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July 23, 2008

Mr. David Dorian
U.S. EPA, Region 4
On-Scene Coordinator
61 Forsyth Street, S.W. (11th Floor)
Atlanta, Georgia 30303

RE: Mills Gap Groundwater Contamination Site
CERCLA Docket No. CER-04-2004-3755
Monthly Progress Report, Number 50
Near Skyland, Buncombe County, North Carolina
MACTEC Project 6690-03-9450

Dear Mr. Dorian:

In accordance with the Administrative Order on Consent (AOC) and Scope of Work for the removal action at the Mills Gap Groundwater Contamination Site, enclosed for your review is the progress report for the month of June 2008.

If you have any questions, please feel free to call either Marv Gobles at (574) 293-7511, or me at (828) 252-8130.

Sincerely,

A handwritten signature in black ink that reads "Matthew E. Wallace" with a stylized flourish at the end.

Matthew E. Wallace, P.E.
Project Coordinator

Attachments

cc: Marvin Gobles, CTS Corporation
Elizabeth Bottorff Ahlemann, CTS Corporation
Michael F. Dolan, Esq., Jones Day
William Clarke, Robert & Stevens, P.A.

Mills Gap Groundwater Contamination Site

Monthly Progress Report

Reporting Period: June 2008

CERCLA Docket No. CER-04-2004-3755

This monthly report has been prepared in accordance with requirements specified in the Scope of Work (SOW) contained in the Administrative Order on Consent (AOC) for Removal Action issued by the USEPA.

1) Significant developments during the preceding period:

- On June 23, 2008, MACTEC submitted the May 2008 monthly progress report to USEPA.
- Operational and maintenance activities were performed and an air sample was collected from the soil vapor extraction (SVE) system discharge on May 21, 2008. An estimated 186 pounds of volatile organic compounds (VOCs) were removed by the SVE system in May 2008.

2) Developments from the present reporting period:

- Operational and maintenance activities were performed and an air sample was collected from the SVE system discharge on June 23, 2008. The SVE system operated for approximately 229 hours during the month of June 2008. An estimated 96 pounds of VOCs were removed by the SVE system in June 2008. There is an overall decreasing concentration trend of VOCs since the system's initial operation, as anticipated. Analytical data from the SVE air discharge sampling received during the period includes:
 - SGS Environmental Services, Inc. Report G132-1914, dated July 9, 2008 (sample collected June 23, 2008).
- An estimated 3,423 pounds of VOCs have been removed by the SVE system since its initial operation on July 20, 2006.

3) Developments anticipated during the next reporting period:

- Monthly scheduled operational and maintenance activities will be performed for the SVE system.
- Monthly air sampling of the SVE system air discharge will be performed.



Susan Kelly
Mactec
1308C Patton Ave.
Asheville, NC 28806

Report Number: G132-1914

Client Project: Mills Gap

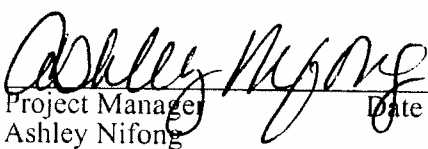
Dear Susan Kelly,

Enclosed are the results of the analytical services performed under the referenced project. The samples are certified to meet the requirements of the National Environmental Laboratory Accreditation Conference Standards. Copies of this report and supporting data will be retained in our files for a period of five years in the event they are required for future reference. Any samples submitted to our laboratory will be retained for a maximum of thirty (30) days from the date of this report unless other arrangements are requested.

If there are any questions about the report or the services performed during this project, please call SGS Environmental Services at (910) 350-1903. We will be happy to answer any questions or concerns which you may have.

Thank you for using SGS Environmental Services for your analytical services. We look forward to working with you again on any additional analytical needs which you may have.

Sincerely,
SGS Environmental Services, Inc.

 7/9/08
Project Manager Date
Ashley Nifong



List of Reporting Abbreviations and Data Qualifiers

B = Compound also detected in batch blank

BQL = Below Quantitation Limit (RL or MDL)

DF = Dilution Factor

Dup = Duplicate

D = Detected, but RPD is > 40% between results in dual column method.

E = Estimated concentration, exceeds calibration range.

J = Estimated concentration, below calibration range and above MDL

LCS(D) = Laboratory Control Spike (Duplicate)

MDL = Method Detection Limit

MS(D) = Matrix Spike (Duplicate)

PQL = Practical Quantitation Limit

RL/CL = Reporting Limit / Control Limit

RPD = Relative Percent Difference

mg/kg = milligram per kilogram, ppm, parts per million

ug/kg = micrograms per kilogram, ppb, parts per billion

mg/L = milligram per liter, ppm, parts per million

ug/L = micrograms per liter, ppb, parts per billion

% Rec = Percent Recovery

% solids = Percent Solids

Special Notes:

1) Metals and mercury samples are digested with a hot block, see the standard operating procedure document for details.

2) Uncertainty for all reported data is less than or equal to 30 percent.

**Results for Volatiles in Air**
by GC/MS

Client Sample ID: MG-32A 6-23-08 Front Half

Client Project ID: Mills Gap

Lab Sample ID: G132-1914-1A

Lab Project ID: G132-1914

Analyzed By: DES

Date Collected: 6/23/2008 15:30

Date Received: 6/25/2008

Matrix: Air


| Compound | Result mg/m3 | Quantitation Limit mg/m3 | Dilution Factor | Date Analyzed |
|---------------------------|-----------------|-----------------------------|--------------------|------------------|
| Benzene | BQL | 10.0000 | 10 | 7/8/2008 |
| Bromochloromethane | BQL | 10.0000 | 10 | 7/8/2008 |
| Bromodichloromethane | BQL | 10.0000 | 10 | 7/8/2008 |
| Bromoform | BQL | 10.0000 | 10 | 7/8/2008 |
| Carbon tetrachloride | BQL | 10.0000 | 10 | 7/8/2008 |
| Chlorobenzene | BQL | 10.0000 | 10 | 7/8/2008 |
| Chloroform | BQL | 10.0000 | 10 | 7/8/2008 |
| Dibromochloromethane | BQL | 10.0000 | 10 | 7/8/2008 |
| 1,2-Dibromoethane (EDB) | BQL | 10.0000 | 10 | 7/8/2008 |
| 1,2-Dichlorobenzene | BQL | 10.0000 | 10 | 7/8/2008 |
| 1,3-Dichlorobenzene | BQL | 10.0000 | 10 | 7/8/2008 |
| 1,4-Dichlorobenzene | BQL | 10.0000 | 10 | 7/8/2008 |
| 1,1-Dichloroethane | BQL | 10.0000 | 10 | 7/8/2008 |
| 1,1-Dichloroethene | BQL | 10.0000 | 10 | 7/8/2008 |
| 1,2-Dichloroethane | BQL | 10.0000 | 10 | 7/8/2008 |
| cis-1,2-Dichloroethene | BQL | 10.0000 | 10 | 7/8/2008 |
| trans-1,2-dichloroethene | BQL | 10.0000 | 10 | 7/8/2008 |
| 1,2-Dichloropropane | BQL | 10.0000 | 10 | 7/8/2008 |
| cis-1,3-Dichloropropene | BQL | 10.0000 | 10 | 7/8/2008 |
| trans-1,3-Dichloropropene | BQL | 10.0000 | 10 | 7/8/2008 |
| Diisopropyl ether | BQL | 10.0000 | 10 | 7/8/2008 |
| Ethylbenzene | BQL | 10.0000 | 10 | 7/8/2008 |
| Methyl-tert-butyl ether | BQL | 10.0000 | 10 | 7/8/2008 |
| Styrene | BQL | 10.0000 | 10 | 7/8/2008 |
| 1,1,2,2-Tetrachloroethane | BQL | 10.0000 | 10 | 7/8/2008 |
| Tetrachloroethene | BQL | 10.0000 | 10 | 7/8/2008 |
| Toluene | BQL | 10.0000 | 10 | 7/8/2008 |
| Trichloroethene | 264 | 10.0000 | 10 | 7/8/2008 |
| 1,1,1-Trichloroethane | BQL | 10.0000 | 10 | 7/8/2008 |
| 1,1,2-Trichloroethane | BQL | 10.0000 | 10 | 7/8/2008 |
| m-,p-Xylene | BQL | 20.0000 | 10 | 7/8/2008 |
| o-Xylene | BQL | 10.0000 | 10 | 7/8/2008 |

Comments:

Quantitation at 25°C and 1 atm.

Flags:

BQL = Below quantitation limit.

Reviewed By: 



Results for Volatiles in Air

by GC/MS

Client Sample ID: MG-32B 6-23-08 Back Half

Client Project ID: Mills Gap

Lab Sample ID: G132-1914-2A

Lab Project ID: G132-1914

Analyzed By: DES

Date Collected: 6/23/2008 15:30

Date Received: 6/25/2008

Matrix: Air

| Compound | Result mg/m3 | Quantitation Limit mg/m3 | Dilution Factor | Date Analyzed |
|---------------------------|-----------------|-----------------------------|--------------------|------------------|
| Benzene | BQL | 0.4000 | 1 | 7/8/2008 |
| Bromochloromethane | BQL | 0.4000 | 1 | 7/8/2008 |
| Bromodichloromethane | BQL | 0.4000 | 1 | 7/8/2008 |
| Bromoform | BQL | 0.4000 | 1 | 7/8/2008 |
| Carbon tetrachloride | BQL | 0.4000 | 1 | 7/8/2008 |
| Chlorobenzene | BQL | 0.4000 | 1 | 7/8/2008 |
| Chloroform | BQL | 0.4000 | 1 | 7/8/2008 |
| Dibromochloromethane | BQL | 0.4000 | 1 | 7/8/2008 |
| 1,2-Dibromoethane (EDB) | BQL | 0.4000 | 1 | 7/8/2008 |
| 1,2-Dichlorobenzene | BQL | 0.4000 | 1 | 7/8/2008 |
| 1,3-Dichlorobenzene | BQL | 0.4000 | 1 | 7/8/2008 |
| 1,4-Dichlorobenzene | BQL | 0.4000 | 1 | 7/8/2008 |
| 1,1-Dichloroethane | BQL | 0.4000 | 1 | 7/8/2008 |
| 1,1-Dichloroethene | BQL | 0.4000 | 1 | 7/8/2008 |
| 1,2-Dichloroethane | BQL | 0.4000 | 1 | 7/8/2008 |
| cis-1,2-Dichloroethene | BQL | 0.4000 | 1 | 7/8/2008 |
| trans-1,2-dichloroethene | BQL | 0.4000 | 1 | 7/8/2008 |
| 1,2-Dichloropropane | BQL | 0.4000 | 1 | 7/8/2008 |
| cis-1,3-Dichloropropene | BQL | 0.4000 | 1 | 7/8/2008 |
| trans-1,3-Dichloropropene | BQL | 0.4000 | 1 | 7/8/2008 |
| Diisopropyl ether | BQL | 0.4000 | 1 | 7/8/2008 |
| Ethylbenzene | BQL | 0.4000 | 1 | 7/8/2008 |
| Methyl-tert-butyl ether | BQL | 0.4000 | 1 | 7/8/2008 |
| Styrene | BQL | 0.4000 | 1 | 7/8/2008 |
| 1,1,2,2-Tetrachloroethane | BQL | 0.4000 | 1 | 7/8/2008 |
| Tetrachloroethene | BQL | 0.4000 | 1 | 7/8/2008 |
| Toluene | BQL | 0.4000 | 1 | 7/8/2008 |
| Trichloroethene | BQL | 0.4000 | 1 | 7/8/2008 |
| 1,1,1-Trichloroethane | BQL | 0.4000 | 1 | 7/8/2008 |
| 1,1,2-Trichloroethane | BQL | 0.4000 | 1 | 7/8/2008 |
| m-,p-Xylene | BQL | 0.8000 | 1 | 7/8/2008 |
| o-Xylene | BQL | 0.4000 | 1 | 7/8/2008 |

Comments:

Quantitation at 25°C and 1 atm.

Flags:

BQL = Below quantitation limit.

Reviewed By: 

**Results for Total Petroleum Hydrocarbons**
by GC/FID 8015

Client Sample ID: MG-32A (and B) 6/23/08

Client Project ID: Mills Gap

Lab Sample ID: G132-1914-3 and -4

Lab Project ID: G132-1914

Analyzed By: EAW

Date Collected: 6/23/2008 15:43

Date Received: 6/25/2008

Matrix: Air

| Analyte | Result mg/m ³ | RL mg/m ³ | Prep Method | Dilution Factor | Date Analyzed |
|---|-----------------------------|-------------------------|----------------|--------------------|------------------|
| Initial Tube: Diesel Range Organics | 26.2 | 10 | MM18 | 1 | 06/28/08 |
| Analyte | Result mg/m ³ | RL mg/m ³ | Prep Method | Dilution Factor | Date Analyzed |
| Breakthrough tube: Diesel Range Organics | BQL | 4 | MM18 | 1 | 06/28/08 |

Comments:

Flags:



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SGS Environmental Services Inc.

Locations Nationwide
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• New Jersey
• West Virginia
• Hawaii
• Maryland
• North Carolina
www.sgs.com

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SGS ENVIRONMENTAL SERVICES, INC.

1 CLIENT: WALTER
CONTACT: SUSAN KELLY PHONE NO: 818 252 8130
PROJECT: MILLS GAP SITE/PWSID#: _____
REPORTS TO: 1308 Patton Ave E-MAIL: sekelly@walter.com
Asheville NC 28806 FAX NO: () _____
INVOICE TO: _____ QUOTE # _____
P.O. NUMBER 200801748

SGS Reference: G132-1914 PAGE 1 OF 1

| No | SAMPLE TYPE | C= COMP G= GRAB | Containers | Preservatives Used | Analysis Required | REMARKS |
|----|-------------|--------------------|------------|--------------------|-------------------|---------|
| 1 | air | G | 1 | X | X | |
| 1 | air | G | 1 | X | X | |
| 1 | air | G | 1 | X | X | |
| 1 | air | G | 1 | X | X | |

3
VOCs 8260
DRO 8015

| LAB NO. | SAMPLE IDENTIFICATION | DATE | TIME | MATRIX |
|---------|-----------------------|---------|------|--------|
| | MG-32A 6-23-08 | 6/23/08 | 1530 | air |
| | MG-32B 6-23-08 | 6/23/08 | 1530 | air |
| | MG-32A 6-23-08 | 6/23/08 | 1543 | air |
| | MG-32B 6-23-08 | 6/23/08 | 1543 | air |

4 Shipping Carrier: Ped Ex Samples Received Cold? (Circle) YES (NO) NO
Shipping Ticket No: 8600 4554 0230 Temperature (C): ambient
Special Deliverable Requirements: Chain of Custody Seal: (Circle) INTACT BROKEN ABSENT
Special Instructions: Assume 10 liters of air
A=initial tube B=break through tube
Requested Turnaround Time: _____
☐ RUSH ☒ STD Date Needed: _____

5 Collected/Relinquished By: (1) [Signature] Date 6/24/08 Time 1200
Relinquished By: (2) [Signature] Date _____ Time _____
Relinquished By: (3) _____ Date _____ Time _____
Relinquished By: (4) _____ Date _____ Time _____