



Environment Health & Safety, WTC 2G2
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Federal Way, WA 98063-9777
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E-Mail: Jennifer.hale@weyerhaeuser.com

October 29, 2008

Mr. Michael Berkoff
Remedial Project Manager
U.S. EPA Region 5 (SR-6J)
77 West Jackson Boulevard
Chicago, IL 60604-3590



**Subject: 12th Street Landfill, Otsego Township, Michigan
(Operable Unit #4 of the Allied Paper, Inc./Portage Creek/
Kalamazoo River Superfund Site)
Progress Report for July Through September 2008**

Dear Michael:

In accordance with Paragraph 44 of the Consent Decree for the Design and Implementation of Certain Response Actions at Operable Unit #4 and the Plainwell, Inc., Mill, I am submitting the attached progress report for the period from July 1, 2008, through September 30, 2008, for the above-referenced site.

Please call me, at 253-218-5147, if you have any questions.

Sincerely,

Weyerhaeuser Company

A handwritten signature in cursive script that reads "Jennifer Hale".

Jennifer Hale
Environmental Manager

Attachment

cc: Paul Bucholtz – MDEQ (3 copies)
Jeff Keiser – CH2M Hill
John Gross – Weyerhaeuser Company
Marvin Lewallen – Weyerhaeuser Company
Joe Jackowski – Weyerhaeuser Company
Martin Lebo – Weyerhaeuser Company
Mark Schneider – Perkins Coie
Kathy Huibregtse – RMT, Inc.
Michael Amstadt, P.E. – RMT, Inc.

Progress Report No. 3
July 1, 2008, Through September 30, 2008

Remedial Design and Remedial Action for the 12th Street Landfill
(Operable Unit No. 4 of the Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site)
Otsego Township, Michigan

This progress report is being submitted in accordance with Paragraph 44 of the Consent Decree for the Design and Implementation of Certain Response Actions at Operable Unit No. 4 and the Plainwell, Inc., Mill Property of the Allied Paper, Inc./Portage Creek/Kalamazoo River Superfund Site (Consent Decree).

1. Summary of Work Performed During the Current Reporting Period:
 - On July 8, 2008, Weyerhaeuser collected a groundwater sample from the water supply well on the asphalt plant property. The sample was sent to Trace Analytical Laboratories, Inc., for analysis of VOCs, PAHs, and PCBs.
 - On July 29, 2008, Weyerhaeuser submitted to the U.S. EPA the draft report for the analytical work performed on the sample collected from the asphalt plant's water supply well. The results were nondetect for all of the parameters. The final analytical report is attached to this progress report (Attachment 1).
 - On August 1, 2008, Weyerhaeuser submitted to the U.S. EPA the Emergency Response Plan Documentation Report.
 - On August 1, 2008, Weyerhaeuser submitted to the U.S. EPA the Documentation of the Pre-design Studies Report.
 - During the weeks of September 15 and 22, RMT, on behalf of Weyerhaeuser, inspected the 12th Street Landfill final cover and the erosion protection along the Kalamazoo River to verify that the design was performing as expected and that erosion was not occurring as a result of the heavy rains and subsequent flood waters. Based on our visual observations the erosion control measures (riprap and erosion matting) held up and no repairs are needed. The silt fence should be fixed in two locations, which will be done in the next couple of weeks.
 - On October 8, 2008, Weyerhaeuser submitted to the U.S. EPA the Preliminary Design Report.
2. Summary of Data Collected During the Current Reporting Period:
 - On July 8, 2008, Weyerhaeuser collected a groundwater sample from the water supply well on the asphalt plant property. The sample was sent to Trace Analytical Laboratories, Inc., for analysis of VOCs, PAHs, and PCBs. The results of this analysis were nondetect for all of the parameters. Attached for your records is the final report for the analytical work.
3. 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.
4. Summary of Any Modifications to the Workplans or Other Schedules Proposed to, or Approved by, the U.S. EPA:

- On September 17, Weyerhaeuser informed the U.S. EPA that the submittal date for the Preliminary Design Report would be delayed by approximately 2 weeks and that they would receive the document around October 8 or 9.
5. Summary of Problems Encountered During the Current Reporting Period:
 - None.
 6. Summary and Schedule of Work Anticipated During the Next Reporting Period (October through December 2008):
 - A meeting has been scheduled for October 21, 2008, to introduce new Weyerhaeuser team members to the U.S. EPA and the MDEQ, and to update everyone on the status of current and future activities.
 - Following the receipt of the U.S. EPA's comments on the Preliminary Design Report, Weyerhaeuser will address the comments and submit a Pre-Final Design to the U.S. EPA.
 - Weyerhaeuser anticipates that it will complete its acquisition of the 12th Street Landfill property from Plainwell, Inc.
 7. Anticipated Problems Associated With Work During the Next Period:
 - None.
 8. Planned Resolution of Past or Anticipated Problems:
 - None are needed.
 9. Other Relevant Information:
 - None.

Attachment 1



phone 231.773.5998
toll-free 800.733.5998
fax 231.773.6537

Trace Analytical Laboratories, Inc.
2241 Black Creek Road
Muskegon, MI 49444-2673
info@trace-labs.com
www.trace-labs.com

July 29, 2008

Ms. Jennifer Overvoorde
RMT, Inc.
2025 E. Beltline Ave. SE Suite 402
Grand Rapids, MI 49546

Phone: (616) 975-5415
Fax: (616) 975-1098

RE: Trace ID: T08G091

Dear Ms. Overvoorde:

Enclosed are your analytical results associated with your project for 12th St. Landfill / 5117.08.

The results were obtained from MDEQ.

Thank you for working with Trace. If you have questions concerning this report, please contact me at 231.773.5998 or by email at jmink@trace-labs.com.

Sincerely,

Jon Mink
Project Manager

Enclosures



TRACE OPERATES IN COMPLIANCE WITH THE DEPARTMENT OF DEFENSE
QUALITY SYSTEMS MANUAL FOR ENVIRONMENTAL LABORATORIES

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**MICHIGAN DEPARTMENT OF ENVIRONMENTAL QUALITY
DRINKING WATER LABORATORY**

USEPA Region V Drinking Water Cert. No. MI00003
P.O. Box 30270
Lansing, MI 48909
TEL: (517) 335-8184
FAX: (517) 335-8662

**Sample Number
LC26884**

Official Laboratory Report

Report To: **TRACE ANALYTICAL LABS
2241 BLACK CREEK RD
MUSKEGON MI 49444**

System Name/Owner:		WSSN/Pool ID:	
Collection Address:	12TH ST LANDFILL,	Source:	Other
Collected By:	SCOT MIDDLEBROOK	Site Code:	ID T086091
Township/Well#/Section:	//	Collector:	Other
County:	Unknown	Date Collected:	07/08/2008 09:01
Sample Point:	RW-1	Date Received:	07/11/2008 12:15
Water System:	Other	Purpose:	Other

Sample Comment LC26884 Sample was not submitted in a DEQ Drinking Water Laboratory sampling unit. Quality control check for that lot of sampling units was not performed by the DEQ laboratory.

TESTING INFORMATION			REGULATORY INFORMATION			
Analyte Name	Result (mg/L)	Date Tested	RL (mg/L)	MCL/AL (mg/L)	Method	CAS #
Aromatic Compounds by GC/MS						
1 Methylanthalene	Not Detected	07/22/2008	0.001		EPA 525.2	90-12-0
2 Chloranthalene	Not Detected	07/22/2008	0.001		EPA 525.2	91-58-7
2 Methylanthalene	Not Detected	07/22/2008	0.001		EPA 525.2	91-57-6
2,4 Dinitrotoluene	Not Detected	07/22/2008	0.001		EPA 525.2	121-14-2
2,6 Dinitrotoluene	Not Detected	07/22/2008	0.001		EPA 525.2	608-20-2
Acenaphthene	Not Detected	07/22/2008	0.001		EPA 525.2	83-32-9
Acenaphthylene	Not Detected	07/22/2008	0.001		EPA 525.2	208-86-8
Anthracene	Not Detected	07/22/2008	0.001		EPA 525.2	120-12-7
Benzo[a]anthracene	Not Detected	07/22/2008	0.001		EPA 525.2	56-55-3
Benzo[a]pyrene	Not Detected	07/22/2008	0.00006	0.0002	EPA 525.2	60-32-8
Benzo[b]fluoranthene	Not Detected	07/22/2008	0.001		EPA 525.2	205-99-2
Benzo[g,h,i]perylene	Not Detected	07/22/2008	0.001		EPA 525.2	191-24-2
Benzo[k]fluoranthene	Not Detected	07/22/2008	0.001		EPA 525.2	207-08-9
Chrysene	Not Detected	07/22/2008	0.001		EPA 525.2	218-01-9
Di(2-ethylhexyl)adipate	Not Detected	07/22/2008	0.0006	0.4	EPA 525.2	103-23-1
Di(2-ethylhexyl)phthalate	Not Detected	07/22/2008	0.0006	0.006	EPA 525.2	117-81-7
Dibenz[a,h]anthracene	Not Detected	07/22/2008	0.001		EPA 525.2	53-70-3
Fluoranthene	Not Detected	07/22/2008	0.001		EPA 525.2	206-44-0
Fluorene	Not Detected	07/22/2008	0.001		EPA 525.2	86-73-7
Indeno(1,2,3-c,d)pyrene	Not Detected	07/22/2008	0.001		EPA 525.2	193-39-5
Phenanthrene	Not Detected	07/22/2008	0.001		EPA 525.2	85-01-8
Pyrene	Not Detected	07/22/2008	0.001		EPA 525.2	129-00-0

CAS# : Chemical Abstract Service Registry Number	mg/L : milligrams / Liter (ppm)	Laboratory Contacts
MCL : Maximum Contaminant Level	ppm : parts per million	Drinking Water Unit Mgr: Julia Pieper
AL : Action Level	MPN : Most Probable Number	Systems Mgmt. Unit Mgr: George Krisztian
RL : Reporting Limit	CFU : Colony Forming Unit	

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DRINKING WATER LABORATORY**

USEPA Region V Drinking Water Cert. No. MI00003
P.O. Box 30270
Lansing, MI 48909
TEL: (517) 336-8184
FAX: (517) 335-8562

**Sample Number
LC26884**

TESTING INFORMATION			REGULATORY INFORMATION			
Analyte Name	Result (mg/L)	Date Tested	RL (mg/L)	MCL/AL (mg/L)	Method	CAS #

A compound tentatively identified as 2,4-di-tert-butyl-phenol was detected.

Pesticides Analysis by GC/MS						
Analyte Name	Result (mg/L)	Date Tested	RL (mg/L)	MCL/AL (mg/L)	Method	CAS #
4,4'-DDD	Not Detected	07/21/2008	0.001		EPA 525.2	72-54-8
4,4'-DDE	Not Detected	07/21/2008	0.001		EPA 525.2	72-55-9
4,4'-DDT	Not Detected	07/21/2008	0.001		EPA 525.2	50-29-3
Acetochlor	Not Detected	07/21/2008	0.001		EPA 525.2	34286-82-1
Alachlor	Not Detected	07/21/2008	0.0002	0.002	EPA 525.2	15972-60-8
Aldrin	Not Detected	07/21/2008	0.0004		EPA 525.2	308-00-2
alpha-Chlordane	Not Detected	07/21/2008	0.0002	0.002	EPA 525.2	5103-71-9
alpha-Endosulfan	Not Detected	07/21/2008	0.001		EPA 525.2	959-98-8
Ametryn	Not Detected	07/21/2008	0.001		EPA 525.2	834-12-8
Atrazine	Not Detected	07/21/2008	0.0002	0.003	EPA 525.2	1912-24-9
beta-Endosulfan	Not Detected	07/21/2008	0.001		EPA 525.2	33213-65-9
Bromadiolone	Not Detected	07/21/2008	0.002		EPA 525.2	314-40-9
Butachlor	Not Detected	07/21/2008	0.002		EPA 525.2	23184-66-9
Butylate	Not Detected	07/21/2008	0.002		EPA 525.2	2008-41-5
Carboxin	Not Detected	07/21/2008	0.002		EPA 525.2	5234-68-4
Chlorothalonil	Not Detected	07/21/2008	0.001		EPA 525.2	1897-45-8
Cycloate	Not Detected	07/21/2008	0.002		EPA 525.2	1134-23-2
Cyprazine	Not Detected	07/21/2008	0.001		EPA 525.2	22836-86-3
Dieldrin	Not Detected	07/21/2008	0.0005		EPA 525.2	60-57-1
Diphenamid	Not Detected	07/21/2008	0.001		EPA 525.2	957-51-7
Endrin	Not Detected	07/21/2008	0.00005	0.002	EPA 525.2	72-20-8
Endrin aldehyde	Not Detected	07/21/2008	0.002		EPA 525.2	7421-93-4
EPTC	Not Detected	07/21/2008	0.001		EPA 525.2	759-94-4
gamma-Chlordane	Not Detected	07/21/2008	0.0002	0.002	EPA 525.2	5103-74-2
Hepachlor	Not Detected	07/21/2008	0.00008	0.0004	EPA 525.2	78-44-8
Hepachlor epoxide	Not Detected	07/21/2008	0.00004	0.0002	EPA 525.2	1024-57-3
Hexachlorobenzene	Not Detected	07/21/2008	0.0001	0.001	EPA 525.2	118-74-1
Hexachlorocyclohexane (alpha-BHC)	Not Detected	07/21/2008	0.001		EPA 525.2	319-84-6
Hexachlorocyclohexane (beta-BHC)	Not Detected	07/21/2008	0.001		EPA 525.2	319-85-7
Hexachlorocyclohexane (delta-BHC)	Not Detected	07/21/2008	0.001		EPA 525.2	319-88-8
Hexachlorocyclopentadiene	Not Detected	07/21/2008	0.0002	0.05	EPA 525.2	77-47-4
Hexazinone	Not Detected	07/21/2008	0.003		EPA 525.2	51235-04-2
Lindane (gamma-BHC)	Not Detected	07/21/2008	0.00004	0.0002	EPA 525.2	58-89-9
Methoxychlor	Not Detected	07/21/2008	0.0001	0.04	EPA 525.2	72-43-5
Metolachlor	Not Detected	07/21/2008	0.001		EPA 525.2	51218-45-2
Metribuzin	Not Detected	07/21/2008	0.001		EPA 525.2	21087-64-9

CAS# : Chemical Abstract Service Registry Number	mg/L : milligrams / Liter (ppm)	Laboratory Contacts
MCL : Maximum Contaminant Level	ppm : parts per million	Drinking Water Unit Mgr: Julia Pieper
AL : Action Level	MPN : Most Probable Number	Systems Mgmt. Unit Mgr: George Kristian
RL : Reporting Limit	CFU : Colony Forming Unit	

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 DRINKING WATER LABORATORY

USEPA Region V Drinking Water Cert. No. MI00003
 P.O. Box 30270
 Lansing, MI 48909
 TEL: (517) 335-8184
 FAX: (517) 335-8562

Sample Number
LC26884

TESTING INFORMATION			REGULATORY INFORMATION			
Analyte Name	Result (mg/L)	Date Tested	RL (mg/L)	MCL/AL (mg/L)	Method	CAS #
Pesticides Analysis by GC/MS						
Molinate	Not Detected	07/21/2008	0.002		EPA 525.2	2212-67-1
Octachlorocyclopentene	Not Detected	07/21/2008	0.002		EPA 525.2	706-78-5
PCB (aroclor 1016)	Not Detected	07/21/2008	0.0001	0.0005	EPA 525.2	12674-11-2
PCB (aroclor 1221)	Not Detected	07/21/2008	0.0001	0.0005	EPA 525.2	11104-28-2
PCB (aroclor 1232)	Not Detected	07/21/2008	0.0001	0.0005	EPA 525.2	11141-16-5
PCB (aroclor 1242)	Not Detected	07/21/2008	0.0001	0.0005	EPA 525.2	53469-21-9
PCB (aroclor 1248)	Not Detected	07/21/2008	0.0001	0.0005	EPA 525.2	12672-29-6
PCB (aroclor 1254)	Not Detected	07/21/2008	0.0001	0.0005	EPA 525.2	11097-69-1
PCB (aroclor 1260)	Not Detected	07/21/2008	0.0001	0.0005	EPA 525.2	11096-82-5
Polybrominated biphenyls	Not Detected	07/21/2008	0.001		EPA 525.2	59536-65-1
Prometon	Not Detected	07/21/2008	0.001		EPA 525.2	1610-18-0
Pronamide	Not Detected	07/21/2008	0.001		EPA 525.2	23950-58-5
Propachlor	Not Detected	07/21/2008	0.001		EPA 525.2	1918-16-7
Propazine	Not Detected	07/21/2008	0.001		EPA 525.2	139-40-2
Simazine	Not Detected	07/21/2008	0.0002	0.004	EPA 525.2	122-34-9
Tebuthiuron	Not Detected	07/21/2008	0.005		EPA 525.2	34014-18-1
Terbacil	Not Detected	07/21/2008	0.002		EPA 525.2	5902-51-2
Toxaphene	Not Detected	07/21/2008	0.001	0.003	EPA 525.2	8001-35-2
Trifluralin	Not Detected	07/21/2008	0.001		EPA 525.2	1582-09-8

A compound tentatively identified as 2,4-di-tert-butyl-phenol was detected.

Volatile Organic Compounds						
Analyte Name	Result	Date Tested	RL	MCL/AL	Method	CAS #
1,1 Dichloroethane	Not Detected	07/18/2008	0.0005		EPA 524.2	75-34-3
1,1 Dichloroethylene	Not Detected	07/18/2008	0.0005	0.007	EPA 524.2	75-35-4
1,1 Dichloropropane	Not Detected	07/18/2008	0.0005		EPA 524.2	563-58-6
1,1,1 Trichloroethane	Not Detected	07/18/2008	0.0005	0.2	EPA 524.2	71-55-6
1,1,1,2 Tetrachloroethane	Not Detected	07/18/2008	0.0005		EPA 524.2	630-20-6
1,1,2 Trichloroethane	Not Detected	07/18/2008	0.0005	0.005	EPA 524.2	78-00-5
1,1,2,2 Tetrachloroethane	Not Detected	07/18/2008	0.0005		EPA 524.2	79-34-5
1,2 Dichlorobenzene	Not Detected	07/18/2008	0.0005	0.6	EPA 524.2	95-50-1
1,2 Dichloroethane	Not Detected	07/18/2008	0.0005	0.005	EPA 524.2	107-08-2
1,2 Dichloropropane	Not Detected	07/18/2008	0.0005	0.005	EPA 524.2	78-87-5
1,2,3 Trichlorobenzene	Not Detected	07/18/2008	0.0005		EPA 524.2	87-61-6
1,2,3 Trichloropropane	Not Detected	07/18/2008	0.0005		EPA 524.2	96-18-4
1,2,4 Trichlorobenzene	Not Detected	07/18/2008	0.0005	0.07	EPA 524.2	120-82-1
1,2,4 Trimethylbenzene	Not Detected	07/18/2008	0.0005		EPA 524.2	95-63-6
1,3 Dichlorobenzene	Not Detected	07/18/2008	0.0005		EPA 524.2	541-73-1
1,3 Dichloropropane	Not Detected	07/18/2008	0.0005		EPA 524.2	142-28-9
1,3,5 Trimethylbenzene	Not Detected	07/18/2008	0.0005		EPA 524.2	108-67-8

CAS# : Chemical Abstract Service Registry Number	mg/L : milligrams / Liter (ppm)	Laboratory Contacts
MCL : Maximum Contaminant Level	ppm : parts per million	Drinking Water Unit Mgr: Julia Pieper
AL : Action Level	MPN : Most Probable Number	Systems Mgmt. Unit Mgr: George Kirsztian
RL : Reporting Limit	CFU : Colony Forming Unit	

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DRINKING WATER LABORATORY

USEPA Region V Drinking Water Cert. No. MI00003

P.O. Box 30270
Lansing, MI 48909
TEL: (517) 335-8184
FAX: (517) 335-8562

Sample Number
LC26884

TESTING INFORMATION			REGULATORY INFORMATION			
Analyte Name	Result (mg/L)	Date Tested	RL (mg/L)	MCL/AL (mg/L)	Method	CAS #
Volatile Organic Compounds						
1,4 Dichlorobenzene	Not Detected	07/18/2008	0.0005	0.075	EPA 524.2	106-46-7
2,2 Dichloropropane	Not Detected	07/18/2008	0.0005		EPA 524.2	594-20-7
Benzene	Not Detected	07/18/2008	0.0005	0.005	EPA 524.2	71-43-2
Bromobenzene	Not Detected	07/18/2008	0.0005		EPA 524.2	108-86-1
Bromochloromethane	Not Detected	07/18/2008	0.0005		EPA 524.2	74-97-5
Bromodichloromethane	Not Detected	07/18/2008	0.0005	0.080	EPA 524.2	75-27-4
Bromoform	Not Detected	07/18/2008	0.0005	0.080	EPA 524.2	75-25-2
Bromomethane	Not Detected	07/18/2008	0.001		EPA 524.2	74-83-9
Carbon tetrachloride	Not Detected	07/18/2008	0.0005	0.005	EPA 524.2	56-23-5
Chlorobenzene	Not Detected	07/18/2008	0.0005	0.1	EPA 524.2	108-90-7
Chlorodibromomethane	Not Detected	07/18/2008	0.0005	0.080	EPA 524.2	124-48-1
Chloroethane	Not Detected	07/18/2008	0.0005		EPA 524.2	75-00-3
Chloroform	Not Detected	07/18/2008	0.0005	0.080	EPA 524.2	67-66-3
Chloromethane	Not Detected	07/18/2008	0.0005		EPA 524.2	74-87-3
cis-1,2 Dichloroethylene	Not Detected	07/18/2008	0.0005	0.07	EPA 524.2	156-59-2
cis-1,3 Dichloropropene	Not Detected	07/18/2008	0.0005		EPA 524.2	10081-01-5
Dibromomethane	Not Detected	07/18/2008	0.0005		EPA 524.2	74-95-3
Dichlorodifluoromethane	Not Detected	07/18/2008	0.001		EPA 524.2	75-71-8
Dichloromethane	Not Detected	07/18/2008	0.0005	0.005	EPA 524.2	75-09-2
Ethylbenzene	Not Detected	07/18/2008	0.0005	0.7	EPA 524.2	100-41-4
Fluorotrichloromethane	Not Detected	07/18/2008	0.001		EPA 524.2	75-89-4
Hexachlorobutadiene	Not Detected	07/18/2008	0.0005		EPA 524.2	87-68-3
Isopropylbenzene	Not Detected	07/18/2008	0.0005		EPA 524.2	98-82-8
m & p-Xylene	Not Detected	07/18/2008	0.0005	10	EPA 524.2	XYLMP-00-C
Methyl ethyl ketone	Not Detected	07/18/2008	0.005		EPA 524.2	78-93-3
Methyl isobutyl ketone	Not Detected	07/18/2008	0.005		EPA 524.2	108-10-1
Methyl-tert-butyl ether (MTBE)	Not Detected	07/18/2008	0.001		EPA 524.2	1634-04-4
Naphthalene	Not Detected	07/18/2008	0.0005		EPA 524.2	91-20-3
n-Butylbenzene	Not Detected	07/18/2008	0.0005		EPA 524.2	104-51-8
Nitrobenzene	Not Detected	07/18/2008	0.01		EPA 524.2	98-95-3
n-Propylbenzene	Not Detected	07/18/2008	0.0005		EPA 524.2	103-65-1
o-Chlorotoluene	Not Detected	07/18/2008	0.0005		EPA 524.2	95-49-8
o-Xylene	Not Detected	07/18/2008	0.0005	10	EPA 524.2	95-47-6
p-Chlorotoluene	Not Detected	07/18/2008	0.0005		EPA 524.2	106-43-4
p-Isopropyltoluene	Not Detected	07/18/2008	0.0005		EPA 524.2	99-87-6
sec-Butylbenzene	Not Detected	07/18/2008	0.0005		EPA 524.2	135-98-8
Styrene	Not Detected	07/18/2008	0.0005	0.1	EPA 524.2	100-42-5
tert-Butylbenzene	Not Detected	07/18/2008	0.0005		EPA 524.2	98-06-6
Tetrachloroethylene	Not Detected	07/18/2008	0.0005	0.005	EPA 524.2	127-18-4

CAS# : Chemical Abstract Service Registry Number	mg/L : milligrams / Liter (ppm)	Laboratory Contacts
MCL : Maximum Contaminant Level	ppm : parts per million	Drinking Water Unit Mgr: Julia Pleper
AL : Action Level	MPN : Most Probable Number	Systems Mgmt. Unit Mgr: George Kriestlan
RL : Reporting Limit	CFU : Colony Forming Unit	

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**Sample Number
LC26884**

TESTING INFORMATION			REGULATORY INFORMATION			
Analyte Name	Result (mg/L)	Date Tested	RL (mg/L)	MCL/AL (mg/L)	Method	CAS #
Volatile Organic Compounds						
Tetrahydrofuran	Not Detected	07/18/2008	0.005		EPA 524.2	109-99-9
Toluene	Not Detected	07/18/2008	0.0005	1	EPA 524.2	108-88-3
Total Trihalomethanes	Not Detected	07/18/2008		0.080	EPA 524.2	TTHM-00-C
Total Xylenes	Not Detected	07/18/2008		10	EPA 524.2	1330-20-7
trans-1,2 Dichloroethylene	Not Detected	07/18/2008	0.0005	0.1	EPA 524.2	158-80-5
trans-1,3 Dichloropropene	Not Detected	07/18/2008	0.0005		EPA 524.2	10061-02-8
Trichloroethylene	Not Detected	07/18/2008	0.0005	0.005	EPA 524.2	79-01-6
Vinyl chloride	Not Detected	07/18/2008	0.0004	0.002	EPA 524.2	75-01-4

The analyses performed by the MDEQ Drinking Water Laboratory were conducted using methods approved by the U.S. Environmental Protection Agency in accordance with the Safe Drinking Water Act, 40 CFR parts 141-143, and other regulatory agencies as appropriate.

Your local health department has detailed information about the quality of drinking water in your area. If you have concerns about the health risks related to the test results of your sample, please contact the Environmental Health Section through the address and telephone number listed below:
Unknown

CAS# : Chemical Abstract Service Registry Number	mg/L : milligrams / Liter (ppm)	Laboratory Contacts
MCL : Maximum Contaminant Level	ppm : parts per million	Drinking Water Unit Mgr: Julia Pieper
AL : Action Level	MPN : Most Probable Number	Systems Mgmt. Unit Mgr: George Kriestian
RL : Reporting Limit	CFU : Colony Forming Unit	

CERTIFICATE OF ANALYSIS

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CHAIN-OF-CUSTODY RECORD

Page 1 of 1

TRACE ID NO.
T08G091

Client Name: RMT
Contact Person: Jennifer Overvoorde
Mailing Address: 2025 East Beltline Ave SE, SWITZERLAND
City, State, Zip Code: Grand Rapids, MI 49546
Phone: 616-975-1098
Email Address: jennifer.overvoorde@rmtinc.com
Project #: 2009.5117.08
Project Name: 12th St Landfill

Bill To:
Billing Address (if different): RMT, Madison 744 Heartland Trail
City, State, Zip Code: Madison, WI, 53717
Phone:
Fax:

Table with columns: Item #, RELEASED BY, RECEIVED BY, DATE, TIME, MATRIX, NUMBER OF CONTAINERS. Row 1: 1) SEMI, RECEIVED BY: [Signature], DATE: 7/9/08, TIME: 13:23, MATRIX: D, NUMBER OF CONTAINERS: 5.

TRACE USE ONLY
Logged By: [Signature]
Received on ice: Yes No
Preservative Checked: Yes No N/A
Soil Vials Preserved: MeOH En Core Low Level Lab
Checked By: [Signature]

ANALYSIS REQUESTED
Regulatory Requirements: MEPA TRICS, Drinking Water, NPDES, USACE, Special
Turnaround Requirements: Standard (2 wk), 5 Day, 24 Day (RUSH), 24 Hour (RUSH), Requires prior approval
Matrix Key: S = Soil, W = Water, SE = Sediment, OI = Oil, SO = Solid Waste, WI = Wipes, LW = Liquid Waste, A = Air, D = Drinking Water, SL = Sludge

Table with columns: Item #, RELEASED BY, RECEIVED BY, DATE, TIME, REMARKS. Row 1: 2) SEMI, RECEIVED BY: [Signature], DATE: 7/9/08, TIME: 13:23, REMARKS: VOC, Metals, PCBs, Sp. As, Be, Cd, Cr, Cu, Pb, Hg, Se, Fluoride, Nitrate, Cyanide, PAH'S, REMARKS: See attached List, Needs to run against Drinking Water Standards.

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In executing this agreement, the client acknowledges acceptance of the terms of the agreement as listed on the reverse side.

SAMPLE LOG IN CHECKLIST

Date: 7-9-08 Client Name: BMT # of Coolers: 1
Trace ID #: T08G091 Project Name: _____ Cooler #s: _____
Logged in by: [Signature] Cooler #s: _____

Cooler Receipt

Cooler/samples delivered by: Trace courier
Hand delivered Name of delivery person: _____
Commercial courier UPS DHL FED EX US Mail
Did cooler come with a bill of lading? No Not Applicable
Yes Way Bill or Tracking #: _____
COC Seals present and intact on cooler? No Not Applicable
Yes
Custody seals signed by Client? No Client custody seal # (if applicable): _____
Yes

Coolant and Temperature

Type of Coolant Used		Cooler Temperature	
Yes	No	Temperature Blank	Correction Factor <u>-0.3</u> °C
Slurry w/ crushed, cubed, or chip ice? <input type="checkbox"/>	<input type="checkbox"/>	Date: <u>7-9-08</u> Time: <u>13:23</u>	°C
Multiple bags of ice around samples? <input checked="" type="checkbox"/>	<input type="checkbox"/>	Temperature Blank: _____	°C
Ice Packs/ Blue Ice : <input type="checkbox"/>	<input type="checkbox"/>	Average of 3 samples: <u>1</u>	°C
No Coolant Present: <input type="checkbox"/>	<input type="checkbox"/>	Melt Water: _____	°C
		Ice still present upon receipt: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	

General

	Yes	No	NA
COC taped to inside of cooler lid?	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
All bottles arrived unbroken with labels in good condition?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Each sample point is in a sealed plastic bag?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Labels filled out completely?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
All bottle labels agree with Chain of Custody (COC)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Sufficient sample to run tests requested?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
pH checked and samples at correct pH?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Correct preservative added to samples?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
DRO/GRO samples received and appropriate check in form completed?	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Air bubbles absent from VOAs?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COC filled out properly and signed by client?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
COC signed in by TRACE sample custodian?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
Was project manager called and samples discussed?	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Contact: _____ Date: _____

Notes:

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