx
Building Construction:	The Jansen Group (10 Construction, Inc.)

8. Travel

Travel for Del Lange on January 20 was reported in last month's Technical Status Report.

Bill Andrae traveled to the Penta Wood Site on February 20 and returned the same day. Travel charges will be invoiced during the next reporting period.

9. Laboratories

PDC Laboratory provides analytical services for groundwater sampling. They are a Wisconsin-certified laboratory.

10. Project Performance

The pretreatment building was completed in a timely manner despite the walls and the floors being erected with caution due to adverse weather conditions. Several employee safety precautions were taken. If weather conditions at the site became too windy or too cold, work was halted until weather conditions improved.

RAC V TECHNICAL STATUS REPORT

March 1, 2003 to March 28, 2003

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 28, 2003
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

CH2M HILL began procurement activities for the pretreatment system construction during this reporting period. Solicitation No. 282, Bioventing/Groundwater Treatment Facility Modifications, was completed on March 28. A draft construction schedule was prepared which showed that construction is expected to be completed during October 2003.

On March 24, the WAM and SM discussed funding needs and a Work Plan Revision Request (WPRR). The SM prepared a rough cost estimate for CH2M HILL and subcontractor costs for construction and start-up, and e-mailed them to the WAM.

On March 26, a laboratory analytical services solicitation was sent to three WDNR-certified analytical firms to procure a laboratory.

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		93	
3-DU	09/30/00	09/30/00	9/29/03		95	
4-PB	09/30/00	09/30/00	9/29/03		90	
5-MS	05/20/02	05/20/02	05/20/03		240	
6-RI	09/30/02	10/14/02	04/01/03		40	
7-CV	09/30/00	09/30/00	9/29/03		85	
8-AI	09/30/00	09/30/00	9/29/03		60	
9-PJ	09/30/00	09/30/00	9/29/03		75	
11-CO	08/01/03		9/29/03		0	

2. Problems Resolved

None.

3. Problem Areas and Recommended Solutions

The surety market for performance and payment bonds for Superfund sites has become substantially eroded under the pressure of recent market conditions. The following bullets explain the current circumstances of the surety market, and the steps which CH2M HILL has implemented to temper the risk created by the loss of performance and payment bonds:

- The ability of firms to obtain payment and performance bonds for Superfund Sites in the current bond market is extremely difficult. Several large bond carriers, such as Excel, Zurich, and Gulf, have stopped writing Superfund bonds altogether. Additional research suggests that a firm must hold a "major" account with an Insurance Company and the work to be performed at the Superfund Site must be minimal to even qualify to obtain a bond.
- The award selection for Solicitation No. 282 will be evaluated based on "Lowest Price Technically Acceptable" criteria. This means that for price to be considered, a firm must pass a technical evaluation to include a thorough evaluation of technical capability, business management, and health and safety criteria. Time and care will be exercised during the technical evaluation process to screen out those firms which do not meet the requirements of the solicitation.
- In lieu of a performance bond, to address performance risk, the Project Team proposes to provide additional construction management oversight and to closely monitor the performance of the subcontractor in the field. Further, the subcontract will contain a liquidated damages provision, should the subcontractor fail to perform in accordance with the subcontract.
- In lieu of a payment bond, to address payment risk, the subcontract will require certification of payment from the lead subcontractor. Such payment certification will be used to confirm that all lower-tier subcontractors have been paid for the previous month with the submission of the current month's invoice. If payment certification is not received, the payment for the current month will be withheld until certification is received verifying that all lower-tier subcontractors have been paid for the previous month. Additionally, the subcontract will stipulate that CH2M HILL shall reserve the right to request copies of all checks issued to lower-tier subcontractors and to contact lower-tier subcontractors. The Contract Administrator will closely monitor payment requests and certifications. Further, the Contract Administrator will require the lead subcontractor to submit all agreements with lower-tier subcontractors to CH2M HILL within a specified period of time following the execution of the subcontract. This will enable CH2M HILL to ensure that all applicable provisions, including payment provisions, have been incorporated into the lower-tier agreements.

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 draft construction schedule was submitted to USEPA on March 21.

5. Activities Planned Next Reporting Period

Solicitation No. 282 will be distributed on March 31, and a mandatory site visit will be held for interested subcontractors on April 8.

Weather permitting, the painting subcontractor for the new building will return to paint the eight roll-up door jams and eight pipe bollards during the next reporting period.

6. Key Personnel Changes

None.

7. Subcontractor Services

Earthworks:	WRS Infrastructure & Environment, Inc. and Darcy Brust Excavating
Drilling:	Davidson Environmental
Bioventing/Groundwater Treatment:	Dakota Intertek Corp.
OWS Bypass:	Carbonair
Haz Waste Disposal:	Onyx
Building Construction:	The Jansen Group (10 Construction, Inc.)

8. Travel

Travel for Bill Andrae was reported in last month's Technical Status Report.

9. Laboratories

PDC Laboratory provides analytical services for groundwater sampling. They are a Wisconsin-certified laboratory.

10. Project Performance

CH2M HILL was able to quickly respond to USEPA's instructions to begin the procurement activities for the pretreatment system construction. A potential bidder list that included small businesses, small disadvantaged businesses, and large firms was developed, and the listed firms were contacted for potential interest in the Penta Wood procurement. A final review of the solicitation package was conducted, and minor changes were made, including revision of the payment terms for the large pieces of equipment to back-end load payment, and replacement of the performance and payment bond requirements with other risk management methods, such as increasing liquidated damages and requiring proof of lower-tier subcontractor payments.

RAC V TECHNICAL STATUS REPORT

March 29, 2003 to April 25, 2003

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 25, 2003
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

CH2M HILL distributed Solicitation No. 282 for the pretreatment system construction to 11 firms on March 31. A mandatory pre-bid meeting was held at the site on April 8, which was attended by Bill Andrae and Matt Kluge from CH2M HILL and four firms interested in the project. Shortly after the pre-bid meeting, one firm declined to bid, which left three firms qualified to respond to the solicitation.

CH2M HILL staff have responded to numerous questions regarding the solicitation. Amendment No. 1 to Solicitation No. 282 was issued on April 25.

The analytical services subcontract was awarded to White Water Associates, Inc. of Amasa, Michigan. They are a Wisconsin-certified laboratory.

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		93	
3-DU	09/30/00	09/30/00	9/29/03		95	
4-PB	09/30/00	09/30/00	9/29/03		90	
5-MS	05/20/02	05/20/02	05/20/03		240	
6-RI	09/30/02	10/14/02	04/01/03		40	
7-CV	09/30/00	09/30/00	9/29/03		85	
8-AI	09/30/00	09/30/00	9/29/03		60	
9-PJ	09/30/00	09/30/00	9/29/03		75	
11-CO	08/01/03		9/29/03		0	

The SM notified the WAM that an adjoining property owner northeast of the site, whose land contains a wetland, sold their property to Mr. Ken Nelson, a property owner east of the site.

Preparations were made for the upcoming spring groundwater sampling event.

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

None.

5. Activities Planned Next Reporting Period

Weather permitting, the painting subcontractor for the new building will return to paint the eight roll-up door jams and eight pipe bollards during the next reporting period.

Amendment No. 2 to Solicitation No. 282 will be issued May 6 and bids for Solicitation No. 282 are due May 13.

Groundwater sampling is scheduled to occur the week of April 28.

6. Key Personnel Changes

None.

7. Subcontractor Services

Earthworks:	WRS Infrastructure & Environment, Inc. and Darcy Brust Excavating
Drilling:	Davidson Environmental
Bioventing/Groundwater Treatment:	Dakota Intertek Corp.
OWS Bypass:	Carbonair
Haz Waste Disposal:	Onyx
Building Construction:	The Jansen Group (10 Construction, Inc.)

8. Travel

Bill Andrae and Matt Kluge attended the pre-bid meeting at the site on April 8. The trip was made in 1 day.

9. Laboratories

PDC Laboratory provided analytical services for groundwater sampling in 2002. They are a Wisconsin-certified laboratory. The 2003 analytical services subcontract was awarded to White Water Associates, Inc., of Amasa, Michigan. They are a Wisconsin-certified laboratory.

10. Project Performance

A pre-bid meeting was held at the site. CH2M HILL invited a local electrician and the earthwork contractor to attend the meeting to facilitate relationship-building with the potential bidders.

CH2MHILL responded to numerous inquiries and questions from the potential bidders during this reporting period.

RAC V TECHNICAL STATUS REPORT

April 26, 2003 to May 30, 2003

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 30, 2003
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

CH2M HILL conducted semi-annual groundwater sampling at the site on April 28–30. Water levels were measured in all of the monitoring wells, and five monitoring wells and four residential wells were also sampled. The WAM, SM, Rob Stryker/CH2M HILL, and Brust Excavating met to discuss the new driveway and drainage around the treatment building.

On April 28, CH2M HILL received WAF Revision No. 13, which increased the expenditure limit LOE.

On May 13, CH2M HILL received three bids from offerors for the equipment installation solicitation. The bids were evaluated by a team consisting of technical, contracts, and health and safety personnel. CH2M HILL requested follow-up information from the bidders before proceeding to open the cost bid. The cost bids were opened on May 23. Clearwater is the apparent low bidder. A debriefing was held with Hard Hat on May 27; EFS declined the opportunity.

On May 19, CH2M HILL submitted an engineer's cost estimate and a scope of work description for the new driveway and drainage work to the WAM.

On May 29, CH2M HILL submitted WPRR No. 2 to USEPA.

The painting subcontractor for the new building returned and painted the eight roll-up door jams and eight pipe bollards.

Summary of Project Status						
Task No./ Code	Planned Start	Actual Start	Planned Completion	Actual Completion	Percent Complete	Schedule Variance
1-PP	9/30/00	9/30/00	9/29/03		93	
3-DU	9/30/00	9/30/00	9/29/03		95	
4-PB	9/30/00	9/30/00	9/29/03		90	
5-MS	5/20/02	5/20/02	5/20/03		240	
6-RI	9/30/02	10/14/02	4/01/03		40	
7-CV	9/30/00	9/30/00	9/29/03		85	
8-AI	9/30/00	9/30/00	9/29/03		60	
9-PJ	9/30/00	9/30/00	9/29/03		75	o
11-CO	8/01/03		9/29/03		0	

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 May 19, an engineer's cost estimate and a scope of work description for the new driveway and drainage work was submitted to the WAM. On May 29, WPRR No. 2 was submitted to USEPA.

5. Activities Planned Next Reporting Period

A request for CO consent for the equipment installation subcontractor will be submitted to USEPA. Upon receipt of USEPA approval, CH2M HILL will award the subcontract.

6. Key Personnel Changes

None.

7. Subcontractor Services

Earthworks:	WRS Infrastructure & Environment, Inc. and Darcy Brust Excavating
Drilling:	Davidson Environmental
Bioventing/Groundwater Treatment:	Dakota Intertek Corp.
OWS Bypass:	Carbonair
Haz Waste Disposal:	Onyx
Building Construction:	The Jansen Group (10 Construction, Inc.)

8. Travel

Dave Shekoski, Rob Stryker, and Steve Paukner traveled to the site from Milwaukee, Wisconsin on April 26 to conduct groundwater sampling. The three returned home on April 30. Gina Bayer traveled to the site from the Town of Menasha, Wisconsin on April 26 to conduct groundwater sampling. She returned home on April 30.

9. Laboratories

PDC Laboratory provided analytical services for groundwater sampling in 2002. They are a Wisconsin-certified laboratory. The 2003 analytical services subcontract was awarded to White Water Associates, Inc., of Amasa, Michigan. They are also a Wisconsin-certified laboratory. They will provide analytical services for the 2003 spring semi-annual sampling event.

10. Project Performance

An engineer was placed on the groundwater sampling team to meet with the excavation subcontractor to discuss the new driveway. This saved an extra trip to the site.

RAC V TECHNICAL STATUS REPORT

May 31, 2003 to June 27, 2003

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 27, 2003
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 June 2, CH2M HILL submitted the *Request for Consent to Award Subcontract to Clearwater Technologies for the Bioventing/Groundwater Treatment Facility Modifications* package USEPA for review and approval. On June 6, a conference call was held between USEPA and CH2M HILL to discuss the subcontract and the bids received. On June 19, CH2M HILL received approval from the USEPA to award the facility modification subcontract with Clearwater Technologies. A verbal Notice of Award was given to Clearwater Technologies that day, followed by a written Notice of Award on June 23. Clearwater Technologies submitted certificates of insurance, a list of lower-tier subcontractors, and the executed subcontract to CH2M HILL. CH2M HILL issued a Notice to Proceed to Clearwater Technologies on June 27.

With the WAM's approval, CH2M HILL subcontracted the site grading and drainage work for the new access road and drainage around the new building to Brust Excavating.

On June 6, CH2M HILL solicited drilling services for the potable water well for the plant modification. Due to a lack of a response, the bid due date was extended to June 30 and an additional five bidders were added to the bid list.

On June 25, a conference call was held between USEPA and CH2M HILL to discuss Work Plan Revision Request (WPRR) No. 2 and the proposed resident inspector LOE during the facility modification.

During this reporting period, a building subcontractor returned to the site and repaired loose parts within the overhead door drum. Also during this reporting period, preliminary laboratory results for the groundwater sampling event arrived from the laboratory.

Summary of Project Status						
Task No./ Code	Planned Start	Actual Start	Planned Completion	Actual Completion	Percent Complete	Schedule Variance
1-PP	9/30/00	9/30/00	9/29/03		93	
3-DU	9/30/00	9/30/00	9/29/03		95	
4-PB	9/30/00	9/30/00	9/29/03		90	
5-MS	5/20/02	5/20/02	5/20/03		240	
6-RI	9/30/02	10/14/02	4/01/03		40	
7-CV	9/30/00	9/30/00	9/29/03		85	
8-AI	9/30/00	9/30/00	9/29/03		60	
9-PJ	9/30/00	9/30/00	9/29/03		75	
11-CO	8/01/03		9/29/03		0	

2. Problems Resolved

None.

3. Problem Areas and Recommended Solutions

The residential wells and field blanks were found to be non-detect for PCP, naphthalene, and BTEX, with the exception of the detection of PCP at residential well RW01 (the Ellis residence). The laboratory reported an estimated concentration of PCP for well RW01 at the reporting limit, 0.10 J ug/L. When this detection was investigated further, the individual sample data form indicated an analytical value of 0.0997 J ug/L, which is less than the reporting limit. However, when reporting to two significant figures (which is customarily done by a laboratory), the result of 0.0997 J ug/L was rounded to 0.10 J ug/L, the value that was reported for RW01. This analytical result is at a level that may contain an amount of analytical bias, which was discussed in a previous technical memorandum submitted to USEPA on August 2, 2002 (*PCP WPDES Permit Effluent Criteria at Penta Wood Products Superfund Site, Town of Daniels, WI*).

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 June 2, CH2M HILL submitted the *Request for Consent to Award Subcontract to Clearwater Technologies for the Bioventing/Groundwater Treatment Facility Modifications* package to USEPA for review and approval.

5. Activities Planned Next Reporting Period

It is anticipated that Clearwater Technologies will deliver their required submittals and potentially mobilize for the start of site work during the next reporting period.

Analytical results from the groundwater sampling event will be submitted to USEPA for data validation during the next reporting period.

6. Key Personnel Changes

None.

7. Subcontractor Services

Earthworks:	WRS Infrastructure & Environment, Inc. and Darcy Brust Excavating
Drilling:	Davidson Environmental
Bioventing/Groundwater Treatment:	Dakota Intertek Corp.
OWS Bypass:	Carbonair
Haz Waste Disposal:	Onyx
Building Construction:	The Jansen Group (10 Construction, Inc.)
Equipment Installation	Clearwater Technologies

8. Travel

None.

9. Laboratories

PDC Laboratory provided analytical services for groundwater sampling in 2002. They are a Wisconsin-certified laboratory. The 2003 analytical services subcontract was awarded to White Water Associates, Inc., of Amasa, Michigan. They are also a Wisconsin-certified laboratory. They will provide analytical services for the 2003 spring semi-annual sampling event.

10. Project Performance

CH2M HILL communicated with USEPA concerning an unhappy unsuccessful bidder and the steps CH2M HILL had taken regarding the matter.

RAC V TECHNICAL STATUS REPORT

June 28, 2003 to July 25, 2003

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 25, 2003
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

Offers for the potable well solicitation (Solicitation No. 296) were received on June 30. CH2M HILL reviewed the responses, determined the bids were nonresponsive, and revised and re-issued the solicitation on July 18. Two offers for the revised solicitation were received on July 25; the lowest responsible bidder was determined to be Layne-Northwest, whom offered \$39,368.

On July 9, a preconstruction meeting for the Bioventing/Groundwater Treatment System Modification subcontract was held between CH2M HILL and Clearwater Technologies. Clearwater Technologies has begun to send required submittals to CH2M HILL for review; CH2M HILL is logging the submittals as they are received and distributing them to the appropriate reviewers. The construction schedule for the work to be performed was forwarded to the WAM. On July 22, Clearwater Technologies mobilized to the site and started work. Bob Reichold, CH2M HILL's construction manager, also mobilized to the site.

On July 22, a CD of the executed subcontract with Clearwater Technologies was submitted to USEPA.

The analytical data for the residential wells and monitoring wells sampled during the biannual groundwater sampling event were submitted to USEPA.

The USEPA approved WPRR No. 2.

Summary of Project Status						
Task No./ Code	Planned Start	Actual Start	Planned Completion	Actual Completion	Percent Complete	Schedule Variance
1-PP	9/30/00	9/30/00	9/29/03		94	
3-DU	9/30/00	9/30/00	9/29/03		95	
4-PB	9/30/00	9/30/00	9/29/03		100	
5-MS	5/20/02	5/20/02	5/20/03		240	
6-RI	9/30/02	10/14/02	4/01/03		40	
7-CV	9/30/00	9/30/00	9/29/03		87	
8-AI	9/30/00	9/30/00	9/29/03		62	
9-PJ	9/30/00	9/30/00	9/29/03		75	
11-CO	8/01/03		9/29/03		0	

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

Analytical results from the groundwater sampling event were submitted to USEPA for data validation.

5. Activities Planned Next Reporting Period

Construction activities for the Bioventing/Groundwater Treatment System Modification subcontract will continue. It is anticipated that all subfloor trenching and pipe work will be completed, and that the concrete work will have started during the next reporting period, as a milestone of September 8 has been established for the completion of the concrete work.

6. Key Personnel Changes

Bob Reichold of CH2M HILL Constructors, Inc. (CCI) will serve as CH2M HILL's construction manager for the Bioventing/Groundwater Treatment System Modification subcontract.

7. Subcontractor Services

Earthworks:	WRS Infrastructure & Environment, Inc. and Darcy Brust Excavating
Drilling:	Davidson Environmental
Bioventing/Groundwater Treatment:	Dakota Intertek Corp.
OWS Bypass:	Carbonair
Haz Waste Disposal:	Onyx
Building Construction:	The Jansen Group (10 Construction, Inc.)
Equipment Installation	Clearwater Technologies

8. Travel

Bob Reichold traveled to the site on July 22 and returned home on July 24. Travel charges will be invoiced during the next reporting period.

9. Laboratories

PDC Laboratory provided analytical services for groundwater sampling during 2002. They are a Wisconsin-certified laboratory. The 2003 analytical services subcontract was awarded to White Water Associates, Inc., of Amasa, Michigan. They are also a Wisconsin-certified laboratory. They provided analytical services for the 2003 spring semi-annual sampling event.

10. Project Performance

CH2M HILL was not satisfied with the offers for the potable well solicitation, so the scope of work was revised and the solicitation was reissued. The offer for the revised solicitation was \$8,632 below the original offer.

RAC V TECHNICAL STATUS REPORT

July 26, 2003 to August 29, 2003

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 29, 2003

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

Clearwater sent CH2M HILL numerous submittal items for review and approval during the reporting period.

Construction activities during the reporting period included the following:

Week of August 4—Clearwater began installation of the water line and electrical service to the potable well. Drain tile for the building downspouts were installed to direct water away from the building.

Week of August 11—Brust Excavating began the site grading work. Clearwater pressure-tested the water line and Clearwater's subcontractor, Stack Brothers, began work on the under-slab plumbing.

Week of August 18—Clearwater installed the sanitary holding tank and the associated sewer line from the building. Stack Brothers continued work on the under-slab plumbing and Brust Excavating continued site grading activities. Mid-America Technologies decontaminated the existing oil/water separator in preparation for it to be relocated to the new building.

Week of August 25—Stack Brothers completed the under-slab plumbing and Clearwater started preparing the building subgrade for the concrete floor. Brust Excavating continued site grading activities. Layne Northwest, the potable well driller, mobilized their equipment to the site.

On August 18, CH2M HILL received the validated metals data packages from USEPA for the spring groundwater sampling round. Some of the metals data had been rejected due to procedural problems, but the laboratory has agreed to run the metal analysis again at no cost, as they still have the extract and the holding time has not yet been exceeded.

Summary of Project Status						
Task No./ Code	Planned Start	Actual Start	Planned Completion	Actual Completion	Percent Complete	Schedule Variance
1-PP	9/30/00	9/30/00	9/29/03		94	
3-DU	9/30/00	9/30/00	9/29/03		95	
4-PB	9/30/00	9/30/00	9/29/03		100	
5-MS	5/20/02	5/20/02	5/20/03		95	
6-RI	9/30/02	10/14/02	4/01/03		40	
7-CV	9/30/00	9/30/00	9/29/03		87	
8-AI	9/30/00	9/30/00	9/29/03		62	
9-PJ	9/30/00	9/30/00	9/29/03		75	
11-CO	8/01/03		9/29/03		0	

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

None.

5. Activities Planned Next Reporting Period

Installation of the potable well is scheduled to begin on September 2. The well should be completed and ready for use in mid-September. A dedicated sampling pump will be installed in one monitoring well to test the potable well's performance.

The concrete floor is scheduled to be poured the week of September 1, as a milestone of September 8 has been established for the completion of the concrete work.

Work is scheduled to begin on the interior walls, interior electrical systems, interior plumbing, and equipment relocation and installation during the next reporting period.

The annual groundwater sampling round will be conducted the week of September 22.

The narrative portion of the Work Assignment Completion Report (WACR) will be submitted to USEPA during the next reporting period.

6. Key Personnel Changes

Bob Reichold of CH2M HILL Constructors, Inc. (CCI) will serve as CH2M HILL's construction manager for the Bioventing/Groundwater Treatment System Modification subcontract.

7. Subcontractor Services

Earthworks:	WRS Infrastructure & Environment, Inc. and Darcy Brust Excavating
Drilling:	Davidson Environmental
Bioventing/Groundwater Treatment:	Dakota Intertek Corp.
OWS Bypass:	Carbonair
Haz Waste Disposal:	Onyx
Building Construction:	The Jansen Group (10 Construction, Inc.)
Oil/Water Separator Cleaning	Mid-America Technologies
Equipment Installation	Clearwater Technologies

8. Travel

Travel for Bob Reichold on July 22-24 was reported in last month's Technical Status Report.

Bob Reichold was onsite July 28-30, August 4-7, August 11-14, August 18-21, and August 25-28 during the reporting period. Travel charges for August 18-21 and 25-28 will be invoiced during the next reporting period.

9. Laboratories

PDC Laboratory provided analytical services for groundwater sampling during 2002. They are a Wisconsin-certified laboratory. The 2003 analytical services subcontract was awarded to White Water Associates, Inc., of Amasa, Michigan. They are also a Wisconsin-certified laboratory. They provided analytical services for the 2003 spring semi-annual sampling event.

10. Project Performance

The treatment system modifications are on schedule and the September 8 milestone for the completion of the concrete work is expected to be met.

RAC V TECHNICAL STATUS REPORT

August 30, 2003 to September 29, 2003

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 29, 2003

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

CH2M HILL received numerous submittal items from Clearwater Technologies for review and approval during the reporting period.

Construction activities during the reporting period included the following:

Week of September 1–The boring hole for the potable well was completed. A formation sample was collected and sent to a laboratory for analysis; the results of the test were used to select the well screen size. Concrete work in the new building was completed. Darcy Brust Excavating completed soil cuts and shaping for the drainage ditches. Discussions with Northwestern Wisconsin Electric Company were held regarding the transformer pad location.

Week of September 8–Darcy Brust Excavating continued to place rip rap material along the driveway areas. Excavation of the discharge line was initiated to prepare the pipe for heat tracing and insulation due to the shallow ground cover over the pipe.

Week of September 15–Potable well construction and development were completed. Darcy Brust Excavating continued to place rip rap material along the driveway areas. Stack Brothers began to install the HVAC units.

- Week of September 22–Step and performance testing of the potable well was completed. The well pump specified by CH2M HILL was installed and the potable well installation was completed. Stack Brothers installed the HVAC units

by suspending them from the building ceiling. Clearwater Technologies removed the oil/water separator and bag filters, and began to cut steel studs for the wall separating the treatment room from the office and rotary drum vacuum filter (RDVF) room. Northwestern Wisconsin Electric Company buried new electrical service lines from the road to the location of the new transformer. Darcy Brust Excavating began to install the storm sewer inlet and pipe in the driveway area near the building.

Annual groundwater sampling was conducted the week of September 22.

On September 5, CH2M HILL received WAF Revision #16 from USEPA revising the expenditure limit budget.

On September 10, CH2M HILL submitted total and dissolved metals analytical results for monitoring well samples collected in April 2003 to USEPA Central Regional Laboratory for data validation. The metals were reanalyzed due to laboratory QA/QC deficiencies in the initial run during May 2003.

On September 11, CH2M HILL submitted the *Groundwater Sampling Results Technical Memorandum for Spring 2003* with validated results from USEPA, with the exception of the reanalyzed metal results.

On September 19, CH2M HILL submitted a *Request Change to Special Analytical Services (SAS)* memorandum to the USEPA. The request asks that the contract required detection limit for total and dissolved iron be changed from 25 µg/L to 50 µg/L.

On September 26, CH2M HILL submitted the Work Assignment Completion Report (WACR) to the USEPA.

Summary of Project Status						
Task No./ Code	Planned Start	Actual Start	Planned Completion	Actual Completion	Percent Complete	Schedule Variance
1-PP	9/30/00	9/30/00	9/29/03	9/29/03	100	<u>None</u>
3-DU	9/30/00	9/30/00	9/29/03	9/29/03	100	None
4-PB	9/30/00	9/30/00	9/29/03	9/29/03	100	None
5-MS	5/20/02	5/20/02	9/29/03	9/29/03	100	None
6-RI	9/30/02	10/14/02	9/29/03	9/29/03	100	<u>None</u>
7-CV	9/30/00	9/30/00	9/29/03	9/29/03	100	None
8-AI	9/30/00	9/30/00	9/29/03	9/29/03	100	None
9-PJ	9/30/00	9/30/00	9/29/03	9/29/03	100	None
11-CO	8/01/03	8/01/03	9/29/03	9/29/03	100	None

2. Problems Resolved

None.

3. Problem Areas and Recommended Solutions

The DAF unit may not arrive as scheduled. CH2M HILL will work with Clearwater Technologies and the DAF vendor to finalize a delivery date.

The LOE expenditure limit needs to be increased by 500 hours to complete work in Option Period 1.

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 WACR text was submitted to USEPA on September 26.

5. Activities Planned Next Reporting Period

This completes the work under this WA. Work will continue under a new WA during Option Period 2.

Work on the interior walls, interior electrical systems, interior plumbing, and equipment relocation and installation will continue during the next reporting period. Equipment installation is scheduled to be completed by October 20; however, it appears that the delivery of the DAF unit may be delayed until November. This delay is currently expected to impede the functional testing of the system by 2 weeks.

At the WAM's request, a design will be prepared to add a mezzanine storage area above the office area and a storage area in the new building.

6. Key Personnel Changes

Bob Reichold of CH2M HILL Constructors, Inc. (CCI) is serving as CH2M HILL's construction manager for the Bioventing/Groundwater Treatment System Modification subcontract.

7. Subcontractor Services

Earthworks:	WRS Infrastructure & Environment, Inc. and Darcy Brust Excavating
Drilling:	Davidson Environmental
Bioventing/Groundwater Treatment:	Dakota Intertek Corp.
OWS Bypass:	Carbonair
Haz Waste Disposal:	Onyx
Building Construction:	The Jansen Group (10 Construction, Inc.)
Oil/Water Separator Cleaning:	Mid-America Technologies
Equipment Installation:	Clearwater Technologies

8. Travel

Travel for Bob Reichold on July 28-30, August 18-21, and August 25-28 was reported in last month's Technical Status Report.

Bob Reichold was onsite September 2-4, 8-11, 15-18, and 21-25.

Jon Tortomasi traveled to the site on September 1-3 and 14-17 to perform field oversight of drilling operations.

Keli McKenna traveled on September 25 to an equipment vendors plant to inspect the RDVF. Travel charges will be invoiced during the next reporting period.

Gina Bayer, Dave Shekoski, Steve Paukner, and Bill Andrae traveled to the site on September 22 for groundwater sampling. All of the team members left the site on September 26. Travel charges for Dave Shekoski will be invoiced during the next reporting period.

9. Laboratories

PDC Laboratory provided analytical services for groundwater sampling during 2002. They are a Wisconsin-certified laboratory. The 2003 analytical services subcontract was awarded to White Water Associates, Inc., of Amasa, Michigan. They are also a Wisconsin-certified laboratory. They provided analytical services for the 2003 spring semi-annual sampling event and the 2003 fall annual groundwater sampling event.

10. Project Performance

CH2M HILL arranged to have the laboratory rerun the metal analysis at no cost.

RAC V TECHNICAL STATUS REPORT

September 30, 2003 to October 31, 2003

WORK ASSIGNMENT NUMBER: 201-RALR-05WE

SITE NAME: Penta Wood Products-OU 1, WI

ACTIVITY: Long-Term Response Action

CH2M HILL JOB NUMBER: 184202

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

PERIOD ENDING: October 31, 2003

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

CH2M HILL received numerous submittal items from Clearwater Technologies, Inc. for review and approval during the reporting period.

Construction activities during the reporting period included the following:

Week of September 29 – Work progressed this week with Darcy Brust Excavating continuing to work on the storm drainage and the rip-rap placement along the drive and roadway areas. Clearwater Technologies, Inc. had five of their own crew working on the interior wall system. Clearwater's subcontractor, Stack Bros. Mechanical, was onsite, with one pipefitter, two electricians, and two sheetmetal workers working on the piping, electrical, and HVAC installations.

Week of October 6 – Work progressed this week with Darcy Brust Excavating finishing the storm drainage around the building and continuing to place rip-rap along the roadway. Clearwater Technologies, Inc. had five of their own crew onsite, with four crew members working on interior steel partitions and other tasks. Stack Bros. Mechanical had three pipefitters onsite to work on process piping, two electricians to work on the exterior grounding grid and other electrical items, and two sheetmetal workers to work on the HVAC installation. Durand Builder's painting contractor was onsite to finish painting the skylights. Rice Lake Overhead Door was also onsite to troubleshoot door wind noise.

Week of October 13 – Work progressed this week with Darcy Brust Excavating hauling and placing crushed stone around the building. Clearwater

Technologies, Inc. had three of their own crew onsite, with two crew members working on site cleanup. Stack Bros. Mechanical had three pipefitters onsite to work on process piping, three sheetmetal workers to work on HVAC, and one plumber to work on the potable and non-potable water lines. Benson Electric had two electricians onsite to work on the electrical system.

Week of October 20 – Work progressed this week with Darcy Brust Excavating continuing to haul and place crushed stone around the building. Clearwater Technologies, Inc. had three of their own crew onsite, with two crew member working on site cleanup. Stack Bros. Mechanical had three pipefitters onsite to work on process piping in both the existing and the new treatment building, three sheetmetal workers to work on the HVAC air handling units, and one plumber to work on the safety showers. Benson Electric had two electricians onsite to work on the process electrical system. Steve Cross of Stack Bros. Mechanical was onsite to discuss the process control layout with Clearwater.

Week of October 27 – Work progressed this week with Darcy Brust Excavating completing the hauling and placement of the crushed stone around the building. Clearwater Technologies, Inc. had four of their own crew onsite, with three crew members working on steel wall patrons, cutting in the outside HVAC wall unit in the control room, and cleaning up around the site. Hoveland Concrete completed the outside concrete pads and placed the Neutralization Tank T-16 equipment pad in the original treatment building. Stack Bros. Mechanical had three pipefitters onsite to work on process piping in both buildings, three sheetmetal workers to work on the HVAC air handling units, and one plumber to work on the bathroom, water, and venting systems. Benson Electric had two electricians onsite to work on the process electrical system.

Onyx Environmental Services was onsite October 30 to remove drums of hazardous waste. Eight 55-gal drums of LNAPL, three 55-gal drums of debris, and three 55-gal drums of decontamination water were removed from the site.

CH2M HILL received WAF Revision No. 1, incorporating TDM No. 1 dated October 17, during the reporting period. WAF Revision No. 1 authorizes the design and construction of a mezzanine storage area in the new building.

On October 20, CH2M HILL submitted a *Clarification of Waste Code Designation* letter to Steve Ashenbrucker of WDNR. CH2M HILL is attempting to find a facility that will reuse LNAPL waste from the site.

On October 23, CH2M HILL submitted the design and cost estimate for the Mezzanine Storage Area to USEPA.

An updated schedule from Clearwater Technologies, Inc. was submitted to the WAM on October 30.

Summary of Project Status						
Task No./ Code	Planned Start	Actual Start	Planned Completion	Actual Completion	Percent Complete	Schedule Variance
1-PP	09/30/03	09/30/03	06/30/06		1	None
3-DU	09/30/03	09/30/03	06/30/06		0	None
4-PB	09/30/03	09/30/03	06/30/06		0	None
5-MS	09/30/03	09/30/03	03/30/04		2	None
6-RI	09/30/03	09/30/03	12/30/03		20	None
7-CV	09/30/03	09/30/03	06/30/06		2	None
8-AI	09/30/03	09/30/03	06/30/06		40	None
9-PJ	09/30/03	09/30/03	06/30/06		0	None
11-CO	05/01/06		9/29/03		0	None

2. Problems Resolved

None.

3. Problem Areas and Recommended Solutions

Clearwater Technologies, Inc. was notified that longer hours may have to begin soon to be able to meet the scheduling needs of the project. The importance of timely equipment delivery to the site was emphasized to Clearwater. Reichold contacted Scott Holmberg of Durand Builders to discuss miscellaneous warranty for the new building, such as rattling overhead doors and the completion of some minor ceiling painting. The roof leak in the connection to the South Building was also discussed.

The option period rollover WPRR for Penta Wood (WPRR No. 2) was prepared in May 2003. At that time, it was thought that Tasks 5 (Engineering Support) and 6 (Inspection) would be completed prior to the start of Option Period 2 on September 30, 2003. Projects delays have caused the need to open Tasks 5 and 6 in Option Period 2.

The construction is taking longer than originally anticipated when WPRR No. 2 was prepared in May 2003. The DAF unit took longer to be delivered, and additional scope is being added with the mezzanine. The SM has discussed the need for additional LOE (for the onsite CH2M HILL construction manager) with the WAM.

4. Deliverables Submitted

The design and cost estimate for the Mezzanine Storage Area was submitted to USEPA on October 23.

5. Activities Planned Next Reporting Period

Work will continue on the process piping and electrical systems. The dissolved air flotation unit (DAF) and rotary drum vacuum filter (RDVF) unit are scheduled to be delivered and installed during the next reporting period.

The spent carbon and organoclay will be removed and replaced. Prior to replacement, the pressure vessel interiors will be cleaned with a pressure washer and hot water.

6. Key Personnel Changes

None.

7. Subcontractor Services

Earthworks:	WRS Infrastructure & Environment, Inc. and Darcy Brust Excavating
Drilling:	Davidson Environmental
Bioventing/Groundwater Treatment:	Dakota Intertek Corp.
OWS Bypass:	Carbonair
Haz Waste Disposal:	Onyx
Building Construction:	The Jansen Group (10 Construction, Inc.)
Oil/Water Separator Cleaning:	Mid-America Technologies
Equipment Installation:	Clearwater Technologies, Inc.

8. Travel

Bob Reichold was onsite September 30 and October 1-2, 6-9, 13-16, 20-23, and 27-30. Travel charges from October 20-30 will be invoiced during the next reporting period.

Travel charges for Keli McKenna on September 25 were inadvertently charged under Option Period 2, to WA # 201-RALR-05WE. Travel charges will be transferred to Option Period 1, WA # 101-RALR-05WE, during the next reporting period.

9. Laboratories

PDC Laboratory provided analytical services for groundwater sampling during 2002. They are a Wisconsin-certified laboratory. The 2003 analytical services subcontract was awarded to White Water Associates, Inc., of Amasa, Michigan. They are also a Wisconsin-certified laboratory. They provided analytical services for the 2003 spring semi-annual sampling event and the 2003 fall annual groundwater sampling event.

10. Project Performance

CH2M HILL continues to work with various waste facilities and the WDNR to determine if any of the treatment plant waste streams can be recycled.

RAC V TECHNICAL STATUS REPORT

November 1, 2003 to November 28, 2003

WORK ASSIGNMENT NUMBER: 201-RALR-05WE

SITE NAME: Penta Wood Products-OU 1, WI

ACTIVITY: Long-Term Response Action

CH2M HILL JOB NUMBER: 184202

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

PERIOD ENDING: November 28, 2003

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

CH2M HILL received submittal items from Clearwater Technologies, Inc. for review and approval during the reporting period.

Construction activities during the reporting period included the following:

Week of November 3— Clearwater Technologies had three personnel onsite, with two working on miscellaneous cleanup and assisting their subcontractors as needed. Stack Brothers Mechanical had three pipefitters working on process piping in both the existing and new treatment buildings, three sheetmetal workers installing the HVAC air handling units, and one plumber working on the water and process air lines, the safety showers, and the hose rack in the existing building. Benson Electric had two electricians working on the process electric. Northwestern Wisconsin Electric Company was onsite to place the outside transformer. Clearwater Technologies accepted delivery of the dissolved air flotation (DAF) unit and polymer system.

Week of November 10— Clearwater Technologies had four personnel onsite with three working on various tasks, such as equipment placement, constructing metal partitions, and miscellaneous cleanup. Stack Brothers Mechanical had four pipefitters working on process piping in both the existing and new treatment buildings, two sheetmetal workers installing the HVAC air handling units and ducts, and one plumber working on the water lines, process air lines, water distribution, and safety showers. Benson Electric had two electricians working on the process electric. Clearwater accepted delivery of the rotary drum vacuum filter (RDVF) unit.

Week of November 17 – Clearwater Technologies had four personnel onsite with three working on various tasks, such as equipment placement, constructing metal partitions, and miscellaneous cleanup. The underground gas service from the LP storage tank to the building was installed by the plumbers. Stack Brothers Mechanical had four pipefitters working on process piping in the existing and new treatment buildings, two sheetmetal workers completing the balance of the duct work, and one plumber working on water lines, process air lines, and water distribution. Benson Electric had two electricians working on the process electric. Northwestern Wisconsin Electric Company was onsite to energize the new power to the transformer.

The removal of the former overhead service, including the poles leading out to the property fence, was completed. Completion of the remaining rip/rap and grading was discussed with Brust Excavating, and it was decided that they would delay this work until spring. Clearwater took delivery of the ferric sulfate and caustic pumps this week.

Week of November 24 – This was a short work week due to the Thanksgiving holiday. Clearwater Technologies had four personnel onsite with three working on various tasks, such as equipment placement, constructing metal partitions, insulating, installing metal siding, painting, and miscellaneous cleanup. Stack Brothers Mechanical had four pipefitters working on process piping in both the existing and new treatment buildings, with the work consisting of secondary containment piping. Benson Electric had three electricians working on the process electrical. Stack Brothers' instrumentation and control lead, Steve Cross, was onsite to assist Clearwater with resolving control issues.

Carbonair was onsite November 10-12 to remove the spent carbon and organoclay and again on November 25 to refill the carbon and organoclay vessels. The spent media was placed in large sacks and staged onsite pending disposal.

MidAmerica Technical & Environmental Services, Inc., was onsite November 20 to pressure wash the carbon and organoclay vessels, bag filter housings, and the 500-gal free product tank.

Analytical sample results were received from White Water Labs from the annual groundwater sampling event. PCP was detected at a level below the MCL in one of the residential wells (RW01). The well was resampled on November 20 to confirm the detect. The unvalidated analytical data was submitted to the USEPA for data validation.

Summary of Project Status						
Task No./ Code	Planned Start	Actual Start	Planned Completion	Actual Completion	Percent Complete	Schedule Variance
1-PP	09/30/03	09/30/03	06/30/06		8	None
3-DU	09/30/03	09/30/03	06/30/06		0	None
4-PB	09/30/03	09/30/03	06/30/06		20	None
5-MS	09/30/03	09/30/03	03/30/04		2	None
6-RI	09/30/03	09/30/03	12/30/03		20	None
7-CV	09/30/03	09/30/03	06/30/06		8	None
8-AI	09/30/03	09/30/03	06/30/06		70	None
9-PJ	09/30/03	09/30/03	06/30/06		20	None
11-CO	05/01/06		9/29/03		0	None

2. Problems Resolved

None.

3. Problem Areas and Recommended Solutions

Project costs exceeded the expenditure limit this reporting period such that some costs were put on hold. The expenditure limit needs to be increased before January 2004.

4. Deliverables Submitted

Annual groundwater sampling analytical data was submitted to the USEPA for data validation.

5. Activities Planned Next Reporting Period

Work will continue on the process piping, electrical systems, and mezzanine construction.

6. Key Personnel Changes

None.

7. Subcontractor Services

Earthworks:	WRS Infrastructure & Environment, Inc. and Darcy Brust Excavating
Drilling:	Davidson Environmental
Bioventing/ Groundwater Treatment:	Dakota Intertek Corp.
OWS Bypass:	Carbonair
Haz Waste Disposal:	Onyx
Building Construction:	The Jansen Group (10 Construction, Inc.)
Oil/Water Separator Cleaning:	Mid-America Technologies
Equipment Installation:	Clearwater Technologies, Inc.

8. Travel

Travel charges for Keli McKenna's travel in September were transferred to the Penta Wood Option Period 1 WA No. 101-RALR-05WE during this reporting period.

Travel for Bob Reichold in October was reported in last month's Technical Status Report.

Bob Reichold was onsite November 3-6, 10-13, 17-20, and 24-25.

9. Laboratories

The 2003 analytical services subcontract was awarded to White Water Associates, Inc., of Amasa, Michigan. They are a Wisconsin-certified laboratory.

10. Project Performance

CH2M HILL continues to work with various waste facilities and the WDNR to determine if any of the treatment plant waste streams can be recycled.

CH2M HILL acted quickly to notify the WAM of a possible PCP detect in a residential well, resample the well, and receive an expedited laboratory turn-around time for analysis.

RAC V TECHNICAL STATUS REPORT

November 29, 2003 to December 26, 2003

WORK ASSIGNMENT NUMBER: 201-RALR-05WE

SITE NAME: Penta Wood Products-OU 1, WI

ACTIVITY: Long-Term Response Action

CH2M HILL JOB NUMBER: 184202

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

PERIOD ENDING: December 26, 2003

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

CH2M HILL received submittal items from Clearwater Technologies, Inc. for review and approval during the reporting period.

Construction activities during the reporting period included the following:

Week of December 1 – Clearwater Technologies had five personnel onsite with four working on various tasks, such as equipment placement, building metal partitions insulation, metal siding, painting, and miscellaneous cleanup. Stack Brothers Mechanical had four pipefitters and one plumber working on process piping in both the existing and new treatment buildings. The LP gas service was trenched and installed from the storage tank to the building. Benson Electric had four electricians onsite to work on process and building electric services.

Week of December 8 – Clearwater Technologies had five personnel onsite with four working on various tasks, such as equipment placement. They began construction of the mezzanine as soon as the steel was delivered. Stack Brothers Mechanical had four pipefitters and one plumber working on process piping, potable water, and the installation of the tempering and well pump tanks, and two sheetmetal workers working on the HVAC system. Benson Electric had four electricians working on process electrical. The first shipment of caustic and ferric sulfate was delivered. The heating pads for the outside storage tanks were not yet operational, but the electricians temporarily wired the tank heaters to prevent the chemicals from freezing.

Week of December 15— Clearwater Technologies had five personnel onsite with four working on various tasks, such as the mezzanine, drywall installation, painting, cleanup, and equipment placement. The steel erection and concrete placement for the mezzanine was completed, but the stairs and railings still need to be installed. Stack Brothers Mechanical had four pipefitters and one plumber onsite working on process piping, equipment, and plumbing fixtures. There were two sheetmetal workers onsite working on the HVAC system. Benson Electric had five electricians working on process electrical.

The removal of the former overhead electrical service, including the poles leading out to the property fence, was also completed. Completion of the remaining rip/rap and grading was discussed with Brust Excavating, and it was determined that the work would be delayed until spring. Clearwater Technologies accepted delivery of the ferric sulfate and caustic pumps this week.

Week of December 22— Clearwater Technologies worked through the weekend (December 20 and 21) and stopped work for the Christmas holiday on December 24. They had five personnel onsite with four working on various tasks, such as equipment placement, cleanup, and painting. Stack Brothers Mechanical had four pipefitters working on process piping and equipment installation, and two sheetmetal workers completing the HVAC ducting and ventilation systems. Benson Electric had five electricians working on process electrical and equipment installation. Drywall was also taped in the office/control room. At this time, most of the equipment and tanks have been installed.

During this reporting period, CH2M HILL began to program the programmable logic controller (PLC) software in the Milwaukee office. CH2M HILL also began to receive validated groundwater sampling analytical results from USEPA for the annual groundwater sampling event, and started to prepare the annual groundwater sampling report. Groundwater flow maps were created, and a model was run to determine the potential capture zone of the new potable well installed onsite. CH2M HILL also began communication with CRL to determine if they could perform future Penta Wood analytical work.

On December 19, the SM submitted a preliminary estimate for a backup generator and panel for the site to the WAM to begin discussion on the topic. A formal submittal proposing a backup generator is in the process of being prepared, and it is expected to be submitted during the next reporting period.

Also on December 19, the resampled residential well results and raw data were submitted to Dennis Wesolowski/USEPA CRL.

Summary of Project Status						
Task No/ Code	Planned Start	Actual Start	Planned Completion	Actual Completion	Percent Complete	Schedule Variance
1-PP	09/30/03	09/30/03	06/30/06		8	None
3-DU	09/30/03	09/30/03	06/30/06		0	None
4-PB	09/30/03	09/30/03	06/30/06		50	None
5-MS	09/30/03	09/30/03	03/30/04		80	None
6-RI	09/30/03	09/30/03	12/30/03		20	None
7-CV	09/30/03	09/30/03	06/30/06		8	None
8-AI	09/30/03	09/30/03	06/30/06		85	None
9-PJ	09/30/03	09/30/03	06/30/06		2	None
11-CO	05/01/06		9/29/03		0	None

2. Problems Resolved

None.

3. Problem Areas and Recommended Solutions

Project costs exceeded the expenditure limit this reporting period, and some costs were put on hold. The expenditure limit needs to be increased before additional billing can occur.

4. Deliverables Submitted

The resampled residential well analytical data was submitted to the USEPA for data validation.

5. Activities Planned Next Reporting Period

Work will continue on the process piping, electrical systems, mezzanine construction, and instrumentation installation, assuming that the catwalk railing arrives on schedule. CH2M HILL will continue to program the software for the PLC, and will begin to test the components of the treatment system, assuming that construction is completed in January.

6. Key Personnel Changes

None.

7. Subcontractor Services

Earthworks:	WRS Infrastructure & Environment, Inc. and Darcy Brust Excavating
Drilling:	Davidson Environmental
Bioventing/Groundwater Treatment:	Dakota Intertek Corp.
OWS Bypass:	Carbonair
Haz Waste Disposal:	Onyx
Building Construction:	The Jansen Group (10 Construction, Inc.)

Oil/Water Separator Cleaning:	Mid-America Technologies
Equipment Installation:	Clearwater Technologies, Inc.
Treatment System Chemicals:	U.S. Water Services Utility Chemicals

8. Travel

Bob Reichold was onsite December 1-4, 8-11, and 15-24. Travel charges will be invoiced during the next reporting period.

9. Laboratories

The 2003 analytical services subcontract was awarded to White Water Associates, Inc., of Amasa, Michigan. They are a Wisconsin-certified laboratory.

10. Project Performance

CH2M HILL continues to work with various waste facilities and the WDNR to determine if any of the treatment plant waste streams can be recycled.

CH2M HILL began to communicate with USEPA's Central Regional Laboratory to determine if they have the capacity (and interest) to deliver some or all of the analytical work for the Penta Wood site. Some of the analytical work will require method development work by CRL, and CH2M HILL has been proactive in their communication of specific project needs.