Weyerhaeuser

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March 12, 2008

EPA Region 5 Records Ctr.
295370

Mr. Sam Chummar, Remedial Project Manager
U.S. Environmental Protection Agency - Region 5
Superfund Division - Remedial Response Branch #1
77 W. Jackson Blvd. (SR-6J)
Chicago, IL 60604

Subject: Progress Report No. 17 (January 20, 2008 through February 19, 2008)
Remedial Investigation Feasibility Study
Plainwell Inc. Mill Property, Plainwell, MI
Allied Paper, Inc./Portage Creek/Kalamazoo River Site Operable Unit 5

Dear Mr. Chummar:

As required by Task 8, Progress Reports, in the Statement of Work for the R/FS at the Plainwell Mill, Inc., Mill Property, I am submitting that attached progress report for the period January 20, 2008 through February 19, 2008, for the above referenced site.

Three hard copies have also been sent to Paul Bucholtz in the mail. Please contact me at 253-924-3746 if you have any questions.

Sincerely,

Weyerhaeuser Company

Jennifer Hale

Jennifer Hale
Environmental Manager

cc: Paul Bucholtz, MDEQ
Erik Wilson, City of Plainwell
Kathy Huibregtse, RMT, Inc.
Jim Hutchens, RMT, Inc.

Progress Report No. 17
January 20, 2008, Through February 19, 2008

Remedial Investigation and Feasibility Study
Plainwell, Inc., Mill Property, Plainwell, Michigan

This progress report is being submitted in accordance with Task 8, *Progress Reports*, and the *Schedule for Major Deliverables* contained in the Statement of Work for the RI/FS at the Plainwell, Inc., Mill Property.

1. Operable Unit 7 – Plainwell Mill Site

Summary of Activities Undertaken in Support of the Community Relations Plan (completed during the current reporting period and anticipated during the next period):

- No activities were undertaken during the current reporting period and none are anticipated during the next period.

Summary of Any Modifications to the Work Plans or Other Schedules Proposed To, or Approved By, the USEPA:

- No activities were undertaken during the current reporting period.
- A RI/FS Work Plan addendum will be prepared and submitted to the USEPA to address issues raised in their letter dated February 18, 2008.
- Other modifications to the original work plan over the next period are dependent on whether comments are received from the USEPA.

2. Operable Unit 5 – Plainwell Mill Banks - Kalamazoo River

Activities performed as part of the Emergency Action during the current reporting period included:

- Removal of residual material along the mill banks completing Zone B. Due to high flow conditions and accessibility to place new silt curtains, the excavation then moved to the far east end of Zone D and moved downstream.
- As of February 18, 2008, residuals along approximately 600 feet of the bank in Zone D have been removed (300 cubic yards) and placed within the containment pad. Total material removed from the bank area and placed within the containment pad to date is approximately 2,800 cubic yards.
- Approximately 20 yards of material that was suspected of containing elevated concentrations of polychlorinated biphenyls (PCBs) was segregated after elevated confirmation results were obtained in one location. This material was placed in a separate lined dumpster and is being retained on site until it is characterized for off-site disposal.
- Per the design report, elevated confirmation samples along the eastern end of Zone D required re-excavation of this area. During re-excavation, concrete rubble material was encountered within the bank. Once this debris was penetrated, a very thin oily sheen began to appear on the water surface. Excavation was immediately halted and absorbent booms were installed around the area to minimize release outside of the silt curtain. A decision was made to seal the area with imported fill material with clay. One to two feet of clay was placed and compacted with the excavator bucket along the entire 300 foot section and covered with rip rap to minimize erosion potential.

Summary of Data Collected During the Current Reporting Period:

- Turbidity monitoring was performed with the in-place Sonde units. Results during construction activities from January 19 through February 13, 2008, are summarized on the attached Table 1. There

were sporadic increases in turbidity at both upstream and downstream sampling locations. Daily visual inspection of silt curtains did not identify and observable turbidity increases leaving the silt curtain area.

- Water samples were collected weekly during construction activities adjacent to the Sonde units and submitted for PCB analysis. No detectable PCB concentrations have been identified in any of the surface water samples.
- Confirmation samples at the base of the bank were collected after residual removal along approximately 200 feet of bank in Area D, as shown on Figure 1. Analytical results are summarized on Table 2 and Table 3.
- Additional bank samples (PEX 1 to PEX 7) were analyzed prior to proceeding with the next section of bank removal to identify any areas of potential concern such as the concrete rubble and higher concentrations along the mill bank. Results are shown on Figure 1 and also summarized on Table 2.
- Based on the elevated metals reported by the lab for the imported fill material, additional samples were obtained at the pit supplying the material. In addition, two samples that had been collected on November 29, 2007, and stored in the jobsite trailer were also sent in for analysis. When the results confirmed consistent analysis for the pit and stored samples, the lab was requested to re-run the fill analysis. As shown on the table below, the re-run sample was consistent with the other pit and initial fill samples. Upon further review by the laboratory, the laboratory concluded that their metals analyst had mislabeled the sample and the reported results were not for the fill material. The backup information from the laboratory has been sent to the USEPA under separate cover. The letter from the laboratory and their nonconformance report are attached to this progress report as well (Attachment 2).

Analyte	Michigan Default Background	Fill Pile 1/3/2008	Fill Pile Re-run	Pit-1	Pit-2	Initial #1	Initial #2
Arsenic	5.8	7.4	4.7	6.6	6.2	4.2	5.8
Barium	75	180	31	57	63	34	35
Cadmium	1.2	1.4	<0.2	<0.2	<0.2	<0.2	<0.2
Chromium	18	77	8.0	17	16	9.2	11
Lead	21	240	8.4	10	10	8.6	10
Mercury	0.13	1.5	<0.05	<0.05	<0.05	<0.05	<0.05
Selenium	0.41	0.73	<0.2	<0.2	<0.2	<0.2	<0.2
Silver	1	0.56	<0.1	<0.1	<0.1	<0.1	<0.1

- A sample of the clay fill material used along the banks was sent in for laboratory analysis on February 5, 2008, for Gasoline Range Organics (GRO), Diesel Range Organics (DRO), PCBs, volatile organic compounds (VOCs), semivolatile organic compounds (SVOC), and metals. Methylene chloride (a common laboratory contaminant) was identified at a level of 0.32 mg/kg. Metal concentrations identified all appeared to be within background levels. Results from the laboratory are attached (Attachment 3).

Summary of Problems Encountered During the Current Reporting Period:

- Pre-excavation samples were collected and analyzed on samples in the next 200 feet downstream in Zone D. These pre-excavation samples identified one location with PCB concentrations above 200 ppm. Weyerhaeuser requested that the USEPA and MDEQ approve placement of erosion

protection in this area without removal of the underlying sediment at this time. In a letter dated February 18, 2008, this request was approved as an interim measure and the area capped with 1 foot of clay and stone rip rap.

- The silt curtain was damaged by floating debris after construction activities, but prior to placing erosion control in the area. The damaged curtain remained in place to minimize any erosion of the bank area until the rip rap could be placed. A new silt curtain will be installed along the next section of bank prior to excavation.
- The MDEQ raised an issue of sampling from the bucket of the excavator for the confirmation samples along the bank. Based on the type of material, which consists mainly of gravel and larger river rock, as well as water depth of 3 to 5 feet along Area D, the use of lexan cores for sample collection was not feasible. RMT, MDEQ, and USEPA will meet on site during the week of February 25, 2008, and review the conditions and various sampling methods.

Summary and Schedule of Work Anticipated During the Next Reporting Period:

- Weyerhaeuser plans to continue to implement the emergency action along the river banks. Additional excavation of the bank soils will continue as long as weather permits.

Anticipated Problems Associated with Work During the Next Period:

- None.

Planned Resolution of Past or Anticipated Problems:

- We anticipate that a resolution to methods for confirmation sampling will be completed during an on site meeting on February 28, 2008.
- A plan for gathering additional information regarding the higher concentrations of PCBs and the slight oily sheen identified during removal in Area D will be submitted to the USEPA by March 5, 2008.

Other Relevant Information:

- None.

TABLES

TABLE 1

Plainwell Mill Turbidity Data

Date	Time	Upstream Hourly Average NTU	Downstream Hourly Average NTU	2X Upstream Hourly Average NTU	Comments
1/19/2008	12:00 AM	5.0	5.9	10.1	No work in River
	1:00 AM	5.4	6.7	10.8	
	2:00 AM	5.6	6.2	11.2	
	3:00 AM	5.3	6.0	10.6	
	4:00 AM	5.5	5.5	11.1	
	5:00 AM	5.7	5.7	11.4	
	6:00 AM	5.7	5.5	11.4	
	7:00 AM	5.4	5.5	10.8	
	8:00 AM	5.4	5.5	10.8	
	9:00 AM	5.4	5.5	10.7	
	10:00 AM	5.5	5.4	11.0	
	11:00 AM	5.5	5.5	11.0	
	12:00 PM	5.7	5.2	11.5	
	1:00 PM	5.6	5.0	11.1	
	2:00 PM	5.3	4.8	10.7	
	3:00 PM	6.6	5.0	13.2	
	4:00 PM	5.5	4.9	10.9	
	5:00 PM	5.8	4.9	11.6	
	6:00 PM	5.9	5.3	11.7	
	7:00 PM	5.4	5.1	10.8	
	8:00 PM	5.5	5.0	11.1	
	9:00 PM	5.2	4.8	10.4	
	10:00 PM	5.3	4.8	10.7	
	11:00 PM	5.2	4.6	10.4	
1/20/2008	12:00 AM	4.6	4.7	9.2	No work in River
	1:00 AM	4.3	9.1	8.7	
	2:00 AM	4.2	7.9	8.4	
	3:00 AM	4.0	4.4	7.9	
	4:00 AM	3.8	25.2	7.6	
	5:00 AM	3.8	4.1	7.7	
	6:00 AM	4.0	5.5	7.9	
	7:00 AM	4.2	4.1	8.4	
	8:00 AM	4.5	4.3	9.1	
	9:00 AM	4.0	4.8	8.0	
	10:00 AM	4.1	4.7	8.2	
	11:00 AM	4.2	4.9	8.5	
	12:00 PM	4.3	5.4	8.5	
	1:00 PM	4.3	4.9	8.7	
	2:00 PM	5.5	5.9	11.0	
	3:00 PM	7.6	5.8	15.2	
	4:00 PM	25.8	5.9	51.7	
	5:00 PM	5.0	4.6	10.0	
	6:00 PM	4.5	4.5	9.0	
	7:00 PM	4.0	4.2	8.1	
	8:00 PM	3.7	4.1	7.5	
	9:00 PM	3.5	4.1	7.1	
	10:00 PM	3.6	4.0	7.1	
	11:00 PM	3.6	4.5	7.2	
	12:00 AM	3.6	4.5	7.2	
	1:00 AM	3.6	4.4	7.1	
	2:00 AM	3.5	5.0	6.9	
	3:00 AM	3.6	5.4	7.3	
	4:00 AM	3.8	5.6	7.6	
	5:00 AM	3.7	5.5	7.3	
	6:00 AM	3.7	5.4	7.4	
	7:00 AM	3.6	5.3	7.1	
	8:00 AM	3.4	5.3	6.8	

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Plainwell Mill Turbidity Data					
Date	Time	Upstream Hourly Average NTU	Downstream Hourly Average NTU	2X Upstream Hourly Average NTU	Comments
1/21/2008	9:00 AM	3.3	5.4	6.7	No work in River
	10:00 AM	3.4	5.3	6.8	
	11:00 AM	3.6	5.5	7.2	
	12:00 PM	4.1	5.6	8.1	
	1:00 PM	4.1	5.8	8.3	
	2:00 PM	4.4	5.8	8.8	
	3:00 PM	5.4	6.8	10.7	
	4:00 PM	6.1	7.5	12.2	
	5:00 PM	33.4	7.0	66.8	
	6:00 PM	28.0	6.7	56.0	
	7:00 PM	19.6	6.6	39.1	
	8:00 PM	19.4	6.6	38.9	
	9:00 PM	60.8	6.7	121.7	
	10:00 PM	27.7	6.8	55.4	
	11:00 PM	18.3	7.4	36.6	
1/22/2008	12:00 AM	18.3	8.7	36.6	No work in River
	1:00 AM	21.6	7.8	43.1	
	2:00 AM	26.0	8.2	52.0	
	3:00 AM	23.0	23.2	46.0	
	4:00 AM	23.5	12.2	47.0	
	5:00 AM	21.7	14.8	43.3	
	6:00 AM	20.2	7.6	40.3	
	7:00 AM	21.7	7.5	43.3	
	8:00 AM	25.5	7.7	51.0	
	9:00 AM	26.0	8.0	51.9	
	10:00 AM	27.2	7.6	54.4	
	11:00 AM	23.1	9.3	46.3	
	12:00 PM	24.3	8.4	48.7	
	1:00 PM	25.7	7.5	51.4	
	2:00 PM	25.3	7.7	50.5	
	3:00 PM	29.8	7.9	59.5	
	4:00 PM	30.2	9.0	60.3	
	5:00 PM	35.1	8.8	70.2	
	6:00 PM	24.2	9.0	48.3	
	7:00 PM	28.4	7.8	56.9	
	8:00 PM	22.5	7.3	45.1	
	9:00 PM	35.0	7.5	70.0	
	10:00 PM	25.6	7.7	51.2	
	11:00 PM	30.4	7.8	60.9	
1/23/2008	12:00 AM	34.2	7.4	68.3	No work in River
	1:00 AM	28.8	8.8	57.6	
	2:00 AM	28.1	7.5	56.3	
	3:00 AM	27.8	8.4	55.6	
	4:00 AM	37.2	8.2	74.5	
	5:00 AM	34.5	8.7	69.1	
	6:00 AM	32.0	8.8	64.0	
	7:00 AM	40.4	9.5	80.8	
	8:00 AM	35.5	8.0	71.1	
	9:00 AM	31.0	8.1	62.1	
	10:00 AM	28.5	8.8	57.0	
	11:00 AM	31.1	8.9	62.2	
	12:00 PM	31.4	9.1	62.8	
	1:00 PM	34.1	8.0	68.2	
	2:00 PM	35.8	8.1	71.6	
	3:00 PM	35.8	8.1	71.7	
	4:00 PM	32.7	9.0	65.4	
	5:00 PM	37.9	8.8	75.8	
	6:00 PM	35.4	7.8	70.7	
	7:00 PM	33.8	8.8	67.6	
	8:00 PM	31.8	10.7	63.6	

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Plainwell Mill Turbidity Data					
Date	Time	Upstream Hourly Average NTU	Downstream Hourly Average NTU	2X Upstream Hourly Average NTU	Comments
	9:00 PM	32.8	10.0	65.6	
	10:00 PM	32.2	11.2	64.4	
	11:00 PM	33.0	10.8	66.0	
1/24/2008	12:00 AM	30.4	12.0	60.8	No work in River
	1:00 AM	33.0	11.9	66.1	
	2:00 AM	34.1	11.0	68.2	
	3:00 AM	35.0	10.9	70.0	
	4:00 AM	33.2	11.7	66.4	
	5:00 AM	33.5	14.6	67.1	
	6:00 AM	33.2	11.9	66.3	
	7:00 AM	33.8	13.6	67.7	
	8:00 AM	33.4	14.3	66.8	
	9:00 AM	34.4	14.1	68.9	
	10:00 AM	32.3	15.0	64.6	
	11:00 AM	27.9	14.6	55.9	
	12:00 PM	28.6	11.5	57.1	
	1:00 PM	30.6	11.2	61.2	
	2:00 PM	8.7	5.1	17.5	
	3:00 PM	5.6	4.6	11.2	
	4:00 PM	4.2	3.7	8.3	
	5:00 PM	3.5	3.0	7.0	
	6:00 PM	3.0	2.5	5.9	
	7:00 PM	2.6	2.2	5.1	
	8:00 PM	2.2	1.9	4.4	
	9:00 PM	2.4	3.9	4.8	
	10:00 PM	2.1	2.4	4.1	
	11:00 PM	2.0	2.3	4.1	
1/25/2008	12:00 AM	2.1	2.1	4.1	No work in River
	1:00 AM	2.1	2.0	4.2	
	2:00 AM	2.2	2.1	4.4	
	3:00 AM	2.3	2.1	4.6	
	4:00 AM	2.5	2.2	5.0	
	5:00 AM	4.1	2.2	8.2	
	6:00 AM	3.5	2.2	7.1	
	7:00 AM	6.6	2.3	13.3	
	8:00 AM	511.2	25.9	1022.4	
	9:00 AM	1121.7	73.2	2243.5	
	10:00 AM	1413.1	1389.9	2826.1	
	11:00 AM	1813.5	2012.4	3627.1	
	12:00 PM	1813.5	1883.1	3627.1	
	1:00 PM	1396.1	1871.3	2792.3	
	2:00 PM	346.1	476.4	692.3	
	3:00 PM	10.1	6.0	20.1	
	4:00 PM	8.6	5.2	17.1	
	5:00 PM	8.0	4.8	16.0	
	6:00 PM	7.7	4.6	15.3	
	7:00 PM	7.2	4.3	14.5	
	8:00 PM	7.2	4.2	14.3	
	9:00 PM	6.9	4.0	13.8	
	10:00 PM	6.8	3.9	13.6	
	11:00 PM	6.6	3.8	13.1	
1/26/2008	12:00 AM	6.5	3.7	12.9	Units not in river
1/27/2008	12:00 AM	3.5	1.8	7.0	Units not in river
1/28/2008	12:00 AM	0.6	0.2	1.1	Reinstall Turbidity units upstream and downstream of Area D
1/29/2008	3:00 PM	3.9	2.5	7.8	Reinstall turbididty curtain and begin excavating Area D
	4:00 PM	3.8	3.6	7.6	
	5:00 PM	3.6	3.5	7.3	
	6:00 PM	3.6	3.6	7.2	
	7:00 PM	3.5	3.5	6.9	

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Plainwell Mill Turbidity Data					
Date	Time	Upstream Hourly Average NTU	Downstream Hourly Average NTU	2X Upstream Hourly Average NTU	Comments
	8:00 PM	4.3	8.1	8.6	excavating Area D
	9:00 PM	11.8	18.9	23.6	
	10:00 PM	6.6	8.8	13.2	
	11:00 PM	6.0	6.3	11.9	
1/30/2008	12:00 AM	6.6	6.5	13.2	Excavate Area D
	1:00 AM	8.1	8.5	16.2	
	2:00 AM	9.3	9.5	18.6	
	3:00 AM	10.3	10.3	20.5	
	4:00 AM	10.2	10.2	20.5	
	5:00 AM	11.4	11.3	22.8	
	6:00 AM	15.1	14.8	30.2	
	7:00 AM	19.9	19.7	39.7	
	8:00 AM	22.4	22.2	44.8	
	9:00 AM	22.0	22.0	44.1	
	10:00 AM	20.6	19.6	41.2	
	11:00 AM	16.6	16.7	33.3	
	12:00 PM	13.7	13.3	27.5	
	1:00 PM	11.5	22.2	23.1	
	2:00 PM	10.1	34.4	20.1	
	3:00 PM	8.6	41.8	17.3	
	4:00 PM	7.6	8.2	15.3	
	5:00 PM	6.9	7.3	13.8	
	6:00 PM	6.6	6.6	13.1	
	7:00 PM	5.9	8.3	11.8	
	8:00 PM	6.1	9.6	12.1	
	9:00 PM	6.0	9.3	12.0	
	10:00 PM	6.1	8.7	12.1	
	11:00 PM	5.0	8.2	9.9	
1/31/2008	12:00 AM	4.7	7.7	9.4	Collect confirmation samples Area D - East
	1:00 AM	4.5	7.3	9.0	
	2:00 AM	5.2	7.2	10.3	
	3:00 AM	4.4	7.0	8.9	
	4:00 AM	4.2	6.9	8.4	
	5:00 AM	4.1	6.9	8.2	
	6:00 AM	4.0	6.9	7.9	
	7:00 AM	3.7	6.8	7.4	
	8:00 AM	3.6	6.8	7.3	
	9:00 AM	3.6	6.8	7.2	
	10:00 AM	3.7	12.6	7.4	
	11:00 AM	3.7	8.4	7.4	
	12:00 PM	3.8	8.3	7.6	
	1:00 PM	4.4	8.8	8.7	
	2:00 PM	4.6	9.2	9.2	
	3:00 PM	5.1	10.4	10.2	
	4:00 PM	6.3	11.2	12.6	
	5:00 PM	7.7	11.8	15.4	
	6:00 PM	9.8	13.5	19.6	
	7:00 PM	5.1	11.4	10.2	
	8:00 PM	4.6	4.4	9.3	
	9:00 PM	3.9	4.0	7.9	
	10:00 PM	3.9	3.7	7.9	
	11:00 PM	3.6	3.6	7.3	
	12:00 AM	3.8	3.5	7.7	
	1:00 AM	3.6	3.5	7.3	
	2:00 AM	3.5	3.6	7.0	
	3:00 AM	3.6	3.3	7.2	
	4:00 AM	3.6	3.6	7.3	
	5:00 AM	3.7	7.1	7.3	
	6:00 AM	3.7	5.0	7.5	
	7:00 AM	3.8	5.2	7.6	

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Plainwell Mill Turbidity Data					
Date	Time	Upstream Hourly Average NTU	Downstream Hourly Average NTU	2X Upstream Hourly Average NTU	Comments
2/1/2008	8:00 AM	3.9	13.4	7.7	No work in River
	9:00 AM	4.0	11.2	8.1	
	10:00 AM	4.2	11.7	8.4	
	11:00 AM	4.8	13.3	9.6	
	12:00 PM	5.0	9.6	10.0	
	1:00 PM	5.3	10.0	10.5	
	2:00 PM	5.4	8.2	10.8	
	3:00 PM	5.5	8.5	11.0	
	4:00 PM	5.5	10.7	11.0	
	5:00 PM	5.5	7.7	11.0	
	6:00 PM	5.3	8.1	10.6	
	7:00 PM	5.1	6.9	10.3	
	8:00 PM	5.2	6.9	10.4	
	9:00 PM	5.2	8.0	10.5	
	10:00 PM	5.1	7.9	10.2	
	11:00 PM	5.2	8.6	10.3	
2/2/2008	12:00 AM	5.4	7.5	10.8	No work in River
	1:00 AM	5.1	7.9	10.3	
	2:00 AM	5.2	7.1	10.4	
	3:00 AM	5.1	9.7	10.1	
	4:00 AM	5.2	9.9	10.4	
	5:00 AM	5.5	8.0	11.0	
	6:00 AM	5.5	8.3	11.0	
	7:00 AM	5.4	6.3	10.9	
	8:00 AM	5.3	5.9	10.7	
	9:00 AM	5.3	6.8	10.5	
	10:00 AM	5.2	11.8	10.4	
	11:00 AM	5.0	10.7	10.0	
	12:00 PM	5.1	7.7	10.1	
	1:00 PM	4.8	7.2	9.6	
	2:00 PM	4.7	6.8	9.4	
	3:00 PM	4.4	6.1	8.8	
	4:00 PM	4.4	14.7	8.7	
	5:00 PM	4.5	135.9	9.0	
	6:00 PM	4.4	44.5	8.9	
	7:00 PM	4.5	12.3	9.0	
	8:00 PM	4.6	5.8	9.2	
	9:00 PM	4.6	4.3	9.1	
	10:00 PM	4.7	4.6	9.4	
	11:00 PM	4.9	4.7	9.8	
2/3/2008	12:00 AM	4.8	4.7	9.6	No work in River
	1:00 AM	4.8	4.7	9.7	
	2:00 AM	4.9	4.9	9.7	
	3:00 AM	5.0	4.9	9.9	
	4:00 AM	5.0	5.0	9.9	
	5:00 AM	5.0	5.0	10.0	
	6:00 AM	5.2	5.5	10.4	
	7:00 AM	5.0	6.0	9.9	
	8:00 AM	4.9	7.4	9.8	
	9:00 AM	4.7	5.8	9.4	
	10:00 AM	4.7	4.7	9.5	
	11:00 AM	4.4	4.3	8.8	
	12:00 PM	4.4	4.3	8.8	
	1:00 PM	4.3	4.0	8.5	
	2:00 PM	4.1	3.9	8.3	
	3:00 PM	4.0	4.1	8.0	
	4:00 PM	3.9	4.3	7.7	
	5:00 PM	3.8	3.7	7.7	
	6:00 PM	3.6	4.2	7.3	
	7:00 PM	3.8	3.6	7.6	

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Plainwell Mill Turbidity Data					
Date	Time	Upstream Hourly Average NTU	Downstream Hourly Average NTU	2X Upstream Hourly Average NTU	Comments
	8:00 PM	3.7	3.4	7.3	
	9:00 PM	3.6	3.4	7.2	
	10:00 PM	3.5	3.3	6.9	
	11:00 PM	3.5	3.4	7.1	
2/4/2008	12:00 AM	3.73	3.83	7.45	No work in River
	1:00 AM	3.63	3.70	7.25	
	2:00 AM	3.68	3.73	7.35	
	3:00 AM	3.88	3.73	7.75	
	4:00 AM	3.75	3.78	7.50	
	5:00 AM	3.98	3.98	7.95	
	6:00 AM	4.10	4.58	8.20	
	7:00 AM	3.98	4.38	7.95	
	8:00 AM	4.15	4.68	8.30	
	9:00 AM	4.23	5.23	8.45	
	10:00 AM	4.25	5.88	8.50	
	11:00 AM	4.30	4.95	8.60	
	12:00 PM	4.35	4.83	8.70	
	1:00 PM	4.48	6.38	8.95	
	2:00 PM	4.23	5.70	8.45	
	3:00 PM	4.35	7.20	8.70	
	4:00 PM	4.43	8.18	8.85	
	5:00 PM	4.43	6.83	8.85	
	6:00 PM	4.38	8.55	8.75	
	7:00 PM	4.48	5.60	8.95	
	8:00 PM	4.60	7.23	9.20	
	9:00 PM	4.85	6.20	9.70	
	10:00 PM	4.90	6.00	9.80	
	11:00 PM	4.93	6.00	9.85	
2/5/2008	12:00 AM	5.25	5.53	10.50	Re-excavate Area D - Encounter slight sheen. Stop Excavation and place clay fill material and rip rap along entire 300 feet of Areea D East
	1:00 AM	5.28	6.15	10.55	
	2:00 AM	5.38	6.60	10.75	
	3:00 AM	5.60	6.58	11.20	
	4:00 AM	5.58	6.00	11.15	
	5:00 AM	5.78	6.45	11.55	
	6:00 AM	6.08	7.40	12.15	
	7:00 AM	6.10	8.80	12.20	
	8:00 AM	7.00	7.05	14.00	
	9:00 AM	6.63	10.15	13.25	
	10:00 AM	7.00	7.80	14.00	
	11:00 AM	7.73	9.10	15.45	
	12:00 PM	8.40	8.58	16.80	
	1:00 PM	8.58	8.35	17.15	
	2:00 PM	7.88	7.90	15.75	
	3:00 PM	7.50	39.88	15.00	
	4:00 PM	7.03	19.63	14.05	
	5:00 PM	6.68	7.03	13.35	
	6:00 PM	6.38	6.38	12.75	
	7:00 PM	6.20	6.80	12.40	
	8:00 PM	6.08	34.28	12.15	
	9:00 PM	6.30	6.60	12.60	
	10:00 PM	6.20	8.93	12.40	
	11:00 PM	6.25	469.45	12.50	
	12:00 AM	6.13	6.13	12.25	
	1:00 AM	6.23	6.03	12.45	
	2:00 AM	6.33	6.05	12.65	
	3:00 AM	6.30	6.05	12.60	
	4:00 AM	6.20	6.08	12.40	
	5:00 AM	6.18	6.03	12.35	
	6:00 AM	6.15	6.05	12.30	
	7:00 AM	6.10	6.45	12.20	

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Plainwell Mill Turbidity Data					
Date	Time	Upstream Hourly Average NTU	Downstream Hourly Average NTU	2X Upstream Hourly Average NTU	Comments
2/6/2008	8:00 AM	6.35	6.18	12.70	Move Silt Curtains
	9:00 AM	6.33	6.33	12.65	
	10:00 AM	6.55	7.13	13.10	
	11:00 AM	6.65	30.78	13.30	
	12:00 PM	7.03	12.43	14.05	
	1:00 PM	6.93	7.50	13.85	
	2:00 PM	6.85	25.80	13.70	
	3:00 PM	6.68	18.50	13.35	
	4:00 PM	6.33	13.20	12.65	
	5:00 PM	6.15	6.80	12.30	
	6:00 PM	5.73	6.28	11.45	
	7:00 PM	5.70	6.03	11.40	
	8:00 PM	5.38	5.85	10.75	
	9:00 PM	5.55	5.85	11.10	
	10:00 PM	5.28	43.75	10.55	
	11:00 PM	5.38	5.50	10.75	
2/7/2008	12:00 AM	5.30	5.40	10.60	No work in River
	1:00 AM	5.33	5.40	10.65	
	2:00 AM	5.40	5.40	10.80	
	3:00 AM	5.30	5.53	10.60	
	4:00 AM	5.35	5.55	10.70	
	5:00 AM	5.20	5.30	10.40	
	6:00 AM	5.18	5.28	10.35	
	7:00 AM	5.25	5.30	10.50	
	8:00 AM	5.23	5.25	10.45	
	9:00 AM	5.23	5.10	10.45	
	10:00 AM	5.15	9.68	10.30	
	11:00 AM	5.03	15.10	10.05	
	12:00 PM	5.00	528.35	10.00	
	1:00 PM	4.83	186.33	9.65	
	2:00 PM	4.70	1080.33	9.40	
	3:00 PM	4.68	373.18	9.35	
	4:00 PM	4.50	521.33	9.00	
	5:00 PM	5.18	6.13	10.35	
	6:00 PM	4.28	6.18	8.55	
	7:00 PM	4.25	8.95	8.50	
	8:00 PM	4.15	35.75	8.30	
	9:00 PM	4.20	9.30	8.40	
	10:00 PM	4.25	26.65	8.50	
	11:00 PM	4.35	9.75	8.70	
2/8/2008	12:00 AM	4.45	5.48	8.90	No work in River
	1:00 AM	4.45	5.10	8.90	
	2:00 AM	4.38	5.23	8.75	
	3:00 AM	4.48	4.83	8.95	
	4:00 AM	4.45	7.63	8.90	
	5:00 AM	4.50	17.73	9.00	
	6:00 AM	4.33	40.90	8.65	
	7:00 AM	4.48	7.80	8.95	
	8:00 AM	4.40	4.90	8.80	
	9:00 AM	4.33	4.48	8.65	
	10:00 AM	4.30	4.58	8.60	
	11:00 AM	4.25	4.43	8.50	
	12:00 PM	4.13	4.45	8.25	
	1:00 PM	4.10	4.23	8.20	
	2:00 PM	3.85	4.15	7.70	
	3:00 PM	3.68	4.00	7.35	
	4:00 PM	3.73	4.00	7.45	
	5:00 PM	3.60	4.13	7.20	
	6:00 PM	3.75	4.20	7.50	
	7:00 PM	3.75	4.13	7.50	

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Plainwell Mill Turbidity Data					
Date	Time	Upstream Hourly Average NTU	Downstream Hourly Average NTU	2X Upstream Hourly Average NTU	Comments
	8:00 PM	3.73	4.20	7.45	
	9:00 PM	4.03	4.25	8.05	
	10:00 PM	3.98	4.65	7.95	
	11:00 PM	4.13	4.55	8.25	
2/9/2008	12:00 AM	4.08	4.65	8.15	No work in River
	1:00 AM	4.35	4.68	8.70	
	2:00 AM	4.25	4.88	8.50	
	3:00 AM	4.30	4.75	8.60	
	4:00 AM	4.40	4.95	8.80	
	5:00 AM	4.25	5.08	8.50	
	6:00 AM	4.45	4.98	8.90	
	7:00 AM	4.33	4.85	8.65	
	8:00 AM	4.20	4.88	8.40	
	9:00 AM	4.20	4.60	8.40	
	10:00 AM	4.10	5.15	8.20	
	11:00 AM	4.05	530.63	8.10	
	12:00 PM	4.00	4.48	8.00	
	1:00 PM	4.03	4.28	8.05	
	2:00 PM	3.95	4.00	7.90	
	3:00 PM	3.83	4.18	7.65	
	4:00 PM	3.83	4.18	7.65	
	5:00 PM	3.70	3.88	7.40	
	6:00 PM	3.58	3.98	7.15	
	7:00 PM	3.58	3.85	7.15	
	8:00 PM	3.68	3.93	7.35	
	9:00 PM	3.78	3.90	7.55	
	10:00 PM	3.88	3.98	7.75	
	11:00 PM	3.80	4.13	7.60	
2/10/2008	12:00 AM	4.00	4.10	8.00	No work in River
	1:00 AM	4.05	4.10	8.10	
	2:00 AM	4.10	4.28	8.20	
	3:00 AM	4.05	4.25	8.10	
	4:00 AM	4.25	4.25	8.50	
	5:00 AM	4.35	4.23	8.70	
	6:00 AM	4.10	4.45	8.20	
	7:00 AM	4.33	4.55	8.65	
	8:00 AM	4.53	4.58	9.05	
	9:00 AM	4.50	4.40	9.00	
	10:00 AM	4.43	4.53	8.85	
	11:00 AM	4.50	5.53	9.00	
	12:00 PM	4.35	11.53	8.70	
	1:00 PM	4.50	13.85	9.00	
	2:00 PM	4.43	15.18	8.85	
	3:00 PM	4.33	16.23	8.65	
	4:00 PM	4.85	28.98	9.70	
	5:00 PM	4.68	34.20	9.35	
	6:00 PM	4.35	33.85	8.70	
	7:00 PM	4.60	32.75	9.20	
	8:00 PM	5.20	34.15	10.40	
	9:00 PM	6.48	34.63	12.95	
	10:00 PM	6.15	33.55	12.30	
	11:00 PM	6.28	33.75	12.55	
	12:00 AM	6.40	31.93	12.80	
	1:00 AM	6.55	29.13	13.10	
	2:00 AM	6.63	27.85	13.25	
	3:00 AM	6.58	26.50	13.15	
	4:00 AM	6.58	24.78	13.15	
	5:00 AM	6.65	24.53	13.30	
	6:00 AM	6.53	25.03	13.05	
	7:00 AM	6.68	25.63	13.35	

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Plainwell Mill Turbidity Data					
Date	Time	Upstream Hourly Average NTU	Downstream Hourly Average NTU	2X Upstream Hourly Average NTU	Comments
2/11/2008	8:00 AM	6.70	26.45	13.40	No work in River
	9:00 AM	6.65	27.15	13.30	
	10:00 AM	6.75	27.80	13.50	
	11:00 AM	6.98	28.68	13.95	
	12:00 PM	7.35	29.15	14.70	
	1:00 PM	7.93	29.53	15.85	
	2:00 PM	8.95	32.28	17.90	
	3:00 PM	10.45	24.75	20.90	
	4:00 PM	6.75	7.85	13.50	
	5:00 PM	6.18	7.00	12.35	
	6:00 PM	6.10	7.03	12.20	
	7:00 PM	5.63	6.15	11.25	
	8:00 PM	5.43	5.48	10.85	
	9:00 PM	5.55	5.13	11.10	
	10:00 PM	4.98	5.10	9.95	
	11:00 PM	4.80	4.93	9.60	
2/12/2008	12:00 AM	4.55	4.75	9.10	Excavation Area D West
	1:00 AM	4.38	4.33	8.75	
	2:00 AM	4.15	4.43	8.30	
	3:00 AM	4.15	4.15	8.30	
	4:00 AM	4.20	4.40	8.40	
	5:00 AM	4.13	4.40	8.25	
	6:00 AM	3.83	4.38	7.65	
	7:00 AM	3.73	4.35	7.45	
	8:00 AM	3.78	4.28	7.55	
	9:00 AM	3.50	4.25	7.00	
	10:00 AM	3.40	4.23	6.80	
	11:00 AM	3.40	16.98	6.80	
	12:00 PM	3.45	4.44	6.90	
	1:00 PM	3.55	5.40	7.10	
	2:00 PM	3.63	4.06	7.25	
	3:00 PM	3.43	4.62	6.85	
	4:00 PM	3.55	3.51	7.10	
	5:00 PM	3.80	3.40	7.60	
	6:00 PM	3.70	3.41	7.40	
	7:00 PM	3.65	3.47	7.30	
	8:00 PM	3.48	3.51	6.95	
	9:00 PM	3.40	3.51	6.80	
	10:00 PM	3.25	3.53	6.50	
	11:00 PM	3.23	3.60	6.45	
2/13/2008	12:00 AM	3.20	3.53	6.40	Excavation Area D West
	1:00 AM	3.18	3.50	6.35	
	2:00 AM	2.98	3.60	5.95	
	3:00 AM	3.03	3.30	6.05	
	4:00 AM	3.03	3.06	6.05	
	5:00 AM	2.93	3.05	5.85	
	6:00 AM	2.88	3.05	5.75	
	7:00 AM	2.80	3.04	5.60	
	8:00 AM	2.80	3.05	5.60	
	9:00 AM	2.68	3.06	5.35	
	10:00 AM	2.65	3.07	5.30	
	11:00 AM	2.78	3.08	5.55	
	12:00 PM	2.78	3.10	5.55	
	1:00 PM	2.83	3.18	5.65	
	2:00 PM	3.33	2.95	6.65	

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Table 2 - Confirmation Samples Post Excavation

Weyerhaeuser Analytical & Testing Services
32901 Weyerhaeuser Way South
Federal Way, WA 98003

Summary Report
Kalamazoo River RMT Sediment and Water
Method: EPA 8082

Client ID		PM-SD-35	PM-SD-36	PM-SD-37	PM-SD-38	PM-SD-39	PM-SD-40
Sample Date		1/31/08	1/31/08	1/31/08	1/31/08	1/31/08	1/31/08
Sample Time		8:38	8:42	8:46	8:50	8:55	8:59
Analyte	CAS	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Aroclor-1016	12674-11-2	1.3 PD	13 D	2.8 PD	0.22 D	1.1 PD	8.3 D
Aroclor-1221	11104-28-2	<0.21	<1.0	<1.2	<0.14	<0.17	<1.1
Aroclor-1232	11114-16-5	<0.21	<1.0	<1.2	<0.14	<0.17	<1.1
Aroclor-1242	53469-21-9	<0.21	<1.0	<1.2	<0.14	<0.17	<1.1
Aroclor-1248	12672-29-6	2.6 D	7.0 PD	5.8 D	0.34 PD	0.44 PD	12 D
Aroclor-1254	11097-69-1	2.8D	4.3 D	3.8 D	0.29 D	0.24 PD	7.0 D
Aroclor-1260	11096-82-5	0.34 D	<1.0	<1.2	<0.14	<0.17	<1.1
Total PCBs	-	**7.04**	**24.3**	**12.4**	**0.85**	**1.78**	**27.3**

Note:

1. "R" After the sample name PM-SD-000R indicates the location was re-excavated and resampled.
2. The targeted postexcavation concentration for sediment and soil is 1 mg/kg and 4 mg/kg, respectively.
3. "D" Surrogate taken from a diluted run
4. "P" Indicates result from the highest of the two columns
5. "ND" Indicates No-Detected Aroclors

Table 2 - Confirmation Samples Post Excavation

Weyerhaeuser Analytical & Testing Services
32901 Weyerhaeuser Way South
Federal Way, WA 98003

Summary Report
Kalamazoo River RMT Sediment and Water
Method: EPA 8082

Client ID		PM-SD-41	PM-SD-42	PM-SD-43	PM-SD-44	PM-SD-45	PM-SD-46
Sample Date		1/31/08	2/13/08	2/13/08	2/13/08	2/13/08	2/13/08
Sample Time		9:03	13:05	13:10	13:15	13:21	13:27
Analyte	CAS	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Aroclor-1016	12674-11-2	20 D	<0.010	<0.010	<0.11	<0.010	<0.012
Aroclor-1221	11104-28-2	<16	<0.010	<0.010	<0.11	<0.010	<0.012
Aroclor-1232	11114-16-5	<16	<0.010	<0.010	<0.11	<0.010	<0.012
Aroclor-1242	53469-21-9	<16	<0.010	<0.010	<0.11	<0.010	<0.012
Aroclor-1248	12672-29-6	160 D	0.13	0.20	1.3	0.023	0.079 P
Aroclor-1254	11097-69-1	310 D	<0.010	<0.010	0.27	0.017	0.083
Aroclor-1260	11096-82-5	23 PD	<0.010	<0.010	<0.11	<0.010	<0.012
Total PCBs	-	**513**	**0.13**	**0.20**	**1.57**	**0.04**	**0.16**

Note:

1. "R" After the sample name PM-SD-000R indicates the location was re-excavated and resampled.
2. The targeted postexcavation concentration for sediment and soil is 1 mg/kg and 4 mg/kg, respectively.
3. "D" Surrogate taken from a diluted run
4. "P" Indicates result from the highest of the two columns
5. "ND" Indicates No-Detected Aroclors

Table 3 - Pre-Excavation Samples

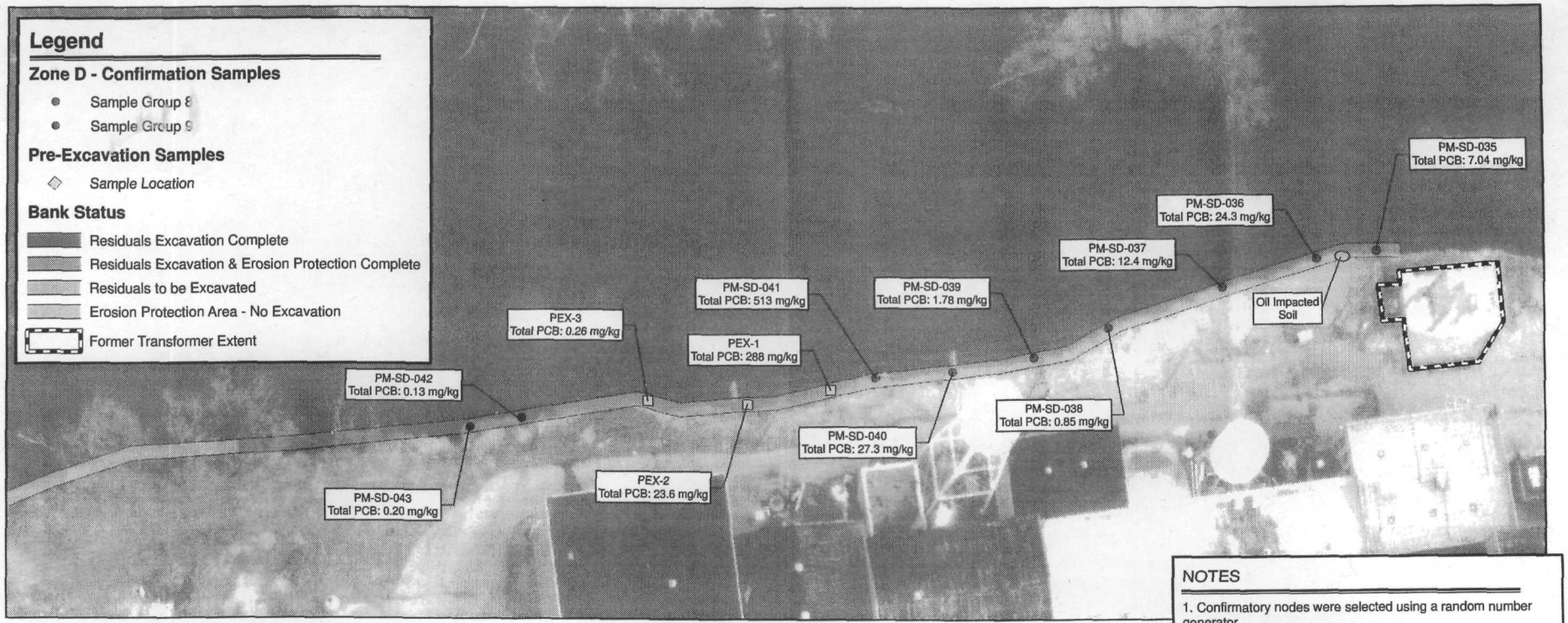
E.C.C.S.
2525 Advance Road
Madison, WI 53718

Summary Report
Kalamazoo River RMT Sediment and Water
Method: EPA 8081

Client ID		PEX-1	PEX-2	PEX-3	PEX-8	PEX-9	PEX-10	PEX-11	PEX-12	PEX-13	PEX-14
Sample Date		2/7/08	2/7/08	2/7/08	2/13/08	2/13/08	2/13/08	2/13/08	2/13/08	2/13/08	2/13/08
Sample Time		11:24	11:27	11:32	14:15	14:17	14:21	14:28	14:32	14:40	14:50
Analyte	CAS	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg	mg/Kg
Aroclor-1016	12674-11-2	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Aroclor-1221	11104-28-2	57	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Aroclor-1232	11114-16-5	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Aroclor-1242	53469-21-9	75	14	0.11	0.94	<0.10	0.23	<0.10	0.25	8.1	<0.10
Aroclor-1248	12672-29-6	76	4.9	0.15	9.3	0.17	1.3	0.31	0.25	2.6	0.39
Aroclor-1254	11097-69-1	65	3.7	<0.10	11	0.18	1.2	0.76	0.26	1.0	0.41
Aroclor-1260	11096-82-5	15	0.98	<0.10	2.2	<0.10	0.32	<0.10	<0.10	0.31	<0.10
Total PCBs	**-**	**288**	**23.6**	**0.26**	**23.44**	**0.35**	**3.05**	**1.07**	**0.76**	**12.01**	**0.80**

Note:
1. "R" After the sample name PM-SD-000R indicates the location was re-excavated and
2. The targeted postexcavation concentration for sediment and soil is 1 mg/kg and 4
3. "D" Surrogate taken from a diluted run
4. "P" Indicates result from the highest of the two columns
5. "ND" Indicates No-Detected Aroclors

FIGURES

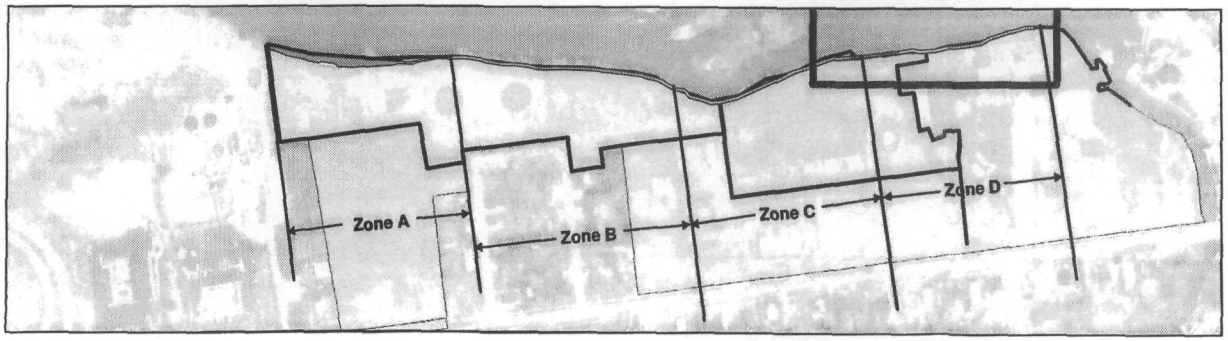


NOTES

1. Confirmatory nodes were selected using a random number generator.
2. All locations are approximate.
3. "PEX" denotes samples collected prior to excavation

0 12.5 25 50 Feet

1 inch equals 50 feet

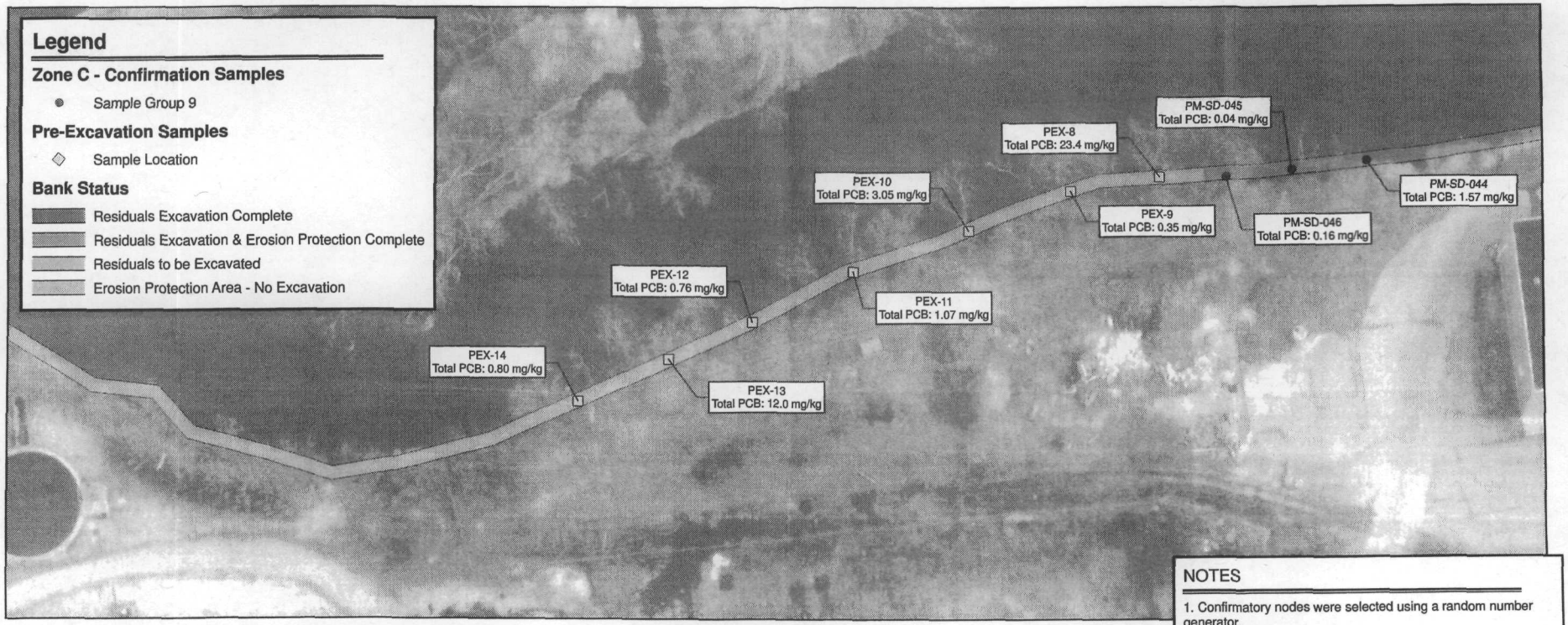


PROJECT: WEYERHAEUSER COMPANY KALAMAZOO RIVER SUPERFUND SITE			
SHEET TITLE: ZONE D SAMPLING LOCATIONS PLAINWELL MILL BANKS			
DRAWN BY:	SCALE: AS NOTED	PROJ. NO.:	00-05130.04
CHECKED BY:		FILE NO.:	51300404
APPROVED BY:	DATE PRINTED: 2/26/08	FIGURE 1	
DATE: FEBRUARY 2008			

RMT

150 N. Patrick Blvd., Suite 160
Brookfield, WI 53045-5854
Phone: 262-679-1212
Fax: 262-679-1200

D:\05130\04\51300404.mxd 1/4/2008 13:20:29

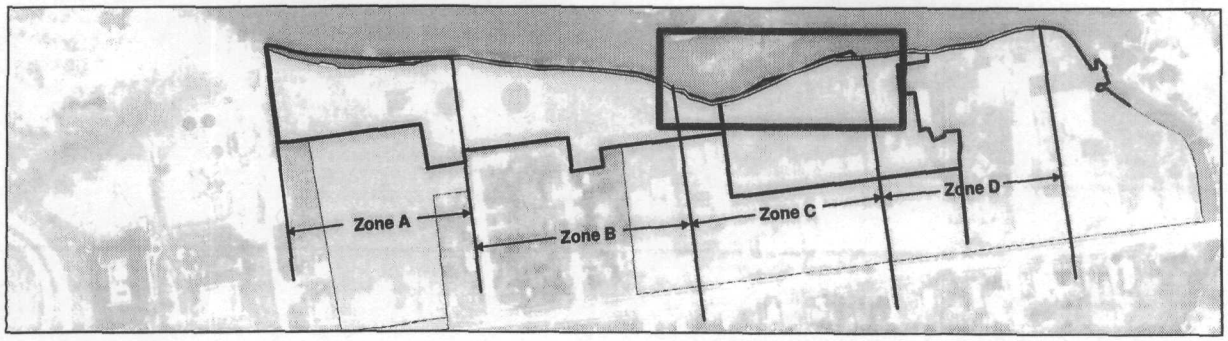


NOTES

1. Confirmatory nodes were selected using a random number generator.
2. All locations are approximate.
3. "PEX" denotes samples collected prior to excavation

0 12.5 25 50 Feet

1 inch equals 50 feet



PROJECT: WEYERHAEUSER COMPANY KALAMAZOO RIVER SUPERFUND SITE		
SHEET TITLE: ZONE C SAMPLING LOCATIONS PLAINWELL MILL BANKS		
DRAWN BY:	SCALE: AS NOTED	PROJ. NO.: 00-05130.04
CHECKED BY:		FILE NO.: 51300404
APPROVED BY:	DATE PRINTED: 2/26/08	FIGURE 2
DATE: FEBRUARY 2008		

RMT

150 N. Patrick Blvd., Suite 180
Brookfield, WI 53045-5854
Phone: 262-679-1212
Fax: 262-679-1220

D:\05130\04\51300404.mxd 1/4/2008 13:20:29

Attachment 1
Photographic Log

RMT

Photographic Log

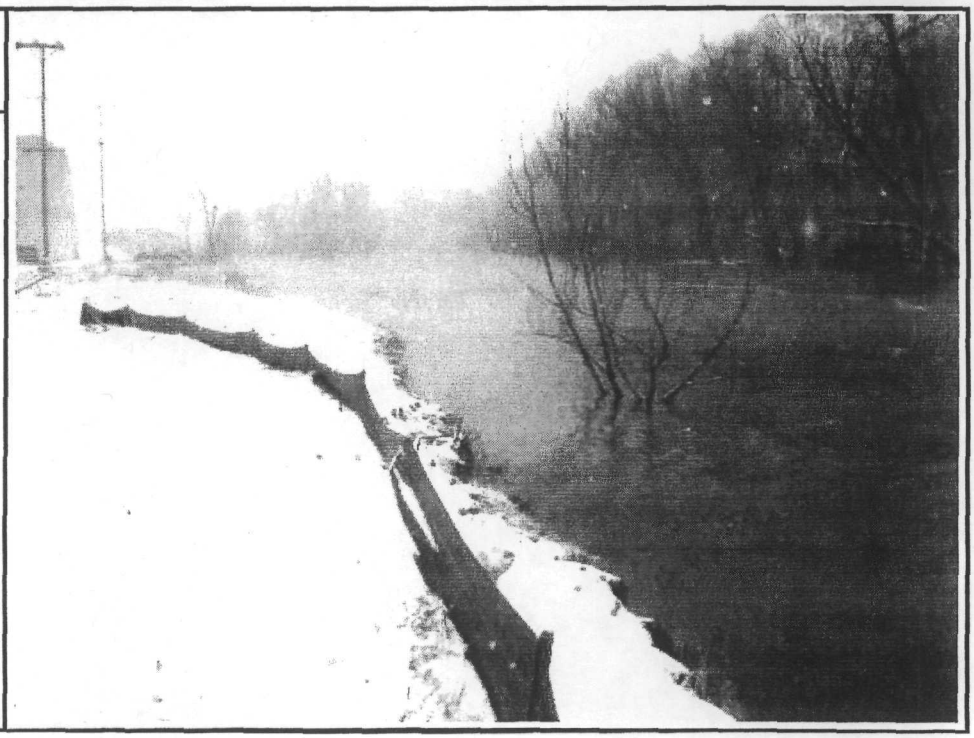
Client Name:	Site Location:	Project No.:
Weyerhaeuser Company	Plainwell, Michigan	00-05130.05

Photo No.	Date
1	1/14/08

Description
Area D prior to excavation

Photo No.	Date
2	1/14/08

Description
East end of area D prior to excavation



RMT

Photographic Log

Client Name:	Site Location:	Project No.:
Weyerhaeuser Company	Plainwell, Michigan	00-05130.05

Photo No.	Date
3	1/31/08

Description
Area D after initial exaction looking west

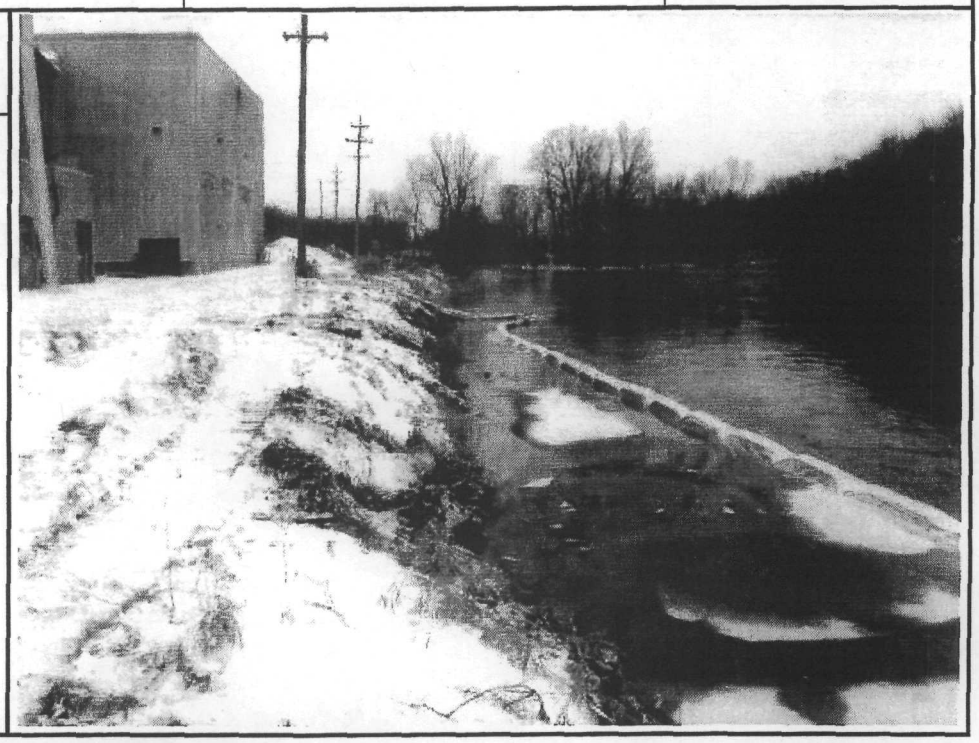
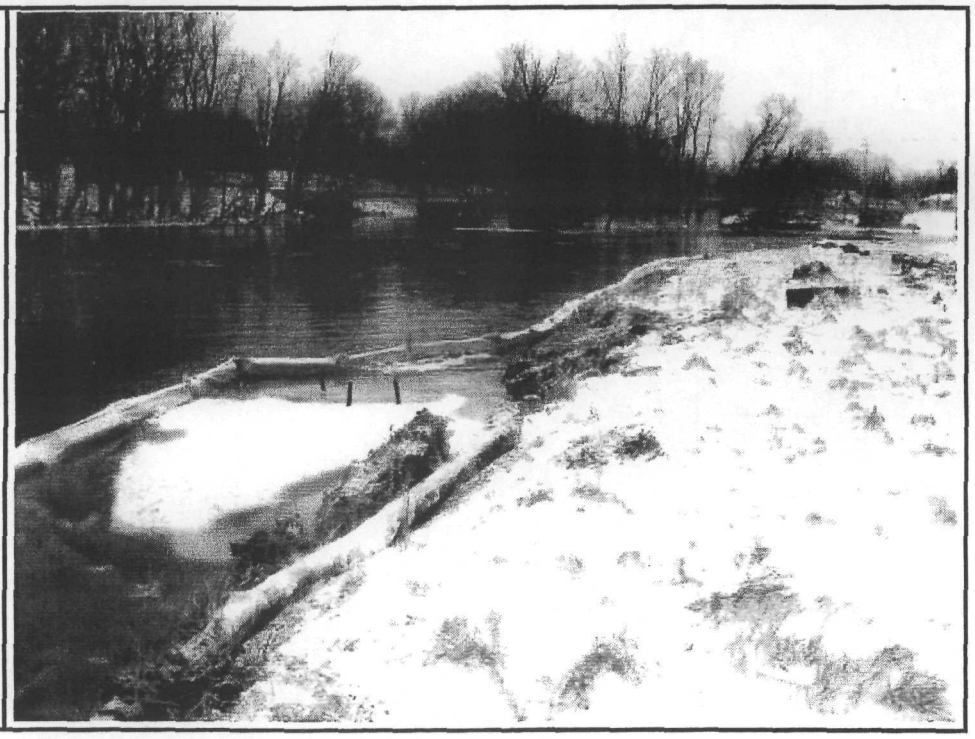


Photo No.	Date
4	1/31/08

Description
Area D after initial excavation looking east



RMT

Photographic Log

Client Name:	Site Location:	Project No.:
Weyerhaeuser Company	Plainwell, Michigan	00-05130.05

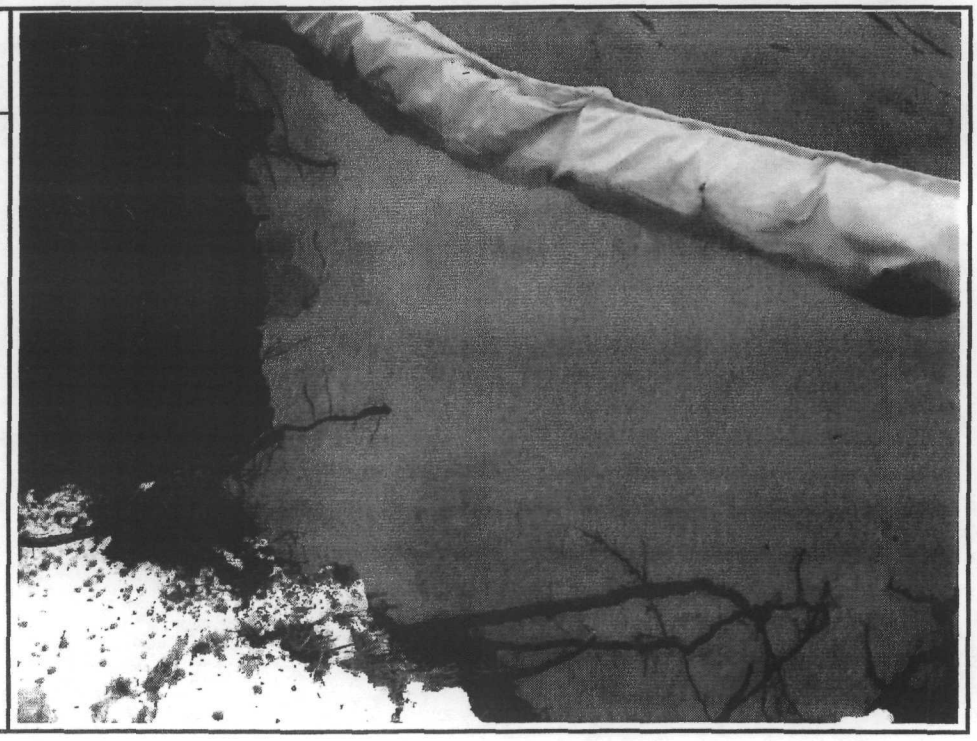
Photo No.	Date
5	2/5/08

Description
Re-excavation east end of Area D – stone rip rap and crushed concrete in bank

Photo No.	Date
6	2/5/08

Description
Thin oily sheen encountered within the concrete fill material at east end of Area D.

Contained with absorbent booms and subsequently sealed with clay fill and rip rap.



Attachment 2
TriMatrix Laboratory Letter and Nonconformance Report

TriMatrix
Laboratories, Inc.

5560 Corporate Exchange Court SE
Grand Rapids, MI 49512

(616) 975-4500 • Fax (616) 942-7463

February 25, 2008

Ms. Kathy Huibregtse, Vice President
RMT, Inc.
150 Patrick Blvd., Suite 180
Brookfield, WI 53045

RE: Plainwell Mill

Dear Ms. Hubregtse:

This letter documents TriMatrix review of the metals analysis on a fill material sample performed for RMT, Inc. in January 2008. The fill sample, identified as "PM Fill" (TriMatrix sample number 0801032-01) was received by TriMatrix on January 3, 2008 and analyzed for mercury on January 8, 2008 for the remaining and January 14, 2008. The chain of custody showing the sampling dates and requested analyses is attached to this letter.

As the following paragraphs detail, the metals results for sample ID PM Fill were initially reported incorrectly. The metals results for this sample were higher than expected. Consequently, RMT collected additional samples, Initial-1, Initial-2, Pit-1 and Pit-2 for metals analysis. Based on the consistent results of these four (4) samples as well as the differences in PM-Fill, TriMatrix was requested by RMT to re-digest and re-analyze the PM-Fill sample. This sample was logged in with a new number (TriMatrix 0802085-01) and analyzed. The re-analysis results did not match the initial analysis but were more consistent with the other four samples. The lab results for the additional four samples are also included with this letter.

Based on these differences, TriMatrix was asked by RMT to investigate the discrepancy. Both the original sample and the dried portions of the initial and confirmation analysis were pulled and inspected by TriMatrix' Quality Assurance Manager. The original sample was light brown in color which matched the dried portion of the confirmation analysis. The color of the dried portion from the initial analysis was light gray in color. Clearly, the initial and confirmation samples were not the same. The only other solid sample received that day was also from RMT (PM-Pad). That sample was gray in color and the appearance matched that of the dried portion for the initial sample. Based on the quality control review, it was concluded that the PM-Pad was initially digested, analyzed and then incorrectly reported as PM-Fill, thus explaining the unexpected metals results. It was further concluded that the confirmation analysis was performed on the correct PM

Fill sample and the metals results for the re-analysis properly characterized the fill sample. Photographs of these samples have been included with this letter.

In accordance with our laboratory quality control program, a non-conformance investigation was initiated in response to this situation and is included with this letter. In response to this incident, we have already modified our metals sample recording procedures to eliminate the potential for a recurrence of this problem.

As a point of clarification, with regard to the organic results reported for this sample, the correct sample was analyzed and reported. For Volatile Organics (VOCs), there was a separate sample container collected which is stored in a refrigerator directly in the Volatile Lab. The Semi-Volatile, Pesticides and PCBs are all extracted and analyzed in a different lab area and by a different set of analysts. These organic analysts label all their glassware based on the sample/tag which is with it so it is highly unlikely the incorrect sample could have made it through our LIMS system to reporting.

Please feel free to contact me with any questions or if you need additional information. Also, please feel free to provide this letter and attachments to any agencies necessary.

On behalf of TriMatrix, I deeply apologize for all the problems this mistake has caused you and your client.

Sincerely,

Jennifer L. Rice
Project Chemist

Enclosure

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**RMT, Inc. - Grand Rapids Office**	Work Order:	**0802022**
Project:	Plainwell Mill	Description:	Laboratory Services
Client Sample ID:	**Intial-1**	Sampled:	02/04/08 08:05
Lab Sample ID:	**0802022-01**	Sampled By:	E. Vincke
Matrix:	Soil	Received:	02/04/08 14:00
Percent Solids:			

Total Metals by EPA 6000/7000 Series Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
***Arsenic**	**4.2**	0.20	mg/kg dry wt.	1	USEPA-6020A	02/06/08	DSC	0801274
Barium	**34**	1.0	mg/kg dry wt.	1	USEPA-6020A	02/06/08	DSC	0801274
Cadmium	<0.20	0.20	mg/kg dry wt.	1	USEPA-6020A	02/06/08	DSC	0801274
Chromium	**9.2**	2.0	mg/kg dry wt.	1	USEPA-6020A	02/06/08	DSC	0801274
Lead	**8.6**	1.0	mg/kg dry wt.	1	USEPA-6020A	02/06/08	DSC	0801274
Mercury	<0.050	0.050	mg/kg dry wt.	1	USEPA-7471A	02/05/08	KLV	0801249
Selenium	<0.20	0.20	mg/kg dry wt.	1	USEPA-6020A	02/06/08	DSC	0801274
Silver	<0.10	0.10	mg/kg dry wt.	1	USEPA-6020A	02/06/08	DSC	0801274

*See Statement of Data Qualifications

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TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**RMT, Inc. - Grand Rapids Office**	Work Order:	**0802022**
Project:	Plainwell Mill	Description:	Laboratory Services
Client Sample ID:	**Intial-2**	Sampled:	02/04/08 08:10
Lab Sample ID:	**0802022-02**	Sampled By:	E. Vincke
Matrix:	Soil	Received:	02/04/08 14:00
Percent Solids:			

Total Metals by EPA 6000/7000 Series Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Arsenic	**5.8**	0.20	mg/kg dry wt.	1	USEPA-6020A	02/06/08	DSC	0801274
Barium	**35**	1.0	mg/kg dry wt.	1	USEPA-6020A	02/06/08	DSC	0801274
Cadmium	<0.20	0.20	mg/kg dry wt.	1	USEPA-6020A	02/06/08	DSC	0801274
Chromium	**11**	2.0	mg/kg dry wt.	1	USEPA-6020A	02/06/08	DSC	0801274
Lead	**10**	1.0	mg/kg dry wt.	1	USEPA-6020A	02/06/08	DSC	0801274
Mercury	<0.050	0.050	mg/kg dry wt.	1	USEPA-7471A	02/05/08	KLV	0801249
Selenium	<0.20	0.20	mg/kg dry wt.	1	USEPA-6020A	02/06/08	DSC	0801274
Silver	<0.10	0.10	mg/kg dry wt.	1	USEPA-6020A	02/06/08	DSC	0801274

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TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**RMT, Inc. - Grand Rapids Office**	Work Order:	**0802023**
Project:	Plainwell Mill	Description:	Laboratory Services
Client Sample ID:	**Pit-1**	Sampled:	02/04/08 11:30
Lab Sample ID:	**0802023-01**	Sampled By:	E. Vincke
Matrix:	Soil	Received:	02/04/08 14:00
Percent Solids:			

Total Metals by EPA 6000/7000 Series Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Arsenic	**6.6**	0.20	mg/kg dry wt.	1	USEPA-6020A	02/06/08	DSC	0801274
Barium	**57**	2.0	mg/kg dry wt.	2	USEPA-6020A	02/06/08	DSC	0801274
Cadmium	<0.20	0.20	mg/kg dry wt.	1	USEPA-6020A	02/06/08	DSC	0801274
Chromium	**17**	2.0	mg/kg dry wt.	1	USEPA-6020A	02/06/08	DSC	0801274
Lead	**10**	1.0	mg/kg dry wt.	1	USEPA-6020A	02/06/08	DSC	0801274
Mercury	<0.050	0.050	mg/kg dry wt.	1	USEPA-7471A	02/05/08	KLV	0801249
Selenium	<0.20	0.20	mg/kg dry wt.	1	USEPA-6020A	02/06/08	DSC	0801274
Silver	<0.10	0.10	mg/kg dry wt.	1	USEPA-6020A	02/06/08	DSC	0801274

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TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**RMT, Inc. - Grand Rapids Office**	Work Order:	**0802023**
Project:	Plainwell Mill	Description:	Laboratory Services
Client Sample ID:	**Pit-2**	Sampled:	02/04/08 11:35
Lab Sample ID:	**0802023-02**	Sampled By:	E. Vincke
Matrix:	Soil	Received:	02/04/08 14:00
Percent Solids:			

Total Metals by EPA 6000/7000 Series Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Arsenic	**6.2**	0.20	mg/kg dry wt.	1	USEPA-6020A	02/06/08	DSC	0801274
Barium	**63**	2.0	mg/kg dry wt.	2	USEPA-6020A	02/06/08	DSC	0801274
Cadmium	<0.20	0.20	mg/kg dry wt.	1	USEPA-6020A	02/06/08	DSC	0801274
Chromium	**16**	2.0	mg/kg dry wt.	1	USEPA-6020A	02/06/08	DSC	0801274
Lead	**10**	1.0	mg/kg dry wt.	1	USEPA-6020A	02/06/08	DSC	0801274
Mercury	<0.050	0.050	mg/kg dry wt.	1	USEPA-7471A	02/05/08	KLV	0801249
Selenium	<0.20	0.20	mg/kg dry wt.	1	USEPA-6020A	02/06/08	DSC	0801274
Silver	<0.10	0.10	mg/kg dry wt.	1	USEPA-6020A	02/06/08	DSC	0801274

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TriMatrix Laboratories, Inc.

5560 Corporate Exchange Court SE Grand Rapids, MI 49512
Phone (616) 975-4500 Fax (616) 942-7463
www.trimatrixlabs.com

Chain of Custody Record

COC No. 122702

Page 1 of 1

Analyses Requested

VOC, SVOCs, Pesticides, RCRA Metals, TPH

⇦ PRESERVATIVES
A NONE pH~7
B HNO_3 pH<2
C H_2SO_4 pH<2
D 1+1 HCl pH<2
E NaOH pH>12
F ZnAc/NaOH pH>9
G MeOH
H Other (note below)

Client Name	Project Name
RMT, Inc	Plainwell Mill
Address: 2025 East Beltline Ave SE, suite 402, Grand Rapids, MI 49546	Client Project No./P.O. No.: 5130.04
	Invoice No. ☑ Client ☐ Other (comments)
Phone 616 915 3685	Contact/Report To: Jennifer Overvoorde
Fax 616 975 1098	

Laboratory Project No.: Q-0X0103

	Sample ID	Cooler ID	Sample Date	Sample Time	COMP	GRAB	Matrix	Number of Containers Submitted									Total	Sample Comments
1	PM-Fill		1/3/08	1422	X	X	Soil	1	2								3	only VOC is grab
2	PM-Pad		1/3/08	1427		X	Soil	1	2		waste						3	
3	PM Pad <										PCBs							
4																		
5																		
6																		
7																		
8																		
9																		
10																		

Sampled By (print): Kevin Kyrns-Gorm, Scot Middlebrook

Sampler's Signature: Kevin Kyrns-Gorm, Scot Middlebrook

Company: RMT

How Shipped? Hand Carrier

Tracking No.

Comments
Line 1: 1 2oz glass, 2 500ml glass
Line 2: 1 2oz glass, 2 500 ml glass.

1. Relinquished By	Date	Time	2. Relinquished By	Date	Time	3. Relinquished By	Date	Time
Scot Middlebrook	1/3/07	1920						

1. Received By	Date	Time	2. Received By	Date	Time

TriMatrixCOC -- COC

WHITE COPY - REPORT YELLOW COPY - LABORATORY PINK COPY - FIELD

(DROP)

TriMatrix Laboratories, Inc.

Non-Conformance Investigation Report

Client: RMT **Project Number:** 0801032/0802085

Sample Number(s): 0801032-01 **Date Initiated:** 2/14/08 **Date Due:** 2/15/08

Initiated By: Jennifer Rice **Document Control Number:** nc021508a

Investigation Resulting From: ☐ Internal Observation ☑ Client Complaint ☐ Audit ☐ Failing PT Sample

I. Area of Non-Conformance:

☐ Sample Receiving / Storage ☐ Bottle Prep ☐ Client Services / Reporting ☐ Other

☑ Inorganic (Wet Chemistry / **Metals**) Laboratory ☐ Organic (Volatile / Semi-Volatile / Extraction) Laboratory

II. Description of Non-Conformance:

Two samples were received for metals analysis, client ID PM-Fill (TriMatrix ID -01) and client ID PM-Pad (TriMatrix ID -02). Sample -01 was to be analyzed for total metals, and -02 for TCLP metals. Based on higher than expected results for sample number -01 and four corresponding samples, the client requested the sample be re-analyzed. Our re-analysis of the sample yielded results that were more indicative of those expected. The client is questioning whether the correct sample was initially analyzed and requested TriMatrix to conduct an internal investigation.

III. Explanation of Investigation into Non-Conformance:

A review of all documented steps, including sample log-in and labeling, sub sampling and drying, sample digestion, instrumental analysis, and final data review and reporting, revealed that all steps were performed in accordance to documented laboratory protocols. In response to this non-conformance the original samples and the dried sample aliquot of TriMatrix ID -01 were removed from storage for visual inspection. Sample -01 was light tan in color where sample -02 was a dark gray. The dried aliquot (labeled sample -01) utilized for the totals metals digestion, was similar in color (dark gray) to the sample -02. In response to our investigation a second aliquot of sample-02 was re-logged and prepared for analysis. Based on the results of the re-analysis and a visual inspection of the re-dried sample, we have concluded that the results obtained from our original testing, were generated from the wrong sample. A discussion of sample handling procedures for this initial step revealed that the container used for drying was labeled using a work-order report prior to removing the sample from storage. Because the analyst did not transfer the sample number to the drying container from the original sample bottle, we have concluded that the analyst removed the incorrect sample from storage during the sub sampling and drying procedure.

Initials: Date: 2/25/08

IV. Resolution:

Although all TriMatrix receipt and analytical protocols were followed, all future sub sample containers will be labeled directly from the original sample bottles. If the wrong sample is selected from storage, the pre-treatment information will be rejected by our laboratory information management system.

Initials: Date: 2/25/08

V. Follow-Up (if required):

Verify that the new protocol is being followed.

Initials: TB Date: 2/25/08

VI. Reviewed By:

QA Manager: _____ **Area Manager:** Margie A Scott

Date Completed: 02/25/08

TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**RMT, Inc. - Grand Rapids Office**	Work Order:	**0801032**
Project:	Plainwell Mill	Description:	Laboratory Services
Client Sample ID:	**PM - Fill**	Sampled:	01/03/08 14:22
Lab Sample ID:	**0801032-01**	Sampled By:	KKG/SM
Matrix:	Soil	Received:	01/03/08 19:20
Percent Solids:			

ORIGINAL

Total Metals by EPA 6000/7000 Series Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Arsenic	**7.4**	0.10	mg/kg dry wt.	1	USEPA-6020A	01/14/08	DSC	0800172
***Barium**	**180**	5.0	mg/kg dry wt.	5	USEPA-6020A	01/14/08	DSC	0800172
Cadmium	**1.4**	0.20	mg/kg dry wt.	1	USEPA-6020A	01/14/08	DSC	0800172
***Chromium**	**77**	10	mg/kg dry wt.	5	USEPA-6020A	01/14/08	DSC	0800172
***Lead**	**240**	10	mg/kg dry wt.	10	USEPA-6020A	01/14/08	DSC	0800172
***Mercury**	**1.5**	0.50	mg/kg	5	USEPA-7471A	01/08/08	JMF	0800193
***Selenium**	**0.73**	0.20	mg/kg dry wt.	1	USEPA-6020A	01/14/08	DSC	0800172
Silver	**0.56**	0.10	mg/kg dry wt.	1	USEPA-6020A	01/14/08	DSC	0800172

*See Statement of Data Qualifications

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TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	RMT, Inc. - Grand Rapids Office	Work Order:	0802085
Project:	Plainwell Mill	Description:	Laboratory Services
Client Sample ID:	PM - Fill	Sampled:	01/03/08 14:22
Lab Sample ID:	0802085-01	Sampled By:	KKG/SM
Matrix:	Soil	Received:	02/07/08 14:53
Percent Solids:			

RE-ANALYSIS

Total Metals by EPA 6000/7000 Series Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Arsenic	**4.7**	0.10	mg/kg dry wt.	1	USEPA-6020A	02/12/08	KLV	0801401
***Barium**	**31**	1.0	mg/kg dry wt.	1	USEPA-6020A	02/12/08	KLV	0801401
Cadmium	<0.20	0.20	mg/kg dry wt.	1	USEPA-6020A	02/12/08	KLV	0801401
Chromium	**8.0**	2.0	mg/kg dry wt.	1	USEPA-6020A	02/12/08	KLV	0801401
Lead	**8.4**	1.0	mg/kg dry wt.	1	USEPA-6020A	02/12/08	KLV	0801401
*Mercury	<0.050	0.050	mg/kg dry wt.	1	USEPA-7471A	02/12/08	DSC	0801411
Selenium	<0.20	0.20	mg/kg dry wt.	1	USEPA-6020A	02/12/08	KLV	0801401
Silver	<0.10	0.10	mg/kg dry wt.	1	USEPA-6020A	02/12/08	KLV	0801401

*See Statement of Data Qualifications

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Attachment 3
Laboratory Results

TriMatrix Laboratories, Inc.

February 25, 2008

RMT, Inc. - Grand Rapids Office
Attn: Jennifer Overvoorde
2025 E. Beltline Ave., Suite 402
Grand Rapids, MI 49546

Project: Plainwell Mill

Dear Jennifer Overvoorde,

Enclosed is a copy of the laboratory report, comprised of the following work order(s), for test samples received by TriMatrix Laboratories:

Work Order	Received	Description
0802068	02/06/2008	Laboratory Services

This report relates only to the sample(s), as received. Test results are in compliance with the requirements of the National Environmental Laboratory Accreditation Conference (NELAC); any qualifications of results, including sample acceptance requirements, are explained in the Statement of Data Qualifications.

Estimates of analytical uncertainties for the test results contained within this report are available upon request.

If you have any questions or require further information, please do not hesitate to contact me.

Sincerely,

Jennifer L. Rice

Jennifer L. Rice
Project Chemist

Enclosures(s)

The total number of pages in this report, including this page, is 30.

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TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**RMT, Inc. - Grand Rapids Office**	Work Order:	**0802068**
Project:	Plainwell Mill	Description:	Laboratory Services
Client Sample ID:	**PM - Fill - D**	Sampled:	02/05/08 18:29
Lab Sample ID:	**0802068-01**	Sampled By:	E. Vincke
Matrix:	Soil	Received:	02/06/08 14:00
Unit:	mg/kg dry	Prepared:	02/08/08 By: ASC
Dilution Factor:	1	Date Analyzed:	02/14/08 By: JMK
QC Batch:	0801287	Analytical Batch:	8021544
Percent Solids:	88		

Extractable Petroleum Hydrocarbons by EPA Method 8015B (Modified)

CAS Number	Analyte	Analytical Result	RL
	DRO - 8015B (C10-C28)	<7.6	7.6

Surrogates	% Recovery	Control Limits
o-Terphenyl	47	*44-137*

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TriMatrix Laboratories, Inc.

ANALYTICAL REPORT

Client:	**RMT, Inc. - Grand Rapids Office**	Work Order:	**0802068**
Project:	Plainwell Mill	Description:	Laboratory Services
Client Sample ID:	**PM - Fill - D**	Sampled:	02/05/08 18:29
Lab Sample ID:	**0802068-01**	Sampled By:	E. Vincke
Matrix:	Soil	Received:	02/06/08 14:00
Unit:	mg/kg dry	Prepared:	02/14/08 By: LEW
Dilution Factor:	1	Date Analyzed:	02/14/08 By: LEW
QC Batch:	0801715	Analytical Batch:	8021508
Percent Solids:	88		

Volatile Petroleum Hydrocarbons by EPA Method 8015B (Modified)

CAS Number	Analyte	Analytical Result	RL
	GRO - 8015B (C6-C10)	<5.7	5.7

Surrogates	% Recovery	Control Limits
aaa-Trifluorotoluene	96	*76-113*

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ANALYTICAL REPORT

Client:	**RMT, Inc. - Grand Rapids Office**	Work Order:	**0802068**
Project:	Plainwell Mill	Description:	Laboratory Services
Client Sample ID:	**PM - Fill - D**	Sampled:	02/05/08 18:29
Lab Sample ID:	**0802068-01**	Sampled By:	E. Vincke
Matrix:	Soil	Received:	02/06/08 14:00
Unit:	mg/kg dry	Prepared:	02/15/08 By: BJH
Dilution Factor:	1	Date Analyzed:	02/18/08 By: JMK
QC Batch:	0801710	Analytical Batch:	8021934
Percent Solids:	83		

Polychlorinated Biphenyls (PCBs) by EPA Method 8082

CAS Number	Analyte	Analytical Result	RL
12674-11-2	PCB-1016	<0.37	0.37
11104-28-2	PCB-1221	<0.37	0.37
11141-16-5	PCB-1232	<0.37	0.37
53469-21-9	PCB-1242	<0.37	0.37
12672-29-6	PCB-1248	<0.37	0.37
11097-69-1	PCB-1254	<0.37	0.37
11096-82-5	PCB-1260	<0.37	0.37

Surrogates	***% Recovery***	***Control Limits***
Decachlorobiphenyl	91	*36-136*
Tetrachloro-m-xylene	89	*46-120*

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Client:	**RMT, Inc. - Grand Rapids Office**	Work Order:	**0802068**
Project:	Plainwell Mill	Description:	Laboratory Services
Client Sample ID:	**PM - Fill - D**	Sampled:	02/05/08 18:29
Lab Sample ID:	**0802068-01**	Sampled By:	E. Vincke
Matrix:	Soil	Received:	02/06/08 14:00
Unit:	mg/kg dry	Prepared:	02/15/08 By: BJH
Dilution Factor:	1	Date Analyzed:	02/15/08 By: DJM
QC Batch:	0801259	Analytical Batch:	8021833
Percent Solids:	88		

*Organochlorine Pesticides by EPA Method 8081A

CAS Number	Analyte	Analytical Result	RL
319-84-6	alpha-BHC	<0.011	0.011
319-85-7	beta-BHC	<0.023	0.023
58-89-9	gamma-BHC (Lindane)	<0.023	0.023
319-86-8	delta-BHC	<0.023	0.023
5103-71-9	alpha-Chlordane	<0.034	0.034
5103-74-2	gamma-Chlordane	<0.034	0.034
72-54-8	4,4'-DDD	<0.023	0.023
72-55-9	4,4'-DDE	<0.023	0.023
50-29-3	4,4'-DDT	<0.023	0.023
309-00-2	Aldrin	<0.023	0.023
60-57-1	Dieldrin	<0.023	0.023
959-98-8	Endosulfan I	<0.023	0.023
33213-65-9	Endosulfan II	<0.023	0.023
1031-07-8	Endosulfan Sulfate	<0.023	0.023
72-20-8	Endrin	<0.023	0.023
7421-93-4	Endrin Aldehyde	<0.023	0.023
53494-70-5	Endrin Ketone	<0.023	0.023
76-44-8	Heptachlor	<0.023	0.023
1024-57-3	Heptachlor Epoxide	<0.023	0.023
72-43-5	Methoxychlor	<0.057	0.057
8001-35-2	Toxaphene	<0.19	0.19

Surrogates	***% Recovery***	***Control Limits***
Tetrachloro-m-xylene	84	*63-125*
Decachlorobiphenyl	89	*58-128*

*See Statement of Data Qualifications

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ANALYTICAL REPORT

Client:	**RMT, Inc. - Grand Rapids Office**	Work Order:	**0802068**
Project:	Plainwell Mill	Description:	Laboratory Services
Client Sample ID:	**PM - Fill - D**	Sampled:	02/05/08 18:29
Lab Sample ID:	**0802068-01**	Sampled By:	E. Vincke
Matrix:	Soil	Received:	02/06/08 14:00
Unit:	mg/kg dry	Prepared:	02/11/08 By: JDM
Dilution Factor:	1	Date Analyzed:	02/11/08 By: JDM
QC Batch:	0801494	Analytical Batch:	8021211
Percent Solids:	88		

Volatile Organic Compounds by EPA Method 8260B

CAS Number	Analyte	Analytical Result	RL
67-64-1	Acetone	<1.1	1.1
107-13-1	Acrylonitrile	<0.11	0.11
71-43-2	Benzene	<0.057	0.057
108-86-1	Bromobenzene	<0.11	0.11
74-97-5	Bromochloromethane	<0.11	0.11
75-27-4	Bromodichloromethane	<0.11	0.11
75-25-2	Bromoform	<0.11	0.11
74-83-9	Bromomethane	<0.23	0.23
104-51-8	n-Butylbenzene	<0.057	0.057
135-98-8	sec-Butylbenzene	<0.057	0.057
98-06-6	tert-Butylbenzene	<0.057	0.057
75-15-0	Carbon Disulfide	<0.28	0.28
56-23-5	Carbon Tetrachloride	<0.057	0.057
108-90-7	Chlorobenzene	<0.057	0.057
75-00-3	Chloroethane	<0.28	0.28
67-66-3	Chloroform	<0.057	0.057
74-87-3	Chloromethane	<0.28	0.28
96-12-8	1,2-Dibromo-3-chloropropane	<0.057	0.057
124-48-1	Dibromochloromethane	<0.11	0.11
106-93-4	1,2-Dibromoethane	<0.057	0.057
74-95-3	Dibromomethane	<0.28	0.28
110-57-6	trans-1,4-Dichloro-2-butene	<0.057	0.057
95-50-1	1,2-Dichlorobenzene	<0.11	0.11
541-73-1	1,3-Dichlorobenzene	<0.11	0.11
106-46-7	1,4-Dichlorobenzene	<0.11	0.11
75-71-8	Dichlorodifluoromethane	<0.28	0.28
75-34-3	1,1-Dichloroethane	<0.057	0.057
107-06-2	1,2-Dichloroethane	<0.057	0.057
75-35-4	1,1-Dichloroethene	<0.057	0.057

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ANALYTICAL REPORT

Client:	**RMT, Inc. - Grand Rapids Office**	Work Order:	**0802068**
Project:	Plainwell Mill	Description:	Laboratory Services
Client Sample ID:	**PM - Fill - D**	Sampled:	02/05/08 18:29
Lab Sample ID:	**0802068-01**	Sampled By:	E. Vincke
Matrix:	Soil	Received:	02/06/08 14:00
Unit:	mg/kg dry	Prepared:	02/11/08 By: JDM
Dilution Factor:	1	Date Analyzed:	02/11/08 By: JDM
QC Batch:	0801494	Analytical Batch:	8021211
Percent Solids:	88		

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
156-59-2	cis-1,2-Dichloroethene	<0.057	0.057
156-60-5	trans-1,2-Dichloroethene	<0.057	0.057
78-87-5	1,2-Dichloropropane	<0.057	0.057
10061-01-5	cis-1,3-Dichloropropene	<0.057	0.057
10061-02-6	trans-1,3-Dichloropropene	<0.057	0.057
100-41-4	Ethylbenzene	<0.057	0.057
60-29-7	Ethyl Ether	<0.23	0.23
591-78-6	2-Hexanone	<2.8	2.8
74-88-4	Iodomethane	<0.11	0.11
98-82-8	Isopropylbenzene	<0.28	0.28
99-87-6	4-Isopropyltoluene	<0.11	0.11
1634-04-4	Methyl tert-Butyl Ether	<0.28	0.28
75-09-2	Methylene Chloride	**0.32**	0.11
78-93-3	2-Butanone (MEK)	<0.85	0.85
91-57-6	2-Methylnaphthalene	<0.37	0.37
108-10-1	4-Methyl-2-pentanone (MIBK)	<2.8	2.8
91-20-3	Naphthalene	<0.37	0.37
103-65-1	n-Propylbenzene	<0.11	0.11
100-42-5	Styrene	<0.057	0.057
630-20-6	1,1,1,2-Tetrachloroethane	<0.11	0.11
79-34-5	1,1,2,2-Tetrachloroethane	<0.057	0.057
127-18-4	Tetrachloroethene	<0.057	0.057
109-99-9	Tetrahydrofuran	<1.1	1.1
108-88-3	Toluene	<0.11	0.11
87-61-6	1,2,3-Trichlorobenzene	<0.37	0.37
120-82-1	1,2,4-Trichlorobenzene	<0.37	0.37
71-55-6	1,1,1-Trichloroethane	<0.057	0.057
79-00-5	1,1,2-Trichloroethane	<0.057	0.057
79-01-6	Trichloroethene	<0.057	0.057
75-69-4	Trichlorofluoromethane	<0.11	0.11
96-18-4	1,2,3-Trichloropropane	<0.11	0.11

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ANALYTICAL REPORT

Client:	**RMT, Inc. - Grand Rapids Office**	Work Order:	**0802068**
Project:	Plainwell Mill	Description:	Laboratory Services
Client Sample ID:	**PM - Fill - D**	Sampled:	02/05/08 18:29
Lab Sample ID:	**0802068-01**	Sampled By:	E. Vincke
Matrix:	Soil	Received:	02/06/08 14:00
Unit:	mg/kg dry	Prepared:	02/11/08 By: JDM
Dilution Factor:	1	Date Analyzed:	02/11/08 By: JDM
QC Batch:	0801494	Analytical Batch:	8021211
Percent Solids:	88		

Volatile Organic Compounds by EPA Method 8260B (Continued)

CAS Number	Analyte	Analytical Result	RL
95-63-6	1,2,4-Trimethylbenzene	<0.11	0.11
108-67-8	1,3,5-Trimethylbenzene	<0.11	0.11
75-01-4	Vinyl Chloride	<0.045	0.045
136777-61-2	Xylene, Meta + Para	<0.11	0.11
95-47-6	Xylene, Ortho	<0.057	0.057

Surrogates	*% Recovery*	*Control Limits*
Dibromofluoromethane	113	*78-124*
1,2-Dichloroethane-d4	110	*80-123*
Toluene-d8	101	*84-113*
4-Bromofluorobenzene	100	*79-120*

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Project:	Plainwell Mill	Description:	Laboratory Services
Client Sample ID:	**PM - Fill - D**	Sampled:	02/05/08 18:29
Lab Sample ID:	**0802068-01**	Sampled By:	E. Vincke
Matrix:	Soil	Received:	02/06/08 14:00
Unit:	mg/kg dry	Prepared:	02/11/08 By: ASC
Dilution Factor:	1	Date Analyzed:	02/12/08 By: DMC
QC Batch:	0801236	Analytical Batch:	8021276
Percent Solids:	88		

Semivolatile Organic Compounds by EPA Method 8270C

CAS Number	Analyte	Analytical Result	RL
83-32-9	Acenaphthene	<0.37	0.37
208-96-8	Acenaphthylene	<0.37	0.37
120-12-7	Anthracene	<0.37	0.37
56-55-3	Benzo(a)anthracene	<0.37	0.37
50-32-8	Benzo(a)pyrene	<0.37	0.37
205-99-2	Benzo(b)fluoranthene	<0.37	0.37
191-24-2	Benzo(g,h,i)perylene	<0.37	0.37
207-08-9	Benzo(k)fluoranthene	<0.37	0.37
101-55-3	4-Bromophenyl Phenyl Ether	<0.37	0.37
85-68-7	Butyl Benzyl Phthalate	<0.37	0.37
86-74-8	Carbazole	<0.37	0.37
59-50-7	4-Chloro-3-methylphenol	<0.32	0.32
111-91-1	Bis(2-chloroethoxy)methane	<0.37	0.37
111-44-4	Bis(2-chloroethyl) Ether	<0.11	0.11
108-60-1	Bis(2-chloroisopropyl) Ether	<0.37	0.37
117-81-7	Bis(2-ethylhexyl) Phthalate	<0.37	0.37
91-58-7	2-Chloronaphthalene	<0.37	0.37
95-57-8	2-Chlorophenol	<0.37	0.37
7005-72-3	4-Chlorophenyl Phenyl Ether	<0.37	0.37
218-01-9	Chrysene	<0.37	0.37
53-70-3	Dibenz(a,h)anthracene	<0.37	0.37
132-64-9	Dibenzofuran	<0.37	0.37
84-74-2	Di-n-butyl Phthalate	<0.37	0.37
95-50-1	1,2-Dichlorobenzene	<0.37	0.37
541-73-1	1,3-Dichlorobenzene	<0.37	0.37
106-46-7	1,4-Dichlorobenzene	<0.37	0.37
120-83-2	2,4-Dichlorophenol	<0.37	0.37
84-66-2	Diethyl Phthalate	<0.37	0.37
105-67-9	2,4-Dimethylphenol	<0.37	0.37

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ANALYTICAL REPORT

Client:	**RMT, Inc. - Grand Rapids Office**	Work Order:	**0802068**
Project:	Plainwell Mill	Description:	Laboratory Services
Client Sample ID:	**PM - Fill - D**	Sampled:	02/05/08 18:29
Lab Sample ID:	**0802068-01**	Sampled By:	E. Vincke
Matrix:	Soil	Received:	02/06/08 14:00
Unit:	mg/kg dry	Prepared:	02/11/08 By: ASC
Dilution Factor:	1	Date Analyzed:	02/12/08 By: DMC
QC Batch:	0801236	Analytical Batch:	8021276
Percent Solids:	88		

Semivolatile Organic Compounds by EPA Method 8270C (Continued)

CAS Number	Analyte	Analytical Result	RL
131-11-3	Dimethyl Phthalate	<0.37	0.37
534-52-1	4,6-Dinitro-2-methylphenol	<0.94	0.94
51-28-5	2,4-Dinitrophenol	<0.94	0.94
121-14-2	2,4-Dinitrotoluene	<0.37	0.37
606-20-2	2,6-Dinitrotoluene	<0.37	0.37
117-84-0	Di-n-octyl Phthalate	<0.37	0.37
122-66-7	1,2-Diphenylhydrazine	<0.37	0.37
206-44-0	Fluoranthene	<0.37	0.37
86-73-7	Fluorene	<0.37	0.37
118-74-1	Hexachlorobenzene	<0.37	0.37
87-68-3	Hexachlorobutadiene	<0.057	0.057
77-47-4	Hexachlorocyclopentadiene	<0.37	0.37
67-72-1	Hexachloroethane	<0.34	0.34
193-39-5	Indeno(1,2,3-cd)pyrene	<0.37	0.37
78-59-1	Isophorone	<0.37	0.37
91-57-6	2-Methylnaphthalene	<0.37	0.37
95-48-7	2-Methylphenol	<0.37	0.37
108-39-4	3+4-Methylphenol	<0.37	0.37
91-20-3	Naphthalene	<0.37	0.37
100-01-6	4-Nitroaniline	<0.37	0.37
99-09-2	3-Nitroaniline	<0.94	0.94
88-74-4	2-Nitroaniline	<0.94	0.94
98-95-3	Nitrobenzene	<0.37	0.37
100-02-7	4-Nitrophenol	<0.94	0.94
88-75-5	2-Nitrophenol	<0.37	0.37
62-75-9	N-Nitroso-dimethylamine	<0.37	0.37
86-30-6	N-Nitroso-diphenylamine	<0.37	0.37
621-64-7	N-Nitroso-di-n-propylamine	<0.37	0.37
87-86-5	Pentachlorophenol	<0.023	0.023
85-01-8	Phenanthrene	<0.37	0.37
108-95-2	Phenol	<0.37	0.37

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ANALYTICAL REPORT

Client:	**RMT, Inc. - Grand Rapids Office**	Work Order:	**0802068**
Project:	Plainwell Mill	Description:	Laboratory Services
Client Sample ID:	**PM - Fill - D**	Sampled:	02/05/08 18:29
Lab Sample ID:	**0802068-01**	Sampled By:	E. Vincke
Matrix:	Soil	Received:	02/06/08 14:00
Unit:	mg/kg dry	Prepared:	02/11/08 By: ASC
Dilution Factor:	1	Date Analyzed:	02/12/08 By: DMC
QC Batch:	0801236	Analytical Batch:	8021276
Percent Solids:	88		

Semivolatile Organic Compounds by EPA Method 8270C (Continued)

CAS Number	Analyte	Analytical Result	RL
129-00-0	Pyrene	<0.37	0.37
120-82-1	1,2,4-Trichlorobenzene	<0.37	0.37
95-95-4	2,4,5-Trichlorophenol	<0.37	0.37
88-06-2	2,4,6-Trichlorophenol	<0.37	0.37

Surrogates	***% Recovery***	***Control Limits***
2-Fluorophenol	67	*40-105*
Phenol-d5	71	*44-104*
Nitrobenzene-d5	87	*47-118*
2-Fluorobiphenyl	78	*48-119*
2,4,6-Tribromophenol	80	*36-120*
o-Terphenyl	76	*45-130*

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ANALYTICAL REPORT

Client:	**RMT, Inc. - Grand Rapids Office**	Work Order:	**0802068**
Project:	Plainwell Mill	Description:	Laboratory Services
Client Sample ID:	**PM - Fill - D**	Sampled:	02/05/08 18:29
Lab Sample ID:	**0802068-01**	Sampled By:	E. Vincke
Matrix:	Soil	Received:	02/06/08 14:00
Percent Solids:			

Total Metals by EPA 6000/7000 Series Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
Arsenic	**2.0**	0.10	mg/kg dry wt.	1	USEPA-6020A	02/12/08	KLV	0801356
Barium	**36**	1.0	mg/kg dry wt.	1	USEPA-6020A	02/12/08	KLV	0801356
Cadmium	<0.20	0.20	mg/kg dry wt.	1	USEPA-6020A	02/12/08	KLV	0801356
Chromium	**6.6**	2.0	mg/kg dry wt.	1	USEPA-6020A	02/12/08	KLV	0801356
Lead	**6.6**	1.0	mg/kg dry wt.	1	USEPA-6020A	02/12/08	KLV	0801356
Mercury	<0.050	0.050	mg/kg dry wt.	1	USEPA-7471A	02/12/08	DSC	0801411
Selenium	<0.20	0.20	mg/kg dry wt.	1	USEPA-6020A	02/12/08	KLV	0801356
Silver	<0.10	0.10	mg/kg dry wt.	1	USEPA-6020A	02/12/08	KLV	0801356

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ANALYTICAL REPORT

Client:	**RMT, Inc. - Grand Rapids Office**	Work Order:	**0802068**
Project:	Plainwell Mill	Description:	Laboratory Services
Client Sample ID:	**PM - Fill - D**	Sampled:	02/05/08 18:29
Lab Sample ID:	**0802068-01**	Sampled By:	E. Vincke
Matrix:	Soil	Received:	02/06/08 14:00

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

Analyte	Analytical Result	RL	Unit	Dilution Factor	Method	Date Analyzed	By	QC Batch
SGT-HEM; Nonpolar Material	<450	450	mg/kg dry	1	USEPA-9071B	02/11/08	CLB	0801453
Percent Solids	**88**	0.1	%	1	USEPA-3550B	02/08/08	KNC	0801361

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ANALYTICAL REPORT

Client:	**RMT, Inc. - Grand Rapids Office**	Work Order:	**0802068**
Project:	Plainwell Mill	Description:	Laboratory Services
Client Sample ID:	**PM - Fill - D**	Sampled:	02/05/08 18:29
Lab Sample ID:	**0802068-01RE1**	Sampled By:	E. Vincke
Matrix:	Soil	Received:	02/06/08 14:00
Unit:	mg/kg dry	Prepared:	02/19/08 By: ASC
Dilution Factor:	1	Date Analyzed:	02/22/08 By: DJM
QC Batch:	0801259	Analytical Batch:	8022232
Percent Solids:	83		

Organochlorine Pesticides by EPA Method 8081A

CAS Number	Analyte	Analytical Result	RL
319-84-6	alpha-BHC	<0.011	0.011
319-85-7	beta-BHC	<0.023	0.023
58-89-9	gamma-BHC (Lindane)	<0.023	0.023
319-86-8	delta-BHC	<0.023	0.023
5103-71-9	alpha-Chlordane	<0.034	0.034
5103-74-2	gamma-Chlordane	<0.034	0.034
72-54-8	4,4'-DDD	<0.023	0.023
72-55-9	4,4'-DDE	<0.023	0.023
50-29-3	4,4'-DDT	<0.023	0.023
309-00-2	Aldrin	<0.023	0.023
60-57-1	Dieldrin	<0.023	0.023
959-98-8	Endosulfan I	<0.023	0.023
33213-65-9	Endosulfan II	<0.023	0.023
1031-07-8	Endosulfan Sulfate	<0.023	0.023
72-20-8	Endrin	<0.023	0.023
7421-93-4	Endrin Aldehyde	<0.023	0.023
53494-70-5	Endrin Ketone	<0.023	0.023
76-44-8	Heptachlor	<0.023	0.023
1024-57-3	Heptachlor Epoxide	<0.023	0.023
72-43-5	Methoxychlor	<0.057	0.057
8001-35-2	Toxaphene	<0.19	0.19

Surrogates	***% Recovery***	***Control Limits***
Tetrachloro-m-xylene	93	*63-125*
Decachlorobiphenyl	87	*58-128*

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QUALITY CONTROL REPORT

Extractable Petroleum Hydrocarbons by EPA Method 8015B (Modified)

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL
QC Batch: 0801287 3550B Sonication Extraction/USEPA-8015B								
Method Blank						Analyzed:	02/14/2008	By: JMK
Unit: mg/kg wet						Analytical Batch:	8021544	
DRO - 8015B (C10-C28)			<6.7				6.7	
Surrogates								
o-Terphenyl				48	*44-137*			
Laboratory Control Sample						Analyzed:	02/14/2008	By: JMK
Unit: mg/kg wet						Analytical Batch:	8021544	
DRO - 8015B (C10-C28)		33.3	**29.5**	89	44-135		6.7	
Surrogates								
o-Terphenyl				58	*44-137*			

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QUALITY CONTROL REPORT

Volatile Petroleum Hydrocarbons by EPA Method 8015B (Modified)

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL	
QC Batch: 0801715 5030B Aqueous Purge & Trap/USEPA-8015B									
Method Blank						Analyzed:		02/14/2008	By: LEW
Unit: mg/kg wet						Analytical Batch:		8021508	
GRO - 8015B (C6-C10)			<5.0					5.0	
Method Blank						Analyzed:		02/14/2008	By: LEW
Unit: ug/L						Analytical Batch:		8021508	
Surrogates									
aaa-Trifluorotoluene				95	*76-113*				
Laboratory Control Sample						Analyzed:		02/14/2008	By: LEW
Unit: mg/kg wet						Analytical Batch:		8021508	
GRO - 8015B (C6-C10)		20.0	**20.4**	102	72-118			5.0	
Laboratory Control Sample						Analyzed:		02/14/2008	By: LEW
Unit: ug/L						Analytical Batch:		8021508	
Surrogates									
aaa-Trifluorotoluene				102	*76-113*				
Matrix Spike 0802068-01 PM - Fill - D						Analyzed:		02/14/2008	By: LEW
Unit: mg/kg dry						Analytical Batch:		8021508	
GRO - 8015B (C6-C10)	<5.7	22.6	**26.1**	115	30-168			5.7	
Matrix Spike 0802068-01 PM - Fill - D						Analyzed:		02/14/2008	By: LEW
Unit: ug/L						Analytical Batch:		8021508	
Surrogates									
aaa-Trifluorotoluene				103	*76-113*				
Matrix Spike Duplicate 0802068-01 PM - Fill - D						Analyzed:		02/14/2008	By: LEW
Unit: mg/kg dry						Analytical Batch:		8021508	
GRO - 8015B (C6-C10)	<5.7	22.6	**26.3**	116	30-168	0.6	20	5.7	
Matrix Spike Duplicate 0802068-01 PM - Fill - D						Analyzed:		02/14/2008	By: LEW
Unit: ug/L						Analytical Batch:		8021508	
Surrogates									
aaa-Trifluorotoluene				102	*76-113*				

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QUALITY CONTROL REPORT

Polychlorinated Biphenyls (PCBs) by EPA Method 8082

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL
QC Batch: 0801710 3550B Sonication Extraction/USEPA-8082								
Method Blank						Analyzed:		02/18/2008 By: JMK
Unit: mg/kg wet						Analytical Batch:		8021934
PCB-1016			<0.33					0.33
PCB-1221			<0.33					0.33
PCB-1232			<0.33					0.33
PCB-1242			<0.33					0.33
PCB-1248			<0.33					0.33
PCB-1254			<0.33					0.33
PCB-1260			<0.33					0.33
Surrogates								
Decachlorobiphenyl				102	*36-136*			
Tetrachloro-m-xylene				98	*46-120*			
Laboratory Control Sample						Analyzed:		02/18/2008 By: JMK
Unit: mg/kg wet						Analytical Batch:		8021934
PCB-1016		0.167	**0.168**	101	72-117			0.33
PCB-1260		0.167	**0.187**	112	77-123			0.33
Surrogates								
Decachlorobiphenyl				101	*36-136*			
Tetrachloro-m-xylene				100	*46-120*			
Matrix Spike 0802068-01 PM - Fill - D						Analyzed:		02/18/2008 By: JMK
Unit: mg/kg dry						Analytical Batch:		8021934
PCB-1016	<0.37	0.188	**0.184**	98	48-126			0.37
PCB-1260	<0.37	0.188	**0.206**	109	52-136			0.37
Surrogates								
Decachlorobiphenyl				97	*36-136*			
Tetrachloro-m-xylene				92	*46-120*			
Matrix Spike Duplicate 0802068-01 PM - Fill - D						Analyzed:		02/18/2008 By: JMK
Unit: mg/kg dry						Analytical Batch:		8021934
PCB-1016	<0.37	0.188	**0.188**	100	48-126	2	20	0.37
PCB-1260	<0.37	0.188	**0.207**	110	52-136	0.5	20	0.37
Surrogates								
Decachlorobiphenyl				94	*36-136*			
Tetrachloro-m-xylene				92	*46-120*			

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QUALITY CONTROL REPORT

Organochlorine Pesticides by EPA Method 8081A

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL

QC Batch: 0801259 3550B Sonication Extraction/USEPA-8081A

Method Blank — Analyzed: 02/15/2008 By: DJM
Unit: mg/kg wet — Analytical Batch: 8021833

alpha-BHC			<0.010				0.010
beta-BHC			<0.020				0.020
gamma-BHC (Lindane)			<0.020				0.020
delta-BHC			<0.020				0.020
alpha-Chlordane			<0.030				0.030
gamma-Chlordane			<0.030				0.030
4,4'-DDD			<0.020				0.020
4,4'-DDE			<0.020				0.020
4,4'-DDT			<0.020				0.020
Aldrin			<0.020				0.020
Dieldrin			<0.020				0.020
Endosulfan I			<0.020				0.020
Endosulfan II			<0.020				0.020
Endosulfan Sulfate			<0.020				0.020
Endrin			<0.020				0.020
Endrin Aldehyde			<0.020				0.020
Endrin Ketone			<0.020				0.020
Heptachlor			<0.020				0.020
Heptachlor Epoxide			<0.020				0.020
Methoxychlor			<0.050				0.050
Toxaphene			<0.17				0.17
Surrogates:							
Tetrachloro-m-xylene				92	*63-125*		
Decachlorobiphenyl				93	*58-128*		

Method Blank — Analyzed: 02/22/2008 By: DJM
Unit: mg/kg wet — Analytical Batch: 8022232

alpha-BHC			<0.010				0.010
beta-BHC			<0.020				0.020
gamma-BHC (Lindane)			<0.020				0.020
delta-BHC			<0.020				0.020
alpha-Chlordane			<0.030				0.030
gamma-Chlordane			<0.030				0.030
4,4'-DDD			<0.020				0.020
4,4'-DDE			<0.020				0.020
4,4'-DDT			<0.020				0.020

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QUALITY CONTROL REPORT

Organochlorine Pesticides by EPA Method 8081A (Continued)

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL

QC Batch: 0801259 (Continued) 3550B Sonication Extraction/USEPA-8081A

Method Blank (Continued) Analyzed: 02/22/2008 By: DJM
Unit: mg/kg wet Analytical Batch: 8022232

Aldrin			<0.020				0.020
Dieldrin			<0.020				0.020
Endosulfan I			<0.020				0.020
Endosulfan II			<0.020				0.020
Endosulfan Sulfate			<0.020				0.020
Endrin			<0.020				0.020
Endrin Aldehyde			<0.020				0.020
Endrin Ketone			<0.020				0.020
Heptachlor			<0.020				0.020
Heptachlor Epoxide			<0.020				0.020
Methoxychlor			<0.050				0.050
Toxaphene			<0.17				0.17
Surrogates							
Tetrachloro-m-xylene				92	*63-125*		
Decachlorobiphenyl				92	*58-128*		

Laboratory Control Sample Analyzed: 02/15/2008 By: DJM
Unit: mg/kg wet Analytical Batch: 8021833

*alpha-BHC		0.0133	**0.00973**	**73**	78-131		0.010
*beta-BHC		0.0133	**0.0102**	**77**	84-138		0.020
*gamma-BHC (Lindane)		0.0133	**0.0102**	**77**	80-135		0.020
*delta-BHC		0.0133	**0.0103**	**77**	80-136		0.020
*alpha-Chlordane		0.0133	**0.0102**	**76**	80-138		0.030
*gamma-Chlordane		0.0133	**0.00980**	**74**	79-137		0.030
4,4'-DDD		0.0133	**0.00980**	74	74-141		0.020
*4,4'-DDE		0.0133	**0.00960**	**72**	78-138		0.020
*4,4'-DDT		0.0133	**0.00953**	**72**	74-141		0.020
*Aldrin		0.0133	**0.0102**	**77**	80-135		0.020
*Dieldrin		0.0133	**0.0100**	**75**	79-139		0.020
Endosulfan I		0.0133	**0.00893**	67	58-131		0.020
Endosulfan II		0.0133	**0.00947**	71	62-137		0.020
Endosulfan Sulfate		0.0133	**0.0105**	79	79-141		0.020
Endrin		0.0133	**0.0103**	78	67-151		0.020
Endrin Aldehyde		0.0133	**0.0102**	77	68-132		0.020
*Endrin Ketone		0.0133	**0.0101**	**76**	78-140		0.020
*Heptachlor		0.0133	**0.0103**	**77**	82-135		0.020

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QUALITY CONTROL REPORT

Organochlorine Pesticides by EPA Method 8081A (Continued)

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL
QC Batch: 0801259 (Continued) 3550B Sonication Extraction/USEPA-8081A								
Laboratory Control Sample (Continued)						Analyzed:	02/15/2008	By: DJM
Unit: mg/kg wet						Analytical Batch:	8021833	
*Heptachlor Epoxide		0.0133	**0.00990**	**74**	81-137		0.020	
*Methoxychlor		0.0133	**0.0100**	**75**	76-142		0.050	
Surrogates								
Tetrachloro-m-xylene				68	*63-125*			
Decachlorobiphenyl				67	*58-128*			
Laboratory Control Sample						Analyzed:	02/22/2008	By: DJM
Unit: mg/kg wet						Analytical Batch:	8022232	
alpha-BHC		0.0133	**0.0146**	110	78-131		0.010	
beta-BHC		0.0133	**0.0142**	106	84-138		0.020	
gamma-BHC (Lindane)		0.0133	**0.0149**	112	80-135		0.020	
delta-BHC		0.0133	**0.0144**	108	80-136		0.020	
alpha-Chlordane		0.0133	**0.0140**	105	80-138		0.030	
gamma-Chlordane		0.0133	**0.0141**	106	79-137		0.030	
4,4'-DDD		0.0133	**0.0141**	106	74-141		0.020	
4,4'-DDE		0.0133	**0.0143**	107	78-138		0.020	
4,4'-DDT		0.0133	**0.0138**	104	74-141		0.020	
Aldrin		0.0133	**0.0138**	104	80-135		0.020	
Dieldrin		0.0133	**0.0145**	109	79-139		0.020	
Endosulfan I		0.0133	**0.0127**	95	58-131		0.020	
Endosulfan II		0.0133	**0.0128**	96	62-137		0.020	
Endosulfan Sulfate		0.0133	**0.0136**	102	79-141		0.020	
Endrin		0.0133	**0.0147**	110	67-151		0.020	
Endrin Aldehyde		0.0133	**0.0135**	101	68-132		0.020	
Endrin Ketone		0.0133	**0.0134**	101	78-140		0.020	
Heptachlor		0.0133	**0.0145**	109	82-135		0.020	
Heptachlor Epoxide		0.0133	**0.0142**	106	81-137		0.020	
Methoxychlor		0.0133	**0.0136**	102	76-142		0.050	
Surrogates								
Tetrachloro-m-xylene				97	*63-125*			
Decachlorobiphenyl				91	*58-128*			

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QUALITY CONTROL REPORT

Volatile Organic Compounds by EPA Method 8260B

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL

QC Batch: 0801494 5035 Soil Purge & Trap - MS/USEPA-8260B

Method Blank Analyzed: 02/11/2008 By: JDM
Unit: mg/kg wet Analytical Batch: 8021211

Acetone	<1.0	1.0
Acrylonitrile	<0.10	0.10
Benzene	<0.050	0.050
Bromobenzene	<0.10	0.10
Bromochloromethane	<0.10	0.10
Bromodichloromethane	<0.10	0.10
Bromoform	<0.10	0.10
Bromomethane	<0.20	0.20
n-Butylbenzene	<0.050	0.050
sec-Butylbenzene	<0.050	0.050
tert-Butylbenzene	<0.050	0.050
Carbon Disulfide	<0.25	0.25
Carbon Tetrachloride	<0.050	0.050
Chlorobenzene	<0.050	0.050
Chloroethane	<0.25	0.25
Chloroform	<0.050	0.050
Chloromethane	<0.25	0.25
1,2-Dibromo-3-chloropropane	<0.050	0.050
Dibromochloromethane	<0.10	0.10
1,2-Dibromoethane	<0.050	0.050
Dibromomethane	<0.25	0.25
trans-1,4-Dichloro-2-butene	<0.050	0.050
1,2-Dichlorobenzene	<0.10	0.10
1,3-Dichlorobenzene	<0.10	0.10
1,4-Dichlorobenzene	<0.10	0.10
Dichlorodifluoromethane	<0.25	0.25
1,1-Dichloroethane	<0.050	0.050
1,2-Dichloroethane	<0.050	0.050
1,1-Dichloroethene	<0.050	0.050
cis-1,2-Dichloroethene	<0.050	0.050
trans-1,2-Dichloroethene	<0.050	0.050
1,2-Dichloropropane	<0.050	0.050
cis-1,3-Dichloropropene	<0.050	0.050
trans-1,3-Dichloropropene	<0.050	0.050
Ethylbenzene	<0.050	0.050
Ethyl Ether	<0.20	0.20

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QUALITY CONTROL REPORT

Volatile Organic Compounds by EPA Method 8260B (Continued)

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL

QC Batch: 0801494 (Continued) 5035 Soil Purge & Trap - MS/USEPA-8260B

Method Blank (Continued) Analyzed: 02/11/2008 By: JDM
Unit: mg/kg wet Analytical Batch: 8021211

2-Hexanone	<2.5	2.5
Iodomethane	<0.10	0.10
Isopropylbenzene	<0.25	0.25
4-Isopropyltoluene	<0.10	0.10
Methyl tert-Butyl Ether	<0.25	0.25
Methylene Chloride	<0.10	0.10
2-Butanone (MEK)	<0.75	0.75
2-Methylnaphthalene	<0.33	0.33
4-Methyl-2-pentanone (MIBK)	<2.5	2.5
Naphthalene	<0.33	0.33
n-Propylbenzene	<0.10	0.10
Styrene	<0.050	0.050
1,1,1,2-Tetrachloroethane	<0.10	0.10
1,1,2,2-Tetrachloroethane	<0.050	0.050
Tetrachloroethene	<0.050	0.050
Tetrahydrofuran	<1.0	1.0
Toluene	<0.10	0.10
1,2,3-Trichlorobenzene	<0.33	0.33
1,2,4-Trichlorobenzene	<0.33	0.33
1,1,1-Trichloroethane	<0.050	0.050
1,1,2-Trichloroethane	<0.050	0.050
Trichloroethene	<0.050	0.050
Trichlorofluoromethane	<0.10	0.10
1,2,3-Trichloropropane	<0.10	0.10
1,2,4-Trimethylbenzene	<0.10	0.10
1,3,5-Trimethylbenzene	<0.10	0.10
Vinyl Chloride	<0.040	0.040
Xylene, Meta + Para	<0.10	0.10
Xylene, Ortho	<0.050	0.050

Method Blank Analyzed: 02/11/2008 By: JDM
Unit: ug/L Analytical Batch: 8021211

Surrogates

Dibromofluoromethane	107	*78-124*
1,2-Dichloroethane-d4	104	*80-123*
Toluene-d8	100	*84-113*

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QUALITY CONTROL REPORT

Volatile Organic Compounds by EPA Method 8260B (Continued)

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL

QC Batch: 0801494 (Continued) 5035 Soil Purge & Trap - MS/USEPA-8260B

Method Blank (Continued) Analyzed: 02/11/2008 By: JDM
Unit: ug/L Analytical Batch: 8021211

Surrogates (Continued)

4-Bromofluorobenzene				105	*79-120*			

Laboratory Control Sample Analyzed: 02/11/2008 By: JDM
Unit: mg/kg wet Analytical Batch: 8021211

Benzene		2.00	**2.01**	100	82-122		0.050	
Chlorobenzene		2.00	**2.08**	104	82-118		0.050	
1,1-Dichloroethene		2.00	**1.69**	84	72-131		0.050	
Toluene		2.00	**2.04**	102	82-125		0.10	
Trichloroethene		2.00	**2.12**	106	81-127		0.050	

Laboratory Control Sample Analyzed: 02/11/2008 By: JDM
Unit: ug/L Analytical Batch: 8021211

Surrogates

Dibromofluoromethane				103	*78-124*			
1,2-Dichloroethane-d4				106	*80-123*			
Toluene-d8				104	*84-113*			
4-Bromofluorobenzene				118	*79-120*			

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QUALITY CONTROL REPORT

Semivolatile Organic Compounds by EPA Method 8270C

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL

QC Batch: 0801236 3550B Sonication Extraction/USEPA-8270C

Method Blank — Analyzed: 02/12/2008 By: DMC
Unit: mg/kg wet — Analytical Batch: 8021276

Acenaphthene	<0.33	0.33
Acenaphthylene	<0.33	0.33
Anthracene	<0.33	0.33
Benzo(a)anthracene	<0.33	0.33
Benzo(a)pyrene	<0.33	0.33
Benzo(b)fluoranthene	<0.33	0.33
Benzo(g,h,i)perylene	<0.33	0.33
Benzo(k)fluoranthene	<0.33	0.33
4-Bromophenyl Pheny Ether	<0.33	0.33
Butyl Benzyl Phthalate	<0.33	0.33
Carbazole	<0.33	0.33
4-Chloro-3-methylphenol	<0.28	0.28
Bis(2-chloroethoxy)methane	<0.33	0.33
Bis(2-chloroethyl) Ether	<0.10	0.10
Bis(2-chloroisopropyl) Ether	<0.33	0.33
Bis(2-ethylhexyl) Phthalate	<0.33	0.33
2-Chloronaphthalene	<0.33	0.33
2-Chlorophenol	<0.33	0.33
4-Chlorophenyl Phenyl Ether	<0.33	0.33
Chrysene	<0.33	0.33
Dibenz(a,h)anthracene	<0.33	0.33
Dibenzofuran	<0.33	0.33
Di-n-butyl Phthalate	<0.33	0.33
1,2-Dichlorobenzene	<0.33	0.33
1,3-Dichlorobenzene	<0.33	0.33
1,4-Dichlorobenzene	<0.33	0.33
2,4-Dichlorophenol	<0.33	0.33
Diethyl Phthalate	<0.33	0.33
2,4-Dimethylphenol	<0.33	0.33
Dimethyl Phthalate	<0.33	0.33
4,6-Dinitro-2-methylphenol	<0.83	0.83
2,4-Dinitrophenol	<0.83	0.83
2,4-Dinitrotoluene	<0.33	0.33
2,6-Dinitrotoluene	<0.33	0.33
Di-n-octyl Phthalate	<0.33	0.33
1,2-Diphenylhydrazine	<0.33	0.33

Continued on next page

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QUALITY CONTROL REPORT

Semivolatile Organic Compounds by EPA Method 8270C (Continued)

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL
QC Batch: 0801236 (Continued) 3550B Sonication Extraction/USEPA-8270C								
Method Blank (Continued)						Analyzed:	02/12/2008	By: DMC
Unit: mg/kg wet						Analytical Batch:	8021276	
Fluoranthene			<0.33				0.33	
Fluorene			<0.33				0.33	
Hexachlorobenzene			<0.33				0.33	
Hexachlorobutadiene			<0.050				0.050	
Hexachlorocyclopentadiene			<0.33				0.33	
Hexachloroethane			<0.30				0.30	
Indeno(1,2,3-cd)pyrene			<0.33				0.33	
Isophorone			<0.33				0.33	
2-Methylnaphthalene			<0.33				0.33	
2-Methylphenol			<0.33				0.33	
3+4-Methylphenol			<0.33				0.33	
Naphthalene			<0.33				0.33	
4-Nitroaniline			<0.33				0.33	
3-Nitroaniline			<0.83				0.83	
2-Nitroaniline			<0.83				0.83	
Nitrobenzene			<0.33				0.33	
4-Nitrophenol			<0.83				0.83	
2-Nitrophenol			<0.33				0.33	
N-Nitroso-dimethylamine			<0.33				0.33	
N-Nitroso-diphenylamine			<0.33				0.33	
N-Nitroso-di-n-propylamine			<0.33				0.33	
Pentachlorophenol			<0.020				0.020	
Phenanthrene			<0.33				0.33	
Phenol			<0.33				0.33	
Pyrene			<0.33				0.33	
1,2,4-Trichlorobenzene			<0.33				0.33	
2,4,5-Trichlorophenol			<0.33				0.33	
2,4,6-Trichlorophenol			<0.33				0.33	
Surrogates								
2-Fluorophenol				75	*40-105*			
Phenol-d6				79	*44-104*			
Nitrobenzene-d5				95	*47-118*			
2-Fluorobiphenyl				88	*48-119*			
2,4,6-Tribromophenol				83	*36-120*			
p-Terphenyl				80	*45-130*			
Laboratory Control Sample						Analyzed:	02/12/2008	By: DMC
Unit: mg/kg wet						Analytical Batch:	8021276	
Acenaphthene		0.333	**0.225**	68	60-120		0.33	

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QUALITY CONTROL REPORT

Semivolatile Organic Compounds by EPA Method 8270C (Continued)

Analyte	Sample Conc.	Spike Qty.	Result	Spike % Rec.	Control Limits	RPD	RPD Limits	RL
QC Batch: 0801236 (Continued) 3550B Sonication Extraction/USEPA-8270C								
Laboratory Control Sample (Continued)						Analyzed:	02/12/2008	By: DMC
Unit: mg/kg wet						Analytical Batch:	8021276	
4-Chloro-3-methylphenol		0.500	**0.398**	80	57-124		0.28	
2-Chlorophenol		0.500	**0.470**	94	62-118		0.33	
1,4-Dichlorobenzene		0.333	**0.285**	86	61-111		0.33	
2,4-Dinitrotoluene		0.333	**0.294**	88	51-128		0.33	
Naphthalene		0.333	**0.300**	90	52-128		0.33	
4-Nitrophenol		0.500	**0.386**	77	36-131		0.83	
N-Nitroso-di-n-propylamine		0.333	**0.278**	83	54-115		0.33	
Pentachlorophenol		0.500	**0.243**	49	19-117		0.020	
Phenol		0.500	**0.403**	81	53-120		0.33	
Pyrene		0.333	**0.280**	84	60-132		0.33	
1,2,4-Trichlorobenzene		0.333	**0.296**	89	57-122		0.33	
Surrogates:								
2-Fluorophenol				79	*40-105*			
Phenol-d6				81	*44-104*			
Nitrobenzene-d5				95	*47-118*			
2-Fluorobiphenyl				92	*48-119*			
2,4,6-Tribromophenol				86	*36-120*			
o-Terphenyl				88	*45-130*			

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QUALITY CONTROL REPORT

Total Metals by EPA 6000/7000 Series Methods

QC Type	Sample Conc.	Spike Qty.	Result	Unit	Spike % Rec.	Control Limits	RPD	RPD Limits	RL
Analyte:	**Arsenic**/USEPA-6020A								
QC Batch: 0801356 (3050B Digestion)							Analyzed: 02/12/2008 By: KLV		
Method Blank			<0.10	mg/kg dry wt.					0.10
Laboratory Control Sample		20.0	**20.0**	mg/kg dry wt.	100	82-116			0.10
0802068-01 PM - Fill - D									
Matrix Spike	1.98	20.0	**20.7**	mg/kg dry wt.	94	65-125			0.10
Matrix Spike Duplicate	1.98	20.0	**21.1**	mg/kg dry wt.	96	65-125	2	20	0.10
Analyte:	**Barium**/USEPA-6020A								
QC Batch: 0801356 (3050B Digestion)							Analyzed: 02/12/2008 By: KLV		
Method Blank			<0.10	mg/kg dry wt.					0.10
Laboratory Control Sample		20.0	**20.5**	mg/kg dry wt.	102	86-118			0.10
0802068-01 PM - Fill - D									
Matrix Spike	35.6	20.0	**56.9**	mg/kg dry wt.	107	64-134			0.20
Matrix Spike Duplicate	35.6	20.0	**60.4**	mg/kg dry wt.	124	64-134	6	20	0.20
Analyte:	**Cadmium**/USEPA-6020A								
QC Batch: 0801356 (3050B Digestion)							Analyzed: 02/12/2008 By: KLV		
Method Blank			<0.050	mg/kg dry wt.					0.050
Laboratory Control Sample		20.0	**19.2**	mg/kg dry wt.	96	83-113			0.050
0802068-01 PM - Fill - D									
Matrix Spike	0.0670	20.0	**19.8**	mg/kg dry wt.	99	84-119			0.050
Matrix Spike Duplicate	0.0670	20.0	**20.1**	mg/kg dry wt.	100	84-119	2	20	0.050
Analyte:	**Chromium**/USEPA-6020A								
QC Batch: 0801356 (3050B Digestion)							Analyzed: 02/12/2008 By: KLV		
Method Blank			<0.10	mg/kg dry wt.					0.10
Laboratory Control Sample		20.0	**20.0**	mg/kg dry wt.	100	87-118			0.10
0802068-01 PM - Fill - D									
Matrix Spike	6.64	20.0	**25.3**	mg/kg dry wt.	93	63-134			0.10
Matrix Spike Duplicate	6.64	20.0	**26.8**	mg/kg dry wt.	101	63-134	6	20	0.10
Analyte:	**Lead**/USEPA-6020A								
QC Batch: 0801356 (3050B Digestion)							Analyzed: 02/12/2008 By: KLV		
Method Blank			<0.10	mg/kg dry wt.					0.10

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QUALITY CONTROL REPORT

Total Metals by EPA 6000/7000 Series Methods (Continued)

QC Type	Sample Conc.	Spike Qty.	Result	Unit	Spike % Rec.	Control Limits	RPD	RPD Limits	RL
Analyte:	**Lead**/USEPA-6020A (Continued)								
QC Batch: 0801356 (Continued) (3050B Digestion)							Analyzed: 02/12/2008 By: KLV		
Laboratory Control Sample		20.0	**20.7**	mg/kg dry wt.	104	82-118			0.10
0802068-01 PM - Fill - D									
Matrix Spike	6.63	20.0	**27.2**	mg/kg dry wt.	103	69-129			0.10
Matrix Spike Duplicate	6.63	20.0	**27.7**	mg/kg dry wt.	106	69-129	2	20	0.10
Analyte:	**Mercury**/USEPA-7471A								
QC Batch: 0801411 (7471A Mercury Digestion)							Analyzed: 02/12/2008 By: DSC		
Method Blank			<0.050	mg/kg dry wt.					0.050
Laboratory Control Sample		0.333	**0.327**	mg/kg dry wt.	98	76-122			0.050
0802068-01 PM - Fill - D									
Matrix Spike	0.0148	0.333	**0.352**	mg/kg dry wt.	101	71-123			0.050
Matrix Spike Duplicate	0.0148	0.333	**0.352**	mg/kg dry wt.	101	71-123	0.1	20	0.050
Analyte:	**Selenium**/USEPA-6020A								
QC Batch: 0801356 (3050B Digestion)							Analyzed: 02/12/2008 By: KLV		
Method Blank			<0.10	mg/kg dry wt.					0.10
Laboratory Control Sample		20.0	**19.5**	mg/kg dry wt.	97	73-117			0.10
0802068-01 PM - Fill - D									
Matrix Spike	<0.10	20.0	**18.0**	mg/kg dry wt.	90	58-123			0.10
Matrix Spike Duplicate	<0.10	20.0	**17.6**	mg/kg dry wt.	88	58-123	2	20	0.10
Analyte:	**Silver**/USEPA-6020A								
QC Batch: 0801356 (3050B Digestion)							Analyzed: 02/12/2008 By: KLV		
Method Blank			<0.10	mg/kg dry wt.					0.10
Laboratory Control Sample		20.0	**19.4**	mg/kg dry wt.	97	90-112			0.10
0802068-01 PM - Fill - D									
Matrix Spike	0.0295	20.0	**19.1**	mg/kg dry wt.	95	76-119			0.10
Matrix Spike Duplicate	0.0295	20.0	**19.1**	mg/kg dry wt.	95	76-119	0.2	20	0.10

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QUALITY CONTROL REPORT

Physical/Chemical Parameters by EPA/APHA/ASTM Methods

QC Type	Sample Conc.	Spike Qty.	Result	Unit	Spike % Rec.	Control Limits	RPD	RPD Limits	RL
Analyte:	**Percent Solids**/USEPA-3550B								
QC Batch: 0801361 (General Inorganic Prep)							Analyzed: 02/08/2008 By: KNC		
Method Blank			<0.1	%					0.1
0802068-01 PM - Fill - D									
Duplicate	88		**89**	%			0.07	20	0.1
Analyte:	**SGT-HEM; Nonpolar Material**/USEPA-9071B								
QC Batch: 0801453 (Method-Specific Preparation)							Analyzed: 02/11/2008 By: CLB		
Method Blank			<400	mg/kg wet					400
Laboratory Control Sample		2000	**1820**	mg/kg wet	91	64-132			400
0802068-01 PM - Fill - D									
Duplicate	<450		<450	mg/kg dry				24	450

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STATEMENT OF DATA QUALIFICATIONS

Organochlorine Pesticides by EPA Method 8081A

Qualification: The LCS recovery was less than the lower control limit but greater than or equal to 10%. A positive result for this analyte in the associated QC batch is considered estimated; a non-detect result for the same analyte is considered as approximate.

Analysis: USEPA-8081A

0801259-BS4	4,4'-DDE
0801259-BS4	4,4'-DDT
0801259-BS4	Aldrin
0801259-BS4	alpha-BHC
0801259-BS4	alpha-Chlordane
0801259-BS4	beta-BHC
0801259-BS4	delta-BHC
0801259-BS4	Dieldrin
0801259-BS4	Endrin Ketone
0801259-BS4	gamma-BHC (Lindane)
0801259-BS4	gamma-Chlordane
0801259-BS4	Heptachlor
0801259-BS4	Heptachlor Epoxide
0801259-BS4	Methoxychlor

Qualification: This sample was re-extracted due to low recoveries in the associated Blank Spike. The re-extraction was performed within the holding time. Both sets of results are reported.

Analysis: USEPA-8081A

Sample/Analyte: 0802068-01 PM - Fill - D

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Chain of Custody Record

COC No. 102967

Page ____ of ____

For Lab Use Only

Cart: Vol. Soil
VOA Rack/Tray: —
Receipt Log No.: 47-14
Project Chemist:
Laboratory Project No.: 08020068

Client Name: RMT, Inc
Address: 2025 E. Beltline Ave SE Ste. 402, Grand Rapids, MI 49546
Phone: 616-975-5415
Fax: 616-975-1098

Project Name: Plainwell Mill
Client Project No. / P.O. No.: 5130.04
Invoice To: ☒ Client ☐ Other (comments)
Contact/Report To: J. Overvoorde

Analyses Requested

Container Type (corresponds to Container Packing List)

Test Group	Matrix Code	Laboratory Sample Number		Sample ID	Cooler ID	Sample Date	Sample Time	COMP	GRAB	Matrix	VOC, SVOCs, RCB, TPH	RCRA Metals	Pesticides	Total	Sample Comments
01		01	1	PM-Fill-D		2/5/08	18:29		X	S	X	X	X	X	3	
			2												
			3												
			4												
			5												
			6												
			7												
			8												
			9												
			10												

Number of Containers Submitted

PRESERVATIVES
A NONE pH 7
B HNO_3 pH<2
C H_2SO_4 pH<2
D 1+1 HCl pH<2
E NaOH pH>12
F ZnAc/NaOH pH>9
G MeOH
H Other (note below)

Sampled By (print): E. Vincke
Sampler's Signature: E. Vincke
Company: RMT Inc

How Shipped? Hand Carrier ____
Tracking No.

Comments

1. Relinquished By	Date	Time	2. Relinquished By	Date	Time	3. Relinquished By	Date	Time
E. Vincke	2/6/07							
1. Received By	**Date**	**Time**	**2. Received By**	**Date**	**Time**	**3. Received For Lab By**	**Date**	**Time**
						[illegible]	2-6-08	1400

TriMatrix COC - COC

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