# QUARTERLY AIR QUALITY MONITORING REPORT FOR THE HEWITT PIT LANDFILL

**Second Quarter**
**April - June 2004**

***Submitted to***

**SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT**
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**PROJECT NUMBER 1003-8**
**August 2004**

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# SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT (SCAQMD) 1150.1 QUARTERLY MONITORING REPORT FOR THE HEWITT PIT LANDFILL SECOND QUARTER 2004

*Prepared for:*
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Project 1003-8


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# AIR QUALITY MONITORING REPORT

*for the*

## HEWITT PIT LANDFILL

**Project Number 1003-8**
**April - June 2004**

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# 1.0 INTRODUCTION

This Quarterly Air Quality Monitoring Report has been prepared for the Hewitt Pit Landfill in accordance with conditions set forth in the approved Rule 1150.1 Compliance Plan issued by the South Coast Air Quality Management District (SCAQMD) on December 17, 1999. The highest methane level recorded for the period was 6.2% at Probe 9 on April 14, 2004 found near the transition to the northern dogleg on **Figure 1**. One additional probe, 11B, had a methane level of 4.2% on the same day. It should be noted that the system vacuum was approximately –8" water column (w.c.) during the time of monitoring and there is nominally –12" w.c. vacuum on the system. Except for these two instances, all probes were non-detect for methane during the quarter.

Methane emissions from landfill Grids 23 and 24 (**Figure 2**) exceeded 1000 parts per million volume (ppmv) during the Instantaneous Surface Monitoring (ISM) performed on June 24, 2004. After repairs to that area were made, the Grids were remeasured and the reading for both grids was 50 ppmv. This level is well under the 500 ppmv allowable limit. All grids were below 50 ppmv during the Integrated Surface Sampling (ISS) conducted on June 24, 2004.

The Rule 1150.1 Plan monitoring requirements, schedule and results are summarized on the following table.

**SUMMARY OF REQUIRED MONITORING, SCHEDULE AND RESULTS**

| Required Monitoring | Schedule | Results |
|---|---|---|
| TOCs in subsurface refuse boundary sampling probes (probes) to be less than 5%. | Monthly (minimum) | There was one exceedance measured during this quarter. (6.5% at Probe 9 on 4/14/2004). Probe monitoring data is attached to this report as **Attachment 1**. Monitoring was performed weekly for most of this quarter. |
| Integrated surface sampling to be less than 50 ppmv as TOCs. | Annually<br>2nd Quarterly Report | Results shown as **Attachment 2.** All grids passed. Laboratory results shown as **Attachment 3.** |
| Instantaneous surface monitoring to be less than 500 ppmv as TOCs. | Annually<br>2nd Quarterly Report | Results shown as **Attachment 4.** |
| TACs in probes. | Annually<br>2nd Quarterly Report | Results shown as **Attachment 5.** |
| TOCs and TACs in the main gas collection header. | Annually<br>3rd Quarterly Report | Not required for this event. |
| Flare source test and 98% destruction of NMOCs. | Annually<br>3rd Quarterly Report | Not required for this event. |

This report includes compilation and documentation of the results of the monitoring events for the second quarter of 2004, preparation of surface emissions monitoring maps, field data review and analysis, and technical and quality assurance review of the data and maps.


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# 2.0 MONITORING PROCEDURES

## 2.1 Gas Migration Monitoring

Gas migration monitoring consists of monitoring probes located at the landfill perimeter as shown on **Figure 1**. At a minimum, probes were monitored for percent methane and percent oxygen and pressure using a LandTec GEM-500.

**Equipment Description**

The GEM-500 was specifically designed for use on landfills to monitor landfill gas migration control systems, gas collection systems, flares, and migration probes.

GEM-500 specifications are as follows:

| | Sensor Range | Resolution |
|---|---|---|
| Methane | 0 to 100% | 0.1 |
| Carbon dioxide | 0 to 75% | 0.1 |
| Oxygen | 0 to 100% | 0.1 |

Typical accuracy of GEM-500 at 5% methane concentration is +0.3% methane by volume and +1.9% methane by volume at 75% methane concentration.

**Probe Monitoring Procedures**

The GEM-500 was calibrated prior to monitoring. The pressure transducers of the GEM-500 were reset to zero prior to attaching the unit to a monitoring probe.

Prior to testing of the perimeter gas migration monitoring probes, the probes were evacuated of at least two probe casing volumes of gas. The GEM-500 was attached to the probe to measure percent methane and percent oxygen.

The results, including the date, probe number, gas component concentrations for each probe are summarized in **Attachment 1**. A conversion table reconciling probe locations with a data software storage program is also shown in **Attachment 1**. Toxic Air Contaminants (TACs) were also analyzed for probe 39 (shown as probe 75M in table and P75 on chain-of-custody and lab results). Methane in probe 39 was only 2 ppmv when sampled for TACs. The results are included as **Attachment 5**.

## 2.2 Integrated Landfill Surface Sampling

Integrated surface sampling (ISS) was conducted in each of the 52 monitoring grids of the landfill (**Figure 2**). Each grid is approximately 50,000 square feet in area. ISS was conducted to identify locations where averaged surface emissions exceed 50 ppmv.


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**Equipment Description**

Sampling was performed using a 10-liter Tedlar bag with shut off valve enclosed in a light-sealed container.

The Tedlar bag was connected to a portable, self-contained, battery operated integrated surface sampler. The sampler consists of a diaphragm pump with a viton diaphragm. The sampler is equipped with a rotameter to measure airflow and is set at 333 cubic centimeters per second. All tubing in the sampler consists of 316 ss or teflon.

**Integrated Surface Sampling Procedure**

ISS was conducted when the landfill was dry and average wind speed was 5 mph or less, and the instantaneous wind speed was 10 mph or less. Average wind speed was determined using a portable weather station with recorder. The monitoring results are shown in **Attachment 2** along with a copy of the wind data.

During the sampling, the probe tip was maintained between 1 to 3 inches above the landfill surface. The sample was collected over a 2600 linear-foot walking pattern within the grid. The sampling was performed over a continuous 25 minute period. The TOC was measured for each sample using an OVA (Organic Vapor Analyzer). Because no samples had more than 50 ppmv, only two samples were submitted to a laboratory for analysis. The analysis included SCAQMD 1150.1 Table 1 toxic air contaminants (TAC), percent methane, and total non-methane organic compounds. Chain of custody records were kept for each sample. Total methane and non-methane organic compounds in both samples were less than 3 ppmv. Lab results for Grids 22 and 23 are included as **Attachment 3.**

## 2.3 Instantaneous Landfill Surface Monitoring

Instantaneous surface monitoring (ISM) was conducted over the entire disposal area that was accessible. ISM was conducted to identify locations where excessive landfill gas emissions are occurring.

Landfill gas emissions were measured approximately 1 to 3 inches above the landfill surface and tested for total organic compounds (TOC) as methane. Emissions were monitored while a pattern was walked over the entire disposal area.

ISM was conducted when the landfill was dry, when the average wind speed was less than 5 miles per hour, and the instantaneous wind speed was less than 10 miles per hour. Average wind speed was determined using a portable weather station with recorder and is included with the ISM monitoring logs in **Attachment 4**.


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## Equipment Detailed Description

A Foxboro Century 128 Organic Vapor Analyzer (OVA) portable flame ionization detector (FID) was used to instantaneously measure the concentration of total organic compounds (TOC) 1 to 3 inches above the landfill surface.

The equipment specifications are as follows:

| | | |
|---|---|---|
| Range: | | 0 to 1,000 ppmv |
| Minimum detectable limit | : | 1 ppmv |
| Sensitivity | : | 0.1 ppmv methane |
| Response time | : | Less than 2 seconds |
| Flame out indicator | : | Audible alarm plus visual meter |
| Accuracy | : | ± 5% of individual scale |
| Operating temperature | : | 10 to 40 deg. Centigrade |

## Operating Procedures

The Foxboro Century Organic Vapor Analyzer 128 (OVA) was activated and calibrated using 50 and 500 parts per million volume (ppmv) methane standards and also field checked at the site with the 500 ppmv standard before monitoring. The instrument number was recorded on the data forms, and calibration was documented in the Instrument Calibration Log (**Attachment 2**).

The prescribed pattern was walked while maintaining the probe inlet approximately 1 to 3 inches above the landfill surface at a speed of 1 to 2 feet per second. The concentration of TOC as methane in ppmv was observed nominally every 100 feet, at unusual readings, cap failure or fissures, and noted whenever a reading exceeded 500 ppmv. This is shown on **Figure 2**. Readings exceeding 500 ppmv were also recorded on a field form. Wind speed and direction were monitored continuously using an anemometer (**Attachment 4**). In the event of an instrument reading of 500 ppmv or greater, or where the signs of cap failure existed, the area was flagged and the landfill operations manager notified. Cap failure consisted of cracks in the asphalt parking areas. The cracks were repaired using a combination of compacting dirt inside the cracks and sealing the cracks with a grout/tar mixture. After repair and setting of the tar, the measurement was repeated. The final reading was recorded at the completion of the cap repair.


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# 3.0 RESULTS

## 3.1 Gas Migration Monitoring Results

The perimeter gas monitoring probe locations were monitored at least monthly for percent methane, percent oxygen, and pressure. There was one exceedance of 5% methane during probe monitoring for this quarter. The highest detected methane reading on April 14, 2004 was at monitoring Probe 9 (Datafield Probe ID #16M, see **Attachment 1**) during April 14, 2004 when the indicated methane concentration was 6.5 percent. Probe 11B (ID #19M) had a methane concentration of 4.2 percent the same day. Both probes showed non-detect for methane during all other monitoring events. At no time was methane detected in any probe during the second quarter except on April 14, 2004.

Complete results of the gas probe monitoring are included in **Attachment 1.** A TAC analysis for Probe 39 (ID# P75) is included as **Attachment 5.**

## 3.2 Integrated Surface Sampling Results

Integrated surface sampling (ISS) was performed over the entire surface of the landfill on June 24, 2004. The results are summarized as follows:

| DATE | GRIDS | ISS TOC MEASURED RANGE (PPMV) |
|---|---|---|
| June 24, 2004 | 1-22 | 2-4 |
| June 24, 2004 | 23-24 | 3-4 |
| June 24, 2004 | 25-52 | 2-5 |

**Figure 2** shows the grid pattern used for the testing. Portions of Grids 23 and 24 were initially measured over 1000 ppmv during the ISM. The Grids were repaired, retested and remeasured at 50 ppmv before the ISS was performed. Purged Tedlar bags were used for the ISS. Monitoring results, OVA calibration logs, and wind speed records are included in **Attachment 2.**

Integrated surface samples were collected in Tedlar bags from Grid 23 and Grid 24 on June 24, 2004. The samples were sent to AtmAA, Inc. Laboratory for analysis of methane, total gaseous non-methane organics (TGNMO), and the SCAQMD Table 1 list of toxic air contaminants. The laboratory analytical procedures meet SCAQMD requirements and analysis was performed within the maximum holding time allowed.

The OVA calibration forms, quality assurance summary, laboratory results and the chain of custody record are included in **Attachment 3.**


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## 3.3 Instantaneous Landfill Surface Monitoring Results

Instantaneous surface monitoring (ISM) was also conducted on June 24, 2004. Instantaneous surface monitoring grids are shown on **Figure 2.**

There were two locations with measured TOC concentration readings above 1000 ppmv during the June 24, 2004 monitoring. Portions of Grids 23 and 24 were initially measured over 1000 ppmv. Those locations were in an asphalt parking lot. The cracked asphalt was repaired using compacted dirt and sealed with a grout/tar mixture. After repair, the cracks were remeasured on June 24, 2004 at 50 ppmv, well under the 500 ppmv regulatory limit. ISM data for this event is shown in **Attachment 4.**

Rule 1150.1 states that the average wind speed may not exceed 5 miles per hour (mph) during a 15-minute period and instantaneous wind speed cannot exceed 10 mph at any time during monitoring. The measured wind speeds throughout the monitoring event ranged from 0 to 5 miles per hour, which are within the Rule's acceptable standards.


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## 4.0 LIMITATIONS

This report may be used only by the client and SCAQMD, and only for the purposes stated, within a reasonable time from its issuance. Land use, site conditions (both on site and off site) or other factors may change over time, and additional work may be required with the passage of time. Any party other than the client who wishes to use this report shall notify GC Environmental, Inc. of such intended use. Non-compliance with any of these requirements by the client or anyone else will release GC Environmental, Inc. from any liability resulting from the use of this report by any unauthorized party.


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# FIGURES


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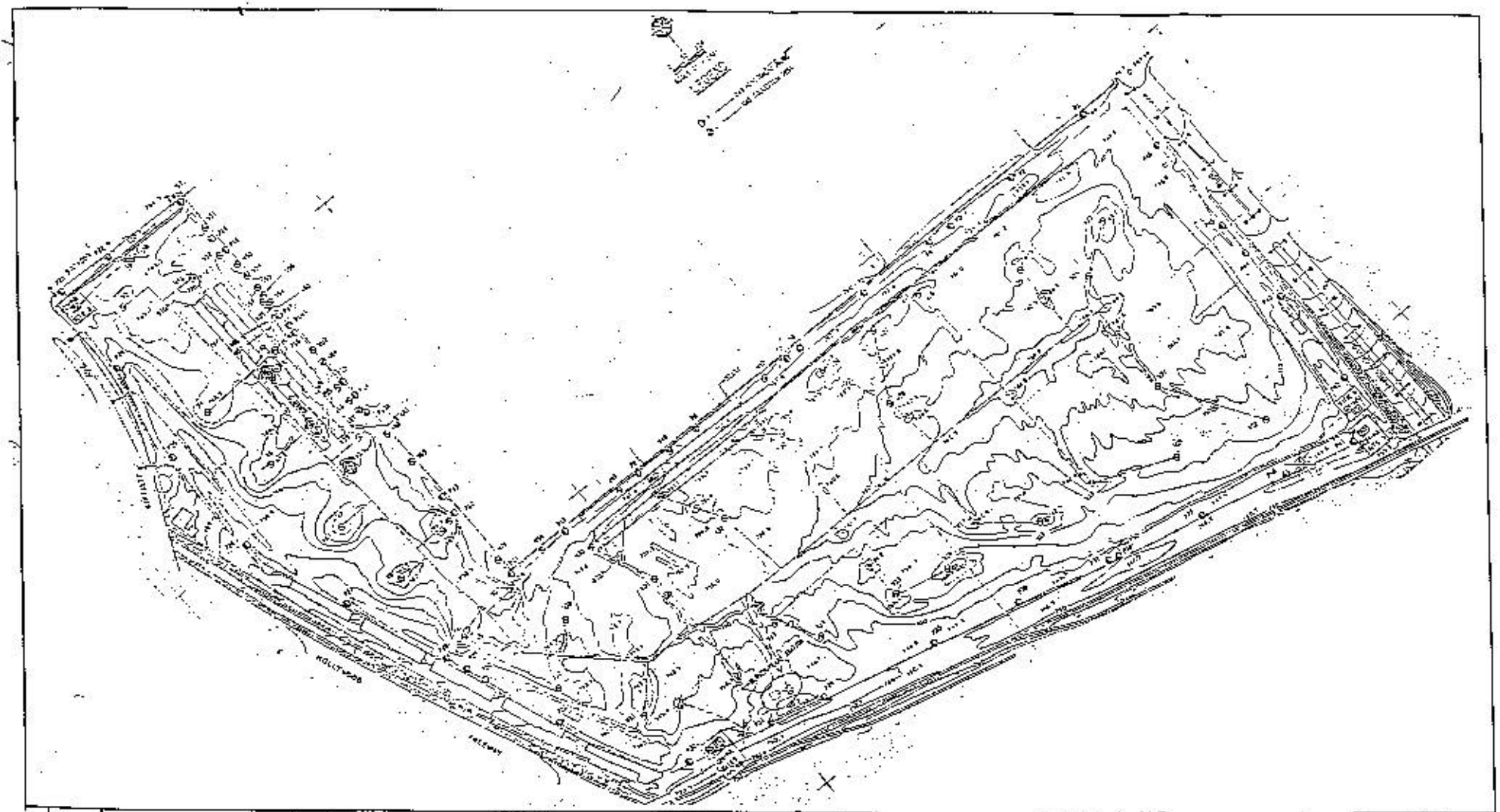



| REV. | DATE | DESCRIPTION | BY |
|---|---|---|---|
| | | | |

ENGINEER: GC ENVIRONMENTAL, INC.
1533 NORTH JEFFERSON ST. SUITE J
ANAHEIM CA. 92807. (714) 632-9160

PROJECT LOCATION: HEWITT PIT LANDFILL
N. HOLLYWOOD, CA.

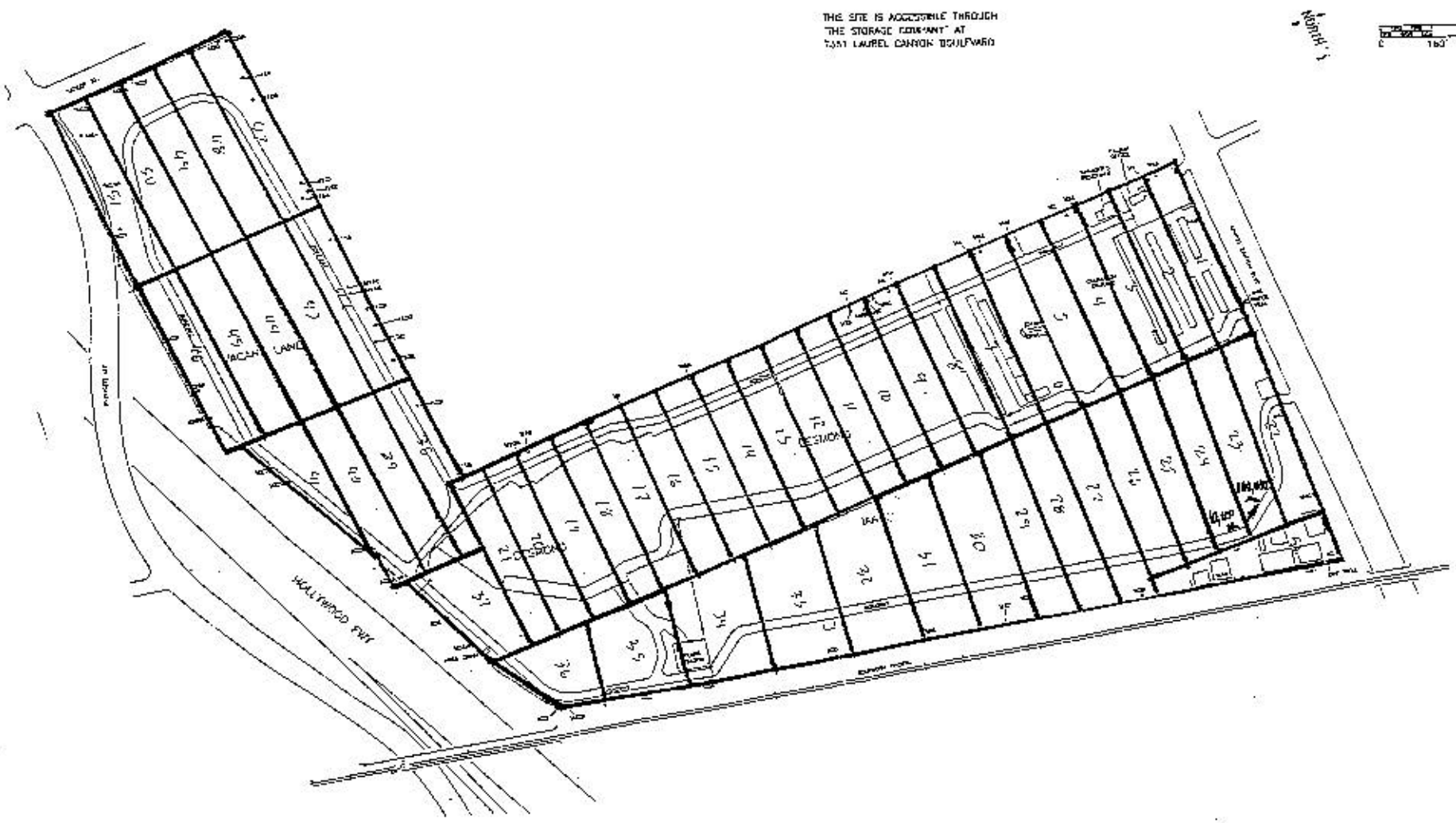
DESCRIPTION: GAS MONITORING PROBE LOCATIONS

PROJECT NO. 1062-1 | REV. DWGS. | FILE NAME

SHEET: FIG. 1

NOTE:

THE SITE IS ACCESSIBLE THROUGH "THE STORAGE COMPANY" AT 7351 LAUREL CANYON BOULEVARD




| REV. | DATE | DESCRIPTION | BY |
|---|---|---|---|
| | | | |

CLIENT:
CALMAT - VULCAN MATERIALS DIVISION
1601 E. UNIVERSITY DRIVE
PHOENIX, AZ 85034

PROJECT LOCATION:
HEWITT PIT LANDFILL
7361 LAUREL CANYON BLVD.
NORTH HOLLYWOOD, CA

U.S. ENVIRONMENTAL, INC.
1550 N. JEFFERSON
SUITE 2
ANAHEIM, CA 92807

DESCRIPTION:
ISS AND ISM MONITORING GRID PATTERN

REF. DWGS.
NONE

PROJECT NO.
1003-E

FILE NAME

SHEET:
FIG-2

# Attachment 1

## GAS MONITORING

## PROBE DATA

## April 2004 to June 2004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# HEWITT PIT LANDFILL

## PROBE ID# CROSS REFERENCE LIST

| Datafield Software Probe ID# | Hewitt Pit Monitoring Probe ID# | Datafield Software Probe ID# | Hewitt Pit Monitoring Probe ID# |
|---|---|---|---|
| 01M | 1 | 42M | 6C' |
| 02M | 1A | 43M | 7B' |
| 03M | 2 | 44M | 7C' |
| 04M | 2A | 45M | 18B |
| 05M | 3B | 46M | 8B |
| 06M | 4 | 47M | 8C' |
| 07M | 4A | 48M | 19 |
| 08M | 5 | 49M | 20 |
| 09M | 5A | 50M | 20A |
| 10M | 6B | 51M | 22 |
| 11M | 6C | 52M | 22A |
| 12M | 6D | 53M | 23 |
| 13M | 7 | 54M | 24 |
| 14M | 7A | 55M | 24A |
| 15M | 8A | 56M | 25 |
| 16M | 9 | 57M | 25A |
| 17M | 10 | 58M | 26 |
| 18M | 10A | 59M | 26A |
| 19M | 11B | 60M | 26B |
| 20M | 12B | 61M | 27 |
| 21M | 13B | 62M | 27A |
| 22M | 13D | 63M | 28 |
| 23M | 13C | 64M | 30A |
| 24M | 1B' | 65M | 31 |
| 25M | 1C' | 66M | 31A |
| 26M | 13X | 67M | 32 |
| 27M | 14B | 68M | 32A |
| 28M | 14C | 69M | 33 |
| 29M | 2B' | 70M | 34 |
| 30M | 2C' | 71M | 35 |
| 31M | 15A | 72M | 36B |
| 32M | 3B' | 73M | 37 |
| 33M | 3C' | 74M | 38 |
| 34M | 4B' | 75M | 39 |
| 35M | 4C' | 76M | 40 |
| 36M | 16A | 77M | 41 |
| 37M | 5B' | 78M | 42 |
| 38M | 5C' | 79M | 43 |
| 39M | 16X | 80M | 45 |
| 40M | 17A | 81M | 46 |
| 41M | 6A' | | |


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JUL 26 2004

# Hewitt Pit Probe Data - 04/1/2004 through 06/30/2004

**Field Technician and Weather Conditions**

| Technician | Date | Ambient Temp | Barometric Pressure (in - Hg) | General Weather | Wind Speed | Wind Direction |
|---|---|---|---|---|---|---|
| JOSE A | 04/01/2004 | 72 | 2999.0 | Mostly Clear | | |
| Jose A | 04/01/2004 | 72 | 29.9 | Mostly Clear | Light Wind | NE |
| jose a | 04/06/2004 | 70 | 2994.0 | Mostly Clear | | |
| jose a | 04/14/2004 | 68 | 2998.0 | Mostly Clear | | |
| jose a | 04/15/2004 | 88 | 2996.0 | Mostly Clear | | |
| jose a | 04/20/2004 | 76 | 2996.0 | Mostly Clear | | |
| jose a | 04/27/2004 | 90 | 2998.0 | Mostly Clear | | |
| ernesto m | 05/04/2004 | 88 | 2996.0 | Mostly Clear | | |
| jose a | 05/04/2004 | 88 | 2994.0 | Mostly Clear | | |
| ernesto m | 05/11/2004 | 88 | 2992.0 | Mostly Clear | | |
| ernesto m | 05/11/2004 | 88 | 2996.0 | Mostly Clear | | |
| jose a | 05/11/2004 | 88 | 2992.0 | Mostly Clear | | |
| jose a | 05/18/2004 | 82 | 2996.0 | Mostly Clear | | |
| Ernesto M | 05/25/2004 | 78 | 2996.0 | Mostly Clear | | |
| ernesto m. | 06/02/2004 | 74 | 2999.0 | Mostly Clear | | |
| ernesto m. | 06/08/2004 | 76 | 2998.0 | Mostly Clear | | |
| ernesto m | 06/15/2004 | 90 | 2996.0 | Mostly Clear | | |
| ernesto m | 06/22/2004 | 88 | 2996.0 | Mostly Clear | | |
| ernesto m | 06/29/2004 | 88 | 2996.0 | Mostly Clear | | |

| Name | Date | Time | Methane (% by vol) | Carbon Dioxide (% by vol) | Oxygen (% by vol) | Balance Gas (% by vol) | Static Press (Inch H2O) | Comments |
|---|---|---|---|---|---|---|---|---|
| 01M | 04/01/2004 | 08:12 | 0.0 | 1.9 | 18.2 | 79.9 | 0.0 | |
| 01M | 04/06/2004 | 09:13 | 0.0 | 1.9 | 19.2 | 78.9 | 0.0 | |
| 01M | 04/14/2004 | 15:30 | 0.0 | 1.8 | 18.8 | 79.4 | 0.0 | |
| 01M | 04/20/2004 | 08:43 | 0.0 | 1.7 | 19.0 | 79.3 | 0.0 | |
| 01M | 04/27/2004 | 08:18 | 0.0 | 2.2 | 17.9 | 79.9 | 0.0 | |
| 01M | 05/04/2004 | 09:43 | 0.0 | 2.3 | 18.3 | 79.4 | 0.0 | |
| 01M | 05/11/2004 | 09:59 | 0.0 | 2.7 | 17.3 | 80.0 | 0.0 | |
| 01M | 05/18/2004 | 09:32 | 0.0 | 2.1 | 17.4 | 80.5 | 0.0 | |
| 01M | 05/25/2004 | 09:23 | 0.0 | 2.9 | 16.7 | 80.4 | 0.0 | |
| 01M | 06/02/2004 | 09:15 | 0.0 | 3.4 | 15.9 | 80.7 | 0.0 | |
| 01M | 06/08/2004 | 14:00 | 0.0 | 3.2 | 16.8 | 80.0 | 0.0 | |
| 01M | 06/15/2004 | 14:10 | 0.0 | 3.1 | 16.8 | 80.1 | 0.0 | |
| 01M | 06/22/2004 | 09:33 | 0.0 | 2.9 | 17.3 | 79.8 | 0.0 | |
| 01M | 06/29/2004 | 08:57 | 0.0 | 2.5 | 17.6 | 79.9 | 0.0 | |
| 02M | 04/01/2004 | 08:13 | 0.0 | 0.6 | 19.8 | 79.6 | 0.0 | |
| 02M | 04/06/2004 | 09:14 | 0.0 | 0.0 | 20.8 | 79.2 | 0.0 | |
| 02M | 04/14/2004 | 15:31 | 0.0 | 2.8 | 17.4 | 79.8 | 0.0 | |
| 02M | 04/20/2004 | 08:44 | 0.0 | 0.0 | 20.5 | 79.5 | 0.0 | |
| [illegible] | [illegible] | [illegible] | 0.0 | 0.0 | 20.5 | 79.5 | 0.0 | |

# Hewitt Pit Probe Data - 04/1/2004 through 06/30/2004

| Name | Date | Time | Methane (% by vol) | Carbon Dioxide (% by vol) | Oxygen (% by vol) | Balance Gas (% by vol) | Static Press (Inch H2O) | Comments |
|---|---|---|---|---|---|---|---|---|
| 02M | 05/04/2004 | 09:44 | 0.0 | 0.0 | 21.5 | 78.5 | 0.0 | |
| 02M | 05/11/2004 | 10:00 | 0.0 | 0.0 | 20.2 | 79.8 | 0.0 | |
| 02M | 05/18/2004 | 09:32 | 0.0 | 0.0 | 19.8 | 80.2 | 0.0 | |
| 02M | 05/25/2004 | 09:25 | 0.0 | 0.1 | 20.0 | 79.9 | 0.0 | |
| 02M | 06/02/2004 | 09:17 | 0.0 | 1.0 | 18.1 | 80.9 | 0.0 | |
| 02M | 06/08/2004 | 14:01 | 0.0 | 0.0 | 20.3 | 79.7 | 0.0 | |
| 02M | 06/15/2004 | 14:08 | 0.0 | 3.1 | 16.4 | 80.5 | 0.0 | |
| 02M | 06/22/2004 | 09:34 | 0.0 | 0.0 | 20.1 | 79.9 | 0.0 | |
| 02M | 06/29/2004 | 08:58 | 0.0 | 0.1 | 19.7 | 80.2 | 0.0 | |
| 03M | 04/06/2004 | 09:22 | 0.0 | 0.2 | 20.7 | 79.1 | 0.0 | |
| 03M | 04/14/2004 | 15:33 | 0.0 | 0.1 | 20.5 | 79.4 | 0.0 | |
| 03M | 04/20/2004 | 08:58 | 0.0 | 0.0 | 20.6 | 79.4 | 0.0 | |
| 03M | 04/27/2004 | 08:20 | 0.0 | 0.0 | 20.5 | 79.5 | 0.0 | |
| 03M | 05/04/2004 | 09:47 | 0.0 | 0.2 | 21.3 | 78.5 | 0.0 | |
| 03M | 05/11/2004 | 10:03 | 0.0 | 0.4 | 20.6 | 79.0 | 0.0 | |
| 03M | 05/18/2004 | 09:35 | 0.0 | 0.0 | 19.9 | 80.1 | 0.0 | |
| 03M | 05/25/2004 | 09:28 | 0.0 | 0.3 | 19.8 | 79.9 | 0.0 | |
| 03M | 06/02/2004 | 09:20 | 0.0 | 1.1 | 18.5 | 80.4 | 0.0 | |
| 03M | 06/08/2004 | 14:03 | 0.0 | 0.3 | 20.2 | 79.5 | 0.0 | |
| 03M | 06/15/2004 | 14:12 | 0.0 | 0.6 | 18.9 | 80.5 | 0.0 | |
| 03M | 06/22/2004 | 09:36 | 0.0 | 0.1 | 20.2 | 79.7 | 0.0 | |
| 03M | 06/29/2004 | 09:00 | 0.0 | 0.1 | 19.9 | 80.0 | 0.0 | |
| 04M | 04/01/2004 | 08:21 | 0.0 | 0.5 | 19.7 | 79.8 | 0.0 | |
| 04M | 04/06/2004 | 09:23 | 0.0 | 0.1 | 20.8 | 79.1 | 0.0 | |
| 04M | 04/14/2004 | 15:33 | 0.0 | 0.1 | 20.7 | 79.2 | 0.0 | |
| 04M | 04/20/2004 | 08:58 | 0.0 | 0.0 | 20.6 | 79.4 | 0.0 | |
| 04M | 04/27/2004 | 08:21 | 0.0 | 0.2 | 20.4 | 79.4 | 0.0 | |
| 04M | 05/04/2004 | 09:49 | 0.0 | 1.8 | 19.1 | 79.1 | 0.0 | |
| 04M | 05/11/2004 | 10:06 | 0.0 | 1.1 | 19.6 | 79.3 | 0.0 | |
| 04M | 05/18/2004 | 09:36 | 0.0 | 0.1 | 19.9 | 80.0 | 0.0 | |
| 04M | 05/25/2004 | 09:29 | 0.0 | 0.9 | 19.0 | 80.1 | 0.0 | |
| 04M | 06/02/2004 | 09:21 | 0.0 | 0.2 | 19.8 | 80.0 | 0.0 | |
| 04M | 06/08/2004 | 14:04 | 0.0 | 0.8 | 19.5 | 79.7 | 0.0 | |
| 04M | 06/15/2004 | 14:13 | 0.0 | 0.9 | 18.4 | 80.7 | 0.0 | |
| 04M | 06/22/2004 | 09:38 | 0.0 | 0.9 | 19.0 | 80.1 | 0.0 | |
| 04M | 06/29/2004 | 09:01 | 0.0 | 0.2 | 19.9 | 79.9 | 0.0 | |
| 05M | 04/01/2004 | 08:23 | 0.0 | 0.4 | 20.4 | 79.2 | 0.0 | |
| 05M | 04/06/2004 | 09:25 | 0.0 | 0.2 | 20.7 | 79.1 | 0.0 | |
| 05M | 04/14/2004 | 15:36 | 0.0 | 0.8 | 19.5 | 79.7 | 0.0 | |
| 05M | 04/20/2004 | 09:00 | 0.0 | 0.3 | 20.4 | 79.3 | 0.0 | |
| 05M | 04/27/2004 | 08:23 | 0.0 | 1.7 | 18.1 | 80.2 | 0.0 | |
| [illegible] | [illegible] | [illegible] | 0.0 | 2.5 | 19.0 | 78.5 | 0.0 | |

# Hewitt Pit Probe Data - 04/1/2004 through 06/30/2004

| Name | Date | Time | Methane (% by vol) | Carbon Dioxide (% by vol) | Oxygen (% by vol) | Balance Gas (% by vol) | Static Press (Inch H2O) | Comments |
|---|---|---|---|---|---|---|---|---|
| 05M | 05/11/2004 | 10:09 | 0.0 | 0.1 | 20.7 | 79.2 | 0.0 | |
| 05M | 05/18/2004 | 09:38 | 0.0 | 0.0 | 19.7 | 80.3 | 0.0 | |
| 05M | 05/25/2004 | 09:32 | 0.0 | 2.1 | 17.9 | 80.0 | 0.0 | |
| 05M | 06/02/2004 | 09:24 | 0.0 | 2.8 | 17.0 | 80.2 | 0.0 | |
| 05M | 06/08/2004 | 14:06 | 0.0 | 1.4 | 18.6 | 80.0 | 0.0 | |
| 05M | 06/15/2004 | 14:15 | 0.0 | 5.6 | 14.0 | 80.4 | 0.0 | |
| 05M | 06/22/2004 | 09:40 | 0.0 | 0.1 | 20.1 | 79.8 | 0.0 | |
| 05M | 06/29/2004 | 09:03 | 0.0 | 0.1 | 20.0 | 79.9 | 0.0 | |
| 06M | 04/01/2004 | 08:25 | 0.0 | 0.6 | 19.3 | 80.1 | 0.0 | |
| 06M | 04/06/2004 | 09:26 | 0.0 | 0.1 | 20.8 | 79.1 | 0.0 | |
| 06M | 04/14/2004 | 15:37 | 0.0 | 0.0 | 20.8 | 79.2 | 0.0 | |
| 06M | 04/20/2004 | 09:02 | 0.0 | 0.0 | 20.6 | 79.4 | 0.0 | |
| 06M | 04/27/2004 | 08:24 | 0.0 | 0.3 | 20.1 | 79.6 | 0.0 | |
| 06M | 05/04/2004 | 09:54 | 0.0 | 0.9 | 20.3 | 78.8 | 0.0 | |
| 06M | 05/11/2004 | 10:14 | 0.0 | 0.0 | 21.0 | 79.0 | 0.0 | |
| 06M | 05/18/2004 | 09:40 | 0.0 | 0.0 | 19.7 | 80.3 | 0.0 | |
| 06M | 05/25/2004 | 09:33 | 0.0 | 0.7 | 19.3 | 80.0 | 0.0 | |
| 06M | 06/02/2004 | 09:26 | 0.0 | 3.2 | 16.6 | 80.2 | 0.0 | |
| 06M | 06/08/2004 | 14:07 | 0.0 | 0.9 | 19.2 | 79.9 | 0.0 | |
| 06M | 06/15/2004 | 14:28 | 0.0 | 0.0 | 19.9 | 80.1 | 0.0 | |
| 06M | 06/22/2004 | 09:41 | 0.0 | 0.7 | 19.3 | 80.0 | 0.0 | |
| 06M | 06/29/2004 | 09:05 | 0.0 | 0.5 | 19.6 | 79.9 | 0.0 | |
| 07M | 04/01/2004 | 08:26 | 0.0 | 0.5 | 19.8 | 79.7 | 0.0 | |
| 07M | 04/06/2004 | 09:26 | 0.0 | 0.0 | 20.8 | 79.2 | 0.0 | |
| 07M | 04/14/2004 | 15:37 | 0.0 | 1.1 | 19.5 | 79.4 | 0.0 | |
| 07M | 04/20/2004 | 09:02 | 0.0 | 0.0 | 20.7 | 79.3 | 0.0 | |
| 07M | 04/27/2004 | 08:26 | 0.0 | 0.0 | 20.7 | 79.3 | 0.0 | |
| 07M | 05/04/2004 | 09:56 | 0.0 | 0.2 | 21.4 | 78.4 | 0.0 | |
| 07M | 05/11/2004 | 10:15 | 0.0 | 2.3 | 18.5 | 79.2 | 0.0 | |
| 07M | 05/18/2004 | 09:42 | 0.0 | 0.0 | 19.7 | 80.3 | 0.0 | |
| 07M | 05/25/2004 | 09:35 | 0.0 | 0.8 | 19.2 | 80.0 | 0.0 | |
| 07M | 06/02/2004 | 09:27 | 0.0 | 3.2 | 15.8 | 81.0 | 0.0 | |
| 07M | 06/08/2004 | 14:08 | 0.0 | 1.0 | 19.0 | 80.0 | 0.0 | |
| 07M | 06/15/2004 | 14:28 | 0.0 | 0.0 | 20.1 | 79.9 | 0.0 | |
| 07M | 06/22/2004 | 09:42 | 0.0 | 0.4 | 19.6 | 80.0 | 0.0 | |
| 07M | 06/29/2004 | 09:06 | 0.0 | 0.7 | 19.3 | 80.0 | 0.0 | |
| 08M | 04/06/2004 | 09:28 | 0.0 | 0.0 | 20.9 | 79.1 | 0.0 | |
| 08M | 04/14/2004 | 15:39 | 0.0 | 5.8 | 14.2 | 80.0 | 0.0 | |
| 08M | 04/20/2004 | 09:04 | 0.0 | 0.0 | 20.7 | 79.3 | 0.0 | |
| 08M | 04/27/2004 | 08:28 | 0.0 | 0.0 | 20.6 | 79.4 | 0.0 | |
| 08M | 05/04/2004 | 09:57 | 0.0 | 0.0 | 21.8 | 78.2 | 0.0 | |
| 08M | 05/11/2004 | 10:27 | 0.0 | 0.0 | 21.0 | 79.0 | 0.0 | |

# Hewitt Pit Probe Data - 04/1/2004 through 06/30/2004

| Name | Date | Time | Methane (% by vol) | Carbon Dioxide (% by vol) | Oxygen (% by vol) | Balance Gas (% by vol) | Static Press (Inch H2O) | Comments |
|---|---|---|---|---|---|---|---|---|
| 08M | 05/18/2004 | 10:03 | 0.0 | 0.0 | 19.6 | 80.4 | 0.0 | |
| 08M | 05/25/2004 | 09:37 | 0.0 | 0.0 | 20.1 | 79.9 | 0.0 | |
| 08M | 06/02/2004 | 09:30 | 0.0 | 3.9 | 15.3 | 80.8 | 0.0 | |
| 08M | 06/08/2004 | 14:10 | 0.0 | 0.0 | 20.3 | 79.7 | 0.0 | |
| 08M | 06/15/2004 | 14:29 | 0.0 | 9.1 | 10.0 | 80.9 | 0.0 | |
| 08M | 06/22/2004 | 09:44 | 0.0 | 0.1 | 20.0 | 79.9 | 0.0 | |
| 08M | 06/29/2004 | 09:08 | 0.0 | 0.3 | 19.8 | 79.9 | 0.0 | |
| 09M | 04/01/2004 | 08:31 | 0.0 | 1.6 | 17.6 | 80.8 | 0.0 | |
| 09M | 04/06/2004 | 09:29 | 0.0 | 0.0 | 20.9 | 79.1 | 0.0 | |
| 09M | 04/14/2004 | 15:40 | 0.0 | 0.5 | 20.0 | 79.5 | 0.0 | |
| 09M | 04/20/2004 | 09:05 | 0.0 | 0.0 | 20.7 | 79.3 | 0.0 | |
| 09M | 04/27/2004 | 08:29 | 0.0 | 1.1 | 19.1 | 79.8 | 0.0 | |
| 09M | 05/04/2004 | 09:59 | 0.0 | 3.3 | 16.8 | 79.9 | 0.0 | |
| 09M | 05/11/2004 | 10:24 | 0.0 | 3.9 | 17.1 | 79.0 | 0.0 | |
| 09M | 05/18/2004 | 10:04 | 0.0 | 0.3 | 19.4 | 80.3 | 0.0 | |
| 09M | 05/25/2004 | 09:39 | 0.0 | 4.3 | 15.5 | 80.2 | 0.0 | |
| 09M | 06/02/2004 | 09:32 | 0.0 | 6.0 | 13.5 | 80.5 | 0.0 | |
| 09M | 06/08/2004 | 14:12 | 0.0 | 0.0 | 20.4 | 79.6 | 0.0 | |
| 09M | 06/15/2004 | 14:30 | 0.0 | 6.2 | 12.6 | 81.2 | 0.0 | |
| 09M | 06/22/2004 | 09:46 | 0.0 | 0.1 | 20.1 | 79.8 | 0.0 | |
| 09M | 06/29/2004 | 09:09 | 0.0 | 0.0 | 20.1 | 79.9 | 0.0 | |
| 10M | 04/01/2004 | 08:33 | 0.0 | 0.5 | 20.3 | 79.2 | 0.0 | |
| 10M | 04/06/2004 | 09:31 | 0.0 | 0.4 | 20.2 | 79.4 | 0.0 | |
| 10M | 04/14/2004 | 15:42 | 0.0 | 0.3 | 20.4 | 79.3 | 0.0 | |
| 10M | 04/20/2004 | 09:07 | 0.0 | 0.3 | 20.2 | 79.5 | 0.0 | |
| 10M | 04/27/2004 | 08:31 | 0.0 | 0.2 | 20.2 | 79.6 | 0.0 | |
| 10M | 05/04/2004 | 10:01 | 0.0 | 0.2 | 21.4 | 78.4 | 0.0 | |
| 10M | 05/11/2004 | 10:26 | 0.0 | 0.0 | 20.8 | 79.2 | 0.0 | |
| 10M | 05/18/2004 | 10:06 | 0.0 | 0.3 | 19.0 | 80.7 | 0.0 | |
| 10M | 05/25/2004 | 09:42 | 0.0 | 0.0 | 20.0 | 80.0 | 0.0 | |
| 10M | 06/02/2004 | 09:35 | 0.0 | 1.1 | 17.9 | 81.0 | 0.0 | |
| 10M | 06/08/2004 | 14:14 | 0.0 | 0.0 | 20.2 | 79.8 | 0.0 | |
| 10M | 06/15/2004 | 14:33 | 0.0 | 0.8 | 18.4 | 80.8 | 0.0 | |
| 10M | 06/22/2004 | 09:48 | 0.0 | 1.1 | 18.7 | 80.2 | 0.0 | |
| 10M | 06/29/2004 | 09:11 | 0.0 | 0.6 | 19.1 | 80.3 | 0.0 | |
| 11M | 04/01/2004 | 08:34 | 0.0 | 0.2 | 20.5 | 79.3 | 0.0 | |
| 11M | 04/06/2004 | 09:32 | 0.0 | 0.1 | 20.3 | 79.6 | 0.0 | |
| 11M | 04/14/2004 | 15:43 | 0.0 | 0.0 | 20.5 | 79.5 | 0.0 | |
| 11M | 04/20/2004 | 09:08 | 0.0 | 0.1 | 20.1 | 79.8 | 0.0 | |
| 11M | 04/27/2004 | 08:31 | 0.0 | 0.0 | 20.1 | 79.9 | 0.0 | |
| 11M | 05/04/2004 | 10:02 | 0.0 | 0.0 | 21.7 | 78.3 | 0.0 | |
| [illegible] | [illegible] | [illegible] | 0.0 | 0.0 | 20.9 | 79.1 | 0.0 | |

# Hewitt Pit Probe Data - 04/1/2004 through 06/30/2004

| Name | Date | Time | Methane (% by vol) | Carbon Dioxide (% by vol) | Oxygen (% by vol) | Balance Gas (% by vol) | Static Press (Inch H2O) | Comments |
|---|---|---|---|---|---|---|---|---|
| 11M | 05/18/2004 | 10:07 | 0.0 | 0.0 | 19.5 | 80.5 | 0.0 | |
| 11M | 05/25/2004 | 09:44 | 0.0 | 0.0 | 20.1 | 79.9 | 0.0 | |
| 11M | 06/02/2004 | 09:36 | 0.0 | 0.3 | 18.2 | 81.5 | 0.0 | |
| 11M | 06/08/2004 | 14:15 | 0.0 | 0.0 | 20.3 | 79.7 | 0.0 | |
| 11M | 06/15/2004 | 14:34 | 0.0 | 0.5 | 17.7 | 81.8 | 0.0 | |
| 11M | 06/22/2004 | 09:49 | 0.0 | 0.5 | 18.1 | 81.4 | 0.0 | |
| 11M | 06/29/2004 | 09:12 | 0.0 | 0.3 | 18.9 | 80.8 | 0.0 | |
| 12M | 04/01/2004 | 08:39 | 0.0 | 0.1 | 20.2 | 79.7 | 0.0 | |
| 12M | 04/06/2004 | 09:32 | 0.0 | 0.0 | 20.8 | 79.2 | 0.0 | |
| 12M | 04/14/2004 | 15:43 | 0.0 | 0.0 | 20.6 | 79.4 | 0.0 | |
| 12M | 04/20/2004 | 09:08 | 0.0 | 0.0 | 20.4 | 79.6 | 0.0 | |
| 12M | 04/27/2004 | 08:32 | 0.0 | 0.0 | 20.5 | 79.5 | 0.0 | |
| 12M | 05/04/2004 | 10:03 | 0.0 | 0.0 | 21.7 | 78.3 | 0.0 | |
| 12M | 05/11/2004 | 10:28 | 0.0 | 0.1 | 20.6 | 79.3 | 0.0 | |
| 12M | 05/18/2004 | 10:08 | 0.0 | 0.0 | 19.7 | 80.3 | 0.0 | |
| 12M | 05/25/2004 | 09:45 | 0.0 | 0.0 | 20.1 | 79.9 | 0.0 | |
| 12M | 06/02/2004 | 09:37 | 0.0 | 2.1 | 17.1 | 80.8 | 0.0 | |
| 12M | 06/08/2004 | 14:16 | 0.0 | 0.0 | 20.4 | 79.6 | 0.0 | |
| 12M | 06/15/2004 | 14:34 | 0.0 | 2.9 | 16.4 | 80.7 | 0.0 | |
| 12M | 06/22/2004 | 09:50 | 0.0 | 1.8 | 18.1 | 80.1 | 0.0 | |
| 12M | 06/29/2004 | 09:13 | 0.0 | 0.6 | 19.6 | 79.8 | 0.0 | |
| 13M | 04/01/2004 | 08:40 | 0.0 | 1.7 | 16.0 | 82.3 | 0.0 | |
| 13M | 04/06/2004 | 09:34 | 0.0 | 4.0 | 13.9 | 82.1 | 0.0 | |
| 13M | 04/14/2004 | 15:44 | 0.0 | 1.9 | 17.8 | 80.3 | 0.0 | |
| 13M | 04/20/2004 | 09:10 | 0.0 | 1.5 | 19.3 | 79.2 | 0.0 | |
| 13M | 04/27/2004 | 08:34 | 0.0 | 0.7 | 19.5 | 79.8 | 0.0 | |
| 13M | 05/04/2004 | 10:04 | 0.0 | 1.5 | 19.7 | 78.8 | 0.0 | |
| 13M | 05/11/2004 | 10:31 | 0.0 | 1.3 | 19.2 | 79.5 | 0.0 | |
| 13M | 05/18/2004 | 10:09 | 0.0 | 0.7 | 18.4 | 80.9 | 0.0 | |
| 13M | 05/25/2004 | 09:47 | 0.0 | 1.8 | 18.1 | 80.1 | 0.0 | |
| 13M | 06/02/2004 | 09:39 | 0.0 | 0.7 | 19.0 | 80.3 | 0.0 | |
| 13M | 06/08/2004 | 14:17 | 0.0 | 3.3 | 15.7 | 81.0 | 0.0 | |
| 13M | 06/15/2004 | 14:36 | 0.0 | 0.0 | 20.2 | 79.8 | 0.0 | |
| 13M | 06/22/2004 | 09:52 | 0.0 | 0.4 | 19.7 | 79.9 | 0.0 | |
| 13M | 06/29/2004 | 09:14 | 0.0 | 0.2 | 19.9 | 79.9 | 0.0 | |
| 14M | 04/01/2004 | 08:42 | 0.0 | 0.5 | 20.4 | 79.1 | 0.0 | |
| 14M | 04/06/2004 | 09:34 | 0.0 | 0.0 | 20.3 | 79.7 | 0.0 | |
| 14M | 04/14/2004 | 15:46 | 0.0 | 0.0 | 20.6 | 79.4 | 0.0 | |
| 14M | 04/20/2004 | 09:10 | 0.0 | 0.0 | 20.6 | 79.4 | 0.0 | |
| 14M | 04/27/2004 | 08:35 | 0.0 | 0.0 | 20.5 | 79.5 | 0.0 | |
| 14M | 05/04/2004 | 10:05 | 0.0 | 0.0 | 21.7 | 78.3 | 0.0 | |
| 14M | 05/11/2004 | 10:32 | 0.0 | 0.0 | 20.9 | 79.1 | 0.0 | |

# Hewitt Pit Probe Data - 04/1/2004 through 06/30/2004

| Name | Date | Time | Methane (% by vol) | Carbon Dioxide (% by vol) | Oxygen (% by vol) | Balance Gas (% by vol) | Static Press (Inch H2O) | Comments |
|---|---|---|---|---|---|---|---|---|
| 14M | 05/18/2004 | 10:09 | 0.0 | 0.0 | 19.8 | 80.2 | 0.0 | |
| 14M | 05/25/2004 | 09:48 | 0.0 | 0.0 | 20.0 | 80.0 | 0.0 | |
| 14M | 06/02/2004 | 09:40 | 0.0 | 0.0 | 20.2 | 79.8 | 0.0 | |
| 14M | 06/08/2004 | 14:18 | 0.0 | 0.0 | 20.3 | 79.7 | 0.0 | |
| 14M | 06/15/2004 | 14:36 | 0.0 | 0.3 | 19.3 | 80.4 | 0.0 | |
| 14M | 06/22/2004 | 09:53 | 0.0 | 0.0 | 20.1 | 79.9 | 0.0 | |
| 14M | 06/29/2004 | 09:15 | 0.0 | 0.0 | 20.1 | 79.9 | 0.0 | |
| 15M | 04/01/2004 | 08:44 | 0.0 | 1.3 | 17.9 | 80.8 | 0.0 | |
| 15M | 04/06/2004 | 09:37 | 0.0 | 2.1 | 18.1 | 79.8 | 0.0 | |
| 15M | 04/14/2004 | 15:48 | 0.0 | 1.8 | 18.5 | 79.7 | 0.0 | |
| 15M | 04/20/2004 | 09:13 | 0.0 | 1.5 | 19.3 | 79.2 | 0.0 | |
| 15M | 04/27/2004 | 08:37 | 0.0 | 1.5 | 18.7 | 79.8 | 0.0 | |
| 15M | 05/04/2004 | 10:07 | 0.0 | 1.7 | 19.7 | 78.6 | 0.0 | |
| 15M | 05/11/2004 | 10:36 | 0.0 | 1.1 | 19.9 | 79.0 | 0.0 | |
| 15M | 05/18/2004 | 10:12 | 0.0 | 0.8 | 19.1 | 80.1 | 0.0 | |
| 15M | 05/25/2004 | 09:53 | 0.0 | 1.0 | 19.0 | 80.0 | 0.0 | |
| 15M | 06/02/2004 | 09:44 | 0.0 | 1.1 | 18.6 | 80.3 | 0.0 | |
| 15M | 06/08/2004 | 14:19 | 0.0 | 0.0 | 20.4 | 79.6 | 0.0 | |
| 15M | 06/15/2004 | 14:37 | 0.0 | 0.9 | 19.0 | 80.1 | 0.0 | |
| 15M | 06/22/2004 | 09:55 | 0.0 | 1.1 | 18.9 | 80.0 | 0.0 | |
| 15M | 06/29/2004 | 09:17 | 0.0 | 0.0 | 20.0 | 80.0 | 0.0 | |
| 16M | 04/01/2004 | 08:46 | 0.0 | 0.5 | 20.0 | 79.5 | 0.0 | |
| 16M | 04/06/2004 | 09:38 | 0.0 | 0.4 | 20.3 | 79.3 | 0.0 | |
| 16M | 04/14/2004 | 15:50 | 6.5 | 21.0 | 0.5 | 72.0 | 0.0 | |
| 16M | 04/20/2004 | 09:15 | 0.0 | 0.0 | 20.5 | 79.5 | 0.0 | |
| 16M | 04/27/2004 | 08:39 | 0.0 | 0.0 | 20.6 | 79.4 | 0.0 | |
| 16M | 05/04/2004 | 10:09 | 0.0 | 0.0 | 21.9 | 78.1 | 0.0 | |
| 16M | 05/11/2004 | 10:39 | 0.0 | 0.0 | 21.1 | 78.9 | 0.0 | |
| 16M | 05/18/2004 | 10:13 | 0.0 | 0.0 | 19.9 | 80.1 | 0.0 | |
| 16M | 05/25/2004 | 09:55 | 0.0 | 0.0 | 20.1 | 79.9 | 0.0 | |
| 16M | 06/02/2004 | 09:46 | 0.0 | 0.2 | 19.8 | 80.0 | 0.0 | |
| 16M | 06/08/2004 | 14:20 | 0.0 | 0.0 | 20.4 | 79.6 | 0.0 | |
| 16M | 06/15/2004 | 14:39 | 0.0 | 1.6 | 17.6 | 80.8 | 0.0 | |
| 16M | 06/22/2004 | 09:57 | 0.0 | 0.0 | 20.1 | 79.9 | 0.0 | |
| 16M | 06/29/2004 | 09:18 | 0.0 | 0.0 | 20.1 | 79.9 | 0.0 | |
| 17M | 04/01/2004 | 08:48 | 0.0 | 0.5 | 19.8 | 79.7 | 0.0 | |
| 17M | 04/06/2004 | 09:40 | 0.0 | 0.4 | 20.0 | 79.6 | 0.0 | |
| 17M | 04/14/2004 | 15:52 | 0.0 | 0.7 | 18.6 | 80.7 | 0.0 | |
| 17M | 04/20/2004 | 09:16 | 0.0 | 0.1 | 20.5 | 79.4 | 0.0 | |
| 17M | 04/27/2004 | 08:40 | 0.0 | 0.1 | 20.2 | 79.7 | 0.0 | |
| 17M | 05/04/2004 | 10:11 | 0.0 | 0.3 | 21.5 | 78.2 | 0.0 | |
| 17M | 05/11/2004 | 10:43 | 0.0 | 0.0 | 21.2 | 78.8 | 0.0 | |

# Hewitt Pit Probe Data - 04/1/2004 through 06/30/2004

| Name | Date | Time | Methane (% by vol) | Carbon Dioxide (% by vol) | Oxygen (% by vol) | Balance Gas (% by vol) | Static Press (Inch H2O) | Comments |
|---|---|---|---|---|---|---|---|---|
| 17M | 05/18/2004 | 10:15 | 0.0 | 0.0 | 19.8 | 80.2 | 0.0 | |
| 17M | 05/25/2004 | 09:59 | 0.0 | 0.0 | 20.1 | 79.9 | 0.0 | |
| 17M | 06/02/2004 | 09:50 | 0.0 | 0.0 | 20.1 | 79.9 | 0.0 | |
| 17M | 06/08/2004 | 14:21 | 0.0 | 0.0 | 20.5 | 79.5 | 0.0 | |
| 17M | 06/15/2004 | 14:41 | 0.0 | 0.0 | 19.8 | 80.2 | 0.0 | |
| 17M | 06/22/2004 | 10:05 | 0.0 | 0.0 | 20.1 | 79.9 | 0.0 | |
| 17M | 06/29/2004 | 09:19 | 0.0 | 0.0 | 20.1 | 79.9 | 0.0 | |
| 18M | 04/01/2004 | 08:50 | 0.0 | 0.3 | 20.3 | 79.4 | 0.0 | |
| 18M | 04/06/2004 | 09:41 | 0.0 | 0.2 | 20.5 | 79.3 | 0.0 | |
| 18M | 04/14/2004 | 15:53 | 0.0 | 0.2 | 20.1 | 79.7 | 0.0 | |
| 18M | 04/20/2004 | 09:17 | 0.0 | 0.1 | 20.5 | 79.4 | 0.0 | |
| 18M | 04/27/2004 | 08:41 | 0.0 | 0.0 | 20.4 | 79.6 | 0.0 | |
| 18M | 05/04/2004 | 10:13 | 0.0 | 0.1 | 21.6 | 78.3 | 0.0 | |
| 18M | 05/11/2004 | 10:45 | 0.0 | 0.0 | 21.2 | 78.8 | 0.0 | |
| 18M | 05/18/2004 | 10:16 | 0.0 | 0.0 | 19.9 | 80.1 | 0.0 | |
| 18M | 05/25/2004 | 10:01 | 0.0 | 0.1 | 20.1 | 79.8 | 0.0 | |
| 18M | 06/02/2004 | 09:52 | 0.0 | 0.0 | 20.1 | 79.9 | 0.0 | |
| 18M | 06/08/2004 | 14:22 | 0.0 | 0.0 | 20.4 | 79.6 | 0.0 | |
| 18M | 06/15/2004 | 14:42 | 0.0 | 0.1 | 20.0 | 79.9 | 0.0 | |
| 18M | 06/22/2004 | 10:06 | 0.0 | 0.1 | 20.1 | 79.8 | 0.0 | |
| 18M | 06/29/2004 | 09:20 | 0.0 | 0.2 | 20.1 | 79.7 | 0.0 | |
| 19M | 04/01/2004 | 08:52 | 0.0 | 0.1 | 20.6 | 79.3 | 0.0 | |
| 19M | 04/06/2004 | 09:43 | 0.0 | 0.0 | 20.8 | 79.2 | 0.0 | |
| 19M | 04/14/2004 | 12:00 | 4.2 | 19.0 | 0.4 | 76.4 | 0.0 | |
| 19M | 04/20/2004 | 09:20 | 0.0 | 0.0 | 20.6 | 79.4 | 0.0 | |
| 19M | 04/27/2004 | 08:43 | 0.0 | 0.0 | 20.6 | 79.4 | 0.0 | |
| 19M | 05/04/2004 | 10:17 | 0.0 | 0.0 | 21.8 | 78.2 | 0.0 | |
| 19M | 05/11/2004 | 07:20 | 0.0 | 0.0 | 20.6 | 79.4 | 0.0 | |
| 19M | 05/18/2004 | 10:18 | 0.0 | 0.0 | 19.9 | 80.1 | 0.0 | |
| 19M | 05/25/2004 | 10:07 | 0.0 | 0.0 | 19.6 | 80.4 | 0.0 | |
| 19M | 06/02/2004 | 09:53 | 0.0 | 0.0 | 20.3 | 79.7 | 0.0 | |
| 19M | 06/08/2004 | 14:23 | 0.0 | 0.0 | 20.4 | 79.6 | 0.0 | |
| 19M | 06/15/2004 | 14:44 | 0.0 | 0.0 | 20.2 | 79.8 | 0.0 | |
| 19M | 06/22/2004 | 10:10 | 0.0 | 0.0 | 20.1 | 79.9 | 0.0 | |
| 19M | 06/29/2004 | 09:21 | 0.0 | 0.0 | 20.1 | 79.9 | 0.0 | |
| 20M | 04/06/2004 | 09:44 | 0.0 | 0.0 | 21.0 | 79.0 | 0.0 | |
| 20M | 04/14/2004 | 12:04 | 0.0 | 0.0 | 20.3 | 79.7 | 0.0 | |
| 20M | 04/20/2004 | 09:21 | 0.0 | 0.0 | 20.8 | 79.2 | 0.0 | |
| 20M | 04/27/2004 | 08:45 | 0.0 | 0.0 | 20.7 | 79.3 | 0.0 | |
| 20M | 05/04/2004 | 09:34 | 0.0 | 0.0 | 20.8 | 79.2 | 0.0 | |
| 20M | 05/11/2004 | 07:23 | 0.0 | 0.0 | 20.6 | 79.4 | 0.0 | |
| 20M | 05/18/2004 | 10:20 | 0.0 | 0.0 | 19.9 | 80.1 | 0.0 | |

# Hewitt Pit Probe Data - 04/1/2004 through 06/30/2004

| Name | Date | Time | Methane (% by vol) | Carbon Dioxide (% by vol) | Oxygen (% by vol) | Balance Gas (% by vol) | Static Press (Inch H2O) | Comments |
|---|---|---|---|---|---|---|---|---|
| 20M | 05/25/2004 | 10:12 | 0.0 | 0.0 | 20.1 | 79.9 | 0.0 | |
| 20M | 06/02/2004 | 09:56 | 0.0 | 0.0 | 20.3 | 79.7 | 0.0 | |
| 20M | 06/08/2004 | 14:24 | 0.0 | 0.0 | 20.6 | 79.4 | 0.0 | |
| 20M | 06/15/2004 | 14:45 | 0.0 | 0.0 | 19.8 | 80.2 | 0.0 | |
| 20M | 06/22/2004 | 10:12 | 0.0 | 0.0 | 20.1 | 79.9 | 0.0 | |
| 20M | 06/29/2004 | 09:22 | 0.0 | 0.0 | 20.1 | 79.9 | 0.0 | |
| 21M | 04/06/2004 | 09:46 | 0.0 | 0.0 | 21.0 | 79.0 | 0.0 | |
| 21M | 04/14/2004 | 12:05 | 0.0 | 0.1 | 20.7 | 79.2 | 0.0 | |
| 21M | 04/20/2004 | 09:26 | 0.0 | 0.0 | 20.7 | 79.3 | 0.0 | |
| 21M | 04/27/2004 | 08:47 | 0.0 | 0.0 | 20.7 | 79.3 | 0.0 | |
| 21M | 05/04/2004 | 09:36 | 0.0 | 0.0 | 20.9 | 79.1 | 0.0 | |
| 21M | 05/11/2004 | 07:40 | 0.0 | 0.0 | 20.5 | 79.5 | 0.0 | |
| 21M | 05/18/2004 | 10:21 | 0.0 | 0.0 | 19.9 | 80.1 | 0.0 | |
| 21M | 05/25/2004 | 10:13 | 0.0 | 0.0 | 20.1 | 79.9 | 0.0 | |
| 21M | 06/02/2004 | 09:58 | 0.0 | 0.0 | 20.4 | 79.6 | 0.0 | |
| 21M | 06/08/2004 | 14:25 | 0.0 | 0.0 | 20.4 | 79.6 | 0.0 | |
| 21M | 06/15/2004 | 14:47 | 0.0 | 1.9 | 17.7 | 80.4 | 0.0 | |
| 21M | 06/22/2004 | 10:14 | 0.0 | 0.0 | 20.2 | 79.8 | 0.0 | |
| 21M | 06/29/2004 | 09:24 | 0.0 | 0.0 | 20.0 | 80.0 | 0.0 | |
| 22M | 04/06/2004 | 09:47 | 0.0 | 0.0 | 21.0 | 79.0 | 0.0 | |
| 22M | 04/14/2004 | 12:06 | 0.0 | 0.4 | 20.2 | 79.4 | 0.0 | |
| 22M | 04/20/2004 | 09:27 | 0.0 | 0.0 | 20.8 | 79.2 | 0.0 | |
| 22M | 04/27/2004 | 08:48 | 0.0 | 0.0 | 20.7 | 79.3 | 0.0 | |
| 22M | 05/04/2004 | 09:37 | 0.0 | 0.0 | 20.9 | 79.1 | 0.0 | |
| 22M | 05/11/2004 | 07:42 | 0.0 | 0.0 | 20.5 | 79.5 | 0.0 | |
| 22M | 05/18/2004 | 10:23 | 0.0 | 0.0 | 19.9 | 80.1 | 0.0 | |
| 22M | 05/25/2004 | 10:14 | 0.0 | 0.0 | 20.1 | 79.9 | 0.0 | |
| 22M | 06/02/2004 | 09:59 | 0.0 | 0.0 | 20.4 | 79.6 | 0.0 | |
| 22M | 06/08/2004 | 14:27 | 0.0 | 0.0 | 20.4 | 79.6 | 0.0 | |
| 22M | 06/15/2004 | 14:52 | 0.0 | 0.5 | 19.2 | 80.3 | 0.0 | |
| 22M | 06/22/2004 | 10:14 | 0.0 | 0.0 | 20.2 | 79.8 | 0.0 | |
| 22M | 06/29/2004 | 09:25 | 0.0 | 0.0 | 20.1 | 79.9 | 0.0 | |
| 23M | 04/06/2004 | 09:48 | 0.0 | 0.0 | 21.0 | 79.0 | 0.0 | |
| 23M | 04/14/2004 | 12:07 | 0.0 | 1.6 | 18.7 | 79.7 | 0.0 | |
| 23M | 04/20/2004 | 09:28 | 0.0 | 0.0 | 20.8 | 79.2 | 0.0 | |
| 23M | 04/27/2004 | 08:49 | 0.0 | 0.0 | 20.7 | 79.3 | 0.0 | |
| 23M | 05/04/2004 | 09:38 | 0.0 | 0.0 | 20.8 | 79.2 | 0.0 | |
| 23M | 05/11/2004 | 07:44 | 0.0 | 0.0 | 20.6 | 79.4 | 0.0 | |
| 23M | 05/18/2004 | 10:24 | 0.0 | 0.0 | 19.9 | 80.1 | 0.0 | |
| 23M | 05/25/2004 | 10:16 | 0.0 | 0.0 | 20.1 | 79.9 | 0.0 | |
| 23M | 06/02/2004 | 10:01 | 0.0 | 0.3 | 19.8 | 79.9 | 0.0 | |
| 23M | 06/08/2004 | 14:28 | 0.0 | 0.3 | 19.9 | 79.8 | 0.0 | |

# Hewitt Pit Probe Data - 04/1/2004 through 06/30/2004

| Name | Date | Time | Methane (% by vol) | Carbon Dioxide (% by vol) | Oxygen (% by vol) | Balance Gas (% by vol) | Static Press (Inch H2O) | Comments |
|---|---|---|---|---|---|---|---|---|
| 23M | 06/15/2004 | 14:54 | 0.0 | 3.2 | 16.4 | 80.4 | 0.0 | |
| 23M | 06/22/2004 | 10:16 | 0.0 | 0.0 | 20.2 | 79.8 | 0.0 | |
| 23M | 06/29/2004 | 09:26 | 0.0 | 0.0 | 20.0 | 80.0 | 0.0 | |
| 24M | 04/06/2004 | 09:49 | 0.0 | 0.0 | 21.0 | 79.0 | 0.0 | |
| 24M | 04/14/2004 | 12:08 | 0.0 | 0.5 | 20.0 | 79.5 | 0.0 | |
| 24M | 04/20/2004 | 09:30 | 0.0 | 0.0 | 20.7 | 79.3 | 0.0 | |
| 24M | 04/27/2004 | 08:50 | 0.0 | 0.0 | 20.7 | 79.3 | 0.0 | |
| 24M | 05/04/2004 | 09:39 | 0.0 | 0.0 | 20.8 | 79.2 | 0.0 | |
| 24M | 05/11/2004 | 07:46 | 0.0 | 0.0 | 20.5 | 79.5 | 0.0 | |
| 24M | 05/18/2004 | 10:26 | 0.0 | 0.0 | 19.6 | 80.4 | 0.0 | |
| 24M | 05/25/2004 | 10:18 | 0.0 | 0.0 | 20.1 | 79.9 | 0.0 | |
| 24M | 06/02/2004 | 10:02 | 0.0 | 0.1 | 20.2 | 79.7 | 0.0 | |
| 24M | 06/08/2004 | 14:29 | 0.0 | 0.0 | 20.4 | 79.6 | 0.0 | |
| 24M | 06/15/2004 | 14:57 | 0.0 | 0.7 | 19.0 | 80.3 | 0.0 | |
| 24M | 06/22/2004 | 10:17 | 0.0 | 0.0 | 20.2 | 79.8 | 0.0 | |
| 24M | 06/29/2004 | 09:27 | 0.0 | 0.0 | 20.0 | 80.0 | 0.0 | |
| 25M | 04/06/2004 | 09:50 | 0.0 | 0.0 | 21.0 | 79.0 | 0.0 | |
| 25M | 04/14/2004 | 12:09 | 0.0 | 0.0 | 20.7 | 79.3 | 0.0 | |
| 25M | 04/20/2004 | 09:30 | 0.0 | 0.0 | 20.7 | 79.3 | 0.0 | |
| 25M | 04/27/2004 | 08:51 | 0.0 | 0.0 | 20.8 | 79.2 | 0.0 | |
| 25M | 05/04/2004 | 09:40 | 0.0 | 0.0 | 20.9 | 79.1 | 0.0 | |
| 25M | 05/11/2004 | 07:47 | 0.0 | 0.0 | 20.5 | 79.5 | 0.0 | |
| 25M | 05/18/2004 | 10:26 | 0.0 | 0.0 | 19.6 | 80.4 | 0.0 | |
| 25M | 05/25/2004 | 10:19 | 0.0 | 0.0 | 20.1 | 79.9 | 0.0 | |
| 25M | 06/02/2004 | 10:04 | 0.0 | 0.0 | 20.4 | 79.6 | 0.0 | |
| 25M | 06/08/2004 | 14:31 | 0.0 | 0.0 | 20.5 | 79.5 | 0.0 | |
| 25M | 06/15/2004 | 14:58 | 0.0 | 0.2 | 20.0 | 79.8 | 0.0 | |
| 25M | 06/22/2004 | 10:18 | 0.0 | 0.0 | 20.2 | 79.8 | 0.0 | |
| 25M | 06/29/2004 | 09:28 | 0.0 | 0.0 | 20.1 | 79.9 | 0.0 | |
| 26M | 04/06/2004 | 09:51 | 0.0 | 0.2 | 20.8 | 79.0 | 0.0 | |
| 26M | 04/14/2004 | 12:10 | 0.0 | 1.0 | 19.5 | 79.5 | 0.0 | |
| 26M | 04/20/2004 | 09:31 | 0.0 | 0.0 | 20.7 | 79.3 | 0.0 | |
| 26M | 04/27/2004 | 08:52 | 0.0 | 0.0 | 20.6 | 79.4 | 0.0 | |
| 26M | 05/04/2004 | 09:41 | 0.0 | 0.0 | 20.8 | 79.2 | 0.0 | |
| 26M | 05/11/2004 | 07:48 | 0.0 | 0.1 | 20.5 | 79.4 | 0.0 | |
| 26M | 05/18/2004 | 10:28 | 0.0 | 0.0 | 19.7 | 80.3 | 0.0 | |
| 26M | 05/25/2004 | 10:20 | 0.0 | 0.6 | 19.6 | 79.8 | 0.0 | |
| 26M | 06/02/2004 | 10:05 | 0.0 | 0.3 | 19.9 | 79.8 | 0.0 | |
| 26M | 06/08/2004 | 14:32 | 0.0 | 0.0 | 20.6 | 79.4 | 0.0 | |
| 26M | 06/15/2004 | 14:59 | 0.0 | 0.7 | 19.4 | 79.9 | 0.0 | |
| 26M | 06/22/2004 | 10:19 | 0.0 | 0.2 | 19.9 | 79.9 | 0.0 | |
| | | | 0.0 | 0.2 | 20.0 | 79.8 | 0.0 | |

# Hewitt Pit Probe Data - 04/1/2004 through 06/30/2004

| Name | Date | Time | Methane (% by vol) | Carbon Dioxide (% by vol) | Oxygen (% by vol) | Balance Gas (% by vol) | Static Press (Inch H2O) | Comments |
|---|---|---|---|---|---|---|---|---|
| 27M | 04/06/2004 | 09:53 | 0.0 | 0.0 | 20.9 | 79.1 | 0.0 | |
| 27M | 04/14/2004 | 12:11 | 0.0 | 0.0 | 20.7 | 79.3 | 0.0 | |
| 27M | 04/20/2004 | 09:32 | 0.0 | 0.1 | 20.4 | 79.5 | 0.0 | |
| 27M | 04/27/2004 | 08:53 | 0.0 | 0.1 | 20.5 | 79.4 | 0.0 | |
| 27M | 05/04/2004 | 09:42 | 0.0 | 0.3 | 20.2 | 79.5 | 0.0 | |
| 27M | 05/11/2004 | 07:50 | 0.0 | 0.0 | 20.5 | 79.5 | 0.0 | |
| 27M | 05/18/2004 | 10:29 | 0.0 | 0.1 | 19.5 | 80.4 | 0.0 | |
| 27M | 05/25/2004 | 10:22 | 0.0 | 0.0 | 20.1 | 79.9 | 0.0 | |
| 27M | 06/02/2004 | 10:08 | 0.0 | 0.0 | 20.5 | 79.5 | 0.0 | |
| 27M | 06/08/2004 | 14:33 | 0.0 | 0.0 | 20.5 | 79.5 | 0.0 | |
| 27M | 06/15/2004 | 15:00 | 0.0 | 0.0 | 20.2 | 79.8 | 0.0 | |
| 27M | 06/22/2004 | 10:20 | 0.0 | 0.0 | 20.1 | 79.9 | 0.0 | |
| 27M | 06/29/2004 | 09:30 | 0.0 | 0.0 | 20.1 | 79.9 | 0.0 | |
| 28M | 04/06/2004 | 09:53 | 0.0 | 0.0 | 20.9 | 79.1 | 0.0 | |
| 28M | 04/14/2004 | 12:12 | 0.0 | 0.9 | 19.7 | 79.4 | 0.0 | |
| 28M | 04/20/2004 | 09:33 | 0.0 | 0.0 | 20.7 | 79.3 | 0.0 | |
| 28M | 04/27/2004 | 08:53 | 0.0 | 0.3 | 20.4 | 79.3 | 0.0 | |
| 28M | 05/04/2004 | 09:43 | 0.0 | 0.9 | 19.6 | 79.5 | 0.0 | |
| 28M | 05/11/2004 | 07:51 | 0.0 | 0.0 | 20.5 | 79.5 | 0.0 | |
| 28M | 05/18/2004 | 10:30 | 0.0 | 0.5 | 19.1 | 80.4 | 0.0 | |
| 28M | 05/25/2004 | 10:23 | 0.0 | 0.7 | 19.4 | 79.9 | 0.0 | |
| 28M | 06/02/2004 | 10:10 | 0.0 | 1.5 | 18.6 | 79.9 | 0.0 | |
| 28M | 06/08/2004 | 14:34 | 0.0 | 1.1 | 18.9 | 80.0 | 0.0 | |
| 28M | 06/15/2004 | 15:02 | 0.0 | 2.1 | 17.7 | 80.2 | 0.0 | |
| 28M | 06/22/2004 | 10:21 | 0.0 | 0.6 | 19.5 | 79.9 | 0.0 | |
| 28M | 06/29/2004 | 09:31 | 0.0 | 0.2 | 19.9 | 79.9 | 0.0 | |
| 29M | 04/06/2004 | 09:54 | 0.0 | 0.0 | 21.0 | 79.0 | 0.0 | |
| 29M | 04/14/2004 | 12:13 | 0.0 | 0.0 | 20.8 | 79.2 | 0.0 | |
| 29M | 04/20/2004 | 09:35 | 0.0 | 0.0 | 20.7 | 79.3 | 0.0 | |
| 29M | 04/27/2004 | 08:54 | 0.0 | 0.0 | 20.8 | 79.2 | 0.0 | |
| 29M | 05/04/2004 | 09:44 | 0.0 | 0.0 | 20.8 | 79.2 | 0.0 | |
| 29M | 05/11/2004 | 07:52 | 0.0 | 0.0 | 20.6 | 79.4 | 0.0 | |
| 29M | 05/18/2004 | 10:30 | 0.0 | 0.0 | 19.8 | 80.2 | 0.0 | |
| 29M | 05/25/2004 | 10:24 | 0.0 | 0.0 | 20.1 | 79.9 | 0.0 | |
| 29M | 06/02/2004 | 10:11 | 0.0 | 0.0 | 20.4 | 79.6 | 0.0 | |
| 29M | 06/08/2004 | 14:35 | 0.0 | 0.0 | 20.5 | 79.5 | 0.0 | |
| 29M | 06/15/2004 | 15:03 | 0.0 | 0.7 | 19.3 | 80.0 | 0.0 | |
| 29M | 06/22/2004 | 10:22 | 0.0 | 0.0 | 20.1 | 79.9 | 0.0 | |
| 29M | 06/29/2004 | 09:32 | 0.0 | 0.0 | 20.1 | 79.9 | 0.0 | |
| 30M | 04/06/2004 | 09:55 | 0.0 | 0.0 | 21.0 | 79.0 | 0.0 | |
| 30M | 04/14/2004 | 12:13 | 0.0 | 0.2 | 20.6 | 79.2 | 0.0 | |
| [illegible] | [illegible] | [illegible] | 0.0 | 0.0 | 20.8 | 79.2 | 0.0 | |

# Hewitt Pit Probe Data - 04/1/2004 through 06/30/2004

| Name | Date | Time | Methane (% by vol) | Carbon Dioxide (% by vol) | Oxygen (% by vol) | Balance Gas (% by vol) | Static Press (Inch H2O) | Comments |
|---|---|---|---|---|---|---|---|---|
| 30M | 04/27/2004 | 08:55 | 0.0 | 0.0 | 20.7 | 79.3 | 0.0 | |
| 30M | 05/04/2004 | 09:45 | 0.0 | 0.0 | 20.8 | 79.2 | 0.0 | |
| 30M | 05/11/2004 | 07:53 | 0.0 | 0.0 | 20.6 | 79.4 | 0.0 | |
| 30M | 05/18/2004 | 10:31 | 0.0 | 0.0 | 19.9 | 80.1 | 0.0 | |
| 30M | 05/25/2004 | 10:25 | 0.0 | 0.0 | 20.1 | 79.9 | 0.0 | |
| 30M | 06/02/2004 | 10:12 | 0.0 | 0.0 | 20.5 | 79.5 | 0.0 | |
| 30M | 06/08/2004 | 14:36 | 0.0 | 0.0 | 20.5 | 79.5 | 0.0 | |
| 30M | 06/15/2004 | 15:04 | 0.0 | 1.1 | 18.7 | 80.2 | 0.0 | |
| 30M | 06/22/2004 | 10:23 | 0.0 | 0.0 | 20.2 | 79.8 | 0.0 | |
| 30M | 06/29/2004 | 09:33 | 0.0 | 0.0 | 20.0 | 80.0 | 0.0 | |
| 31M | 04/06/2004 | 09:56 | 0.0 | 0.0 | 21.1 | 78.9 | 0.0 | |
| 31M | 04/14/2004 | 12:14 | 0.0 | 0.3 | 20.5 | 79.2 | 0.0 | |
| 31M | 04/20/2004 | 09:37 | 0.0 | 0.0 | 20.8 | 79.2 | 0.0 | |
| 31M | 04/27/2004 | 08:56 | 0.0 | 0.0 | 20.8 | 79.2 | 0.0 | |
| 31M | 05/04/2004 | 09:45 | 0.0 | 0.0 | 20.8 | 79.2 | 0.0 | |
| 31M | 05/11/2004 | 07:55 | 0.0 | 0.0 | 20.6 | 79.4 | 0.0 | |
| 31M | 05/18/2004 | 10:32 | 0.0 | 0.0 | 20.0 | 80.0 | 0.0 | |
| 31M | 05/25/2004 | 10:26 | 0.0 | 0.0 | 20.1 | 79.9 | 0.0 | |
| 31M | 06/02/2004 | 10:13 | 0.0 | 0.0 | 20.5 | 79.5 | 0.0 | |
| 31M | 06/08/2004 | 14:37 | 0.0 | 0.0 | 20.4 | 79.6 | 0.0 | |
| 31M | 06/15/2004 | 15:05 | 0.0 | 0.0 | 20.3 | 79.7 | 0.0 | |
| 31M | 06/22/2004 | 10:24 | 0.0 | 0.0 | 20.2 | 79.8 | 0.0 | |
| 31M | 06/29/2004 | 09:33 | 0.0 | 0.0 | 20.1 | 79.9 | 0.0 | |
| 32M | 04/06/2004 | 09:57 | 0.0 | 0.0 | 21.0 | 79.0 | 0.0 | |
| 32M | 04/14/2004 | 12:15 | 0.0 | 0.0 | 20.8 | 79.2 | 0.0 | |
| 32M | 04/20/2004 | 09:38 | 0.0 | 0.0 | 20.8 | 79.2 | 0.0 | |
| 32M | 04/27/2004 | 08:58 | 0.0 | 0.0 | 20.7 | 79.3 | 0.0 | |
| 32M | 05/04/2004 | 09:47 | 0.0 | 0.0 | 20.8 | 79.2 | 0.0 | |
| 32M | 05/11/2004 | 07:57 | 0.0 | 0.0 | 20.6 | 79.4 | 0.0 | |
| 32M | 05/18/2004 | 10:33 | 0.0 | 0.0 | 19.9 | 80.1 | 0.0 | |
| 32M | 05/25/2004 | 10:27 | 0.0 | 0.0 | 20.1 | 79.9 | 0.0 | |
| 32M | 06/02/2004 | 10:14 | 0.0 | 0.2 | 20.1 | 79.7 | 0.0 | |
| 32M | 06/08/2004 | 14:38 | 0.0 | 0.0 | 20.4 | 79.6 | 0.0 | |
| 32M | 06/15/2004 | 15:06 | 0.0 | 0.2 | 20.0 | 79.8 | 0.0 | |
| 32M | 06/22/2004 | 10:25 | 0.0 | 0.0 | 20.2 | 79.8 | 0.0 | |
| 32M | 06/29/2004 | 09:34 | 0.0 | 0.0 | 20.1 | 79.9 | 0.0 | |
| 33M | 04/06/2004 | 09:58 | 0.0 | 0.0 | 21.0 | 79.0 | 0.0 | |
| 33M | 04/14/2004 | 12:17 | 0.0 | 6.3 | 13.1 | 80.6 | 0.0 | |
| 33M | 04/20/2004 | 09:39 | 0.0 | 0.0 | 20.8 | 79.2 | 0.0 | |
| 33M | 04/27/2004 | 08:58 | 0.0 | 0.0 | 20.7 | 79.3 | 0.0 | |
| 33M | 05/04/2004 | 09:47 | 0.0 | 0.0 | 20.9 | 79.1 | 0.0 | |
| 33M | 05/11/2004 | 07:58 | 0.0 | 0.0 | 20.5 | 79.5 | 0.0 | |

# Hewitt Pit Probe Data - 04/1/2004 through 06/30/2004

| Name | Date | Time | Methane (% by vol) | Carbon Dioxide (% by vol) | Oxygen (% by vol) | Balance Gas (% by vol) | Static Press (Inch H2O) | Comments |
|---|---|---|---|---|---|---|---|---|
| 33M | 05/18/2004 | 10:34 | 0.0 | 0.0 | 19.9 | 80.1 | 0.0 | |
| 33M | 05/25/2004 | 10:28 | 0.0 | 0.0 | 20.1 | 79.9 | 0.0 | |
| 33M | 06/02/2004 | 10:15 | 0.0 | 0.3 | 19.8 | 79.9 | 0.0 | |
| 33M | 06/08/2004 | 14:39 | 0.0 | 0.0 | 20.5 | 79.5 | 0.0 | |
| 33M | 06/15/2004 | 15:07 | 0.0 | 5.4 | 14.0 | 80.6 | 0.0 | |
| 33M | 06/22/2004 | 10:26 | 0.0 | 0.0 | 20.2 | 79.8 | 0.0 | |
| 33M | 06/29/2004 | 09:35 | 0.0 | 0.0 | 20.0 | 80.0 | 0.0 | |
| 34M | 04/06/2004 | 09:59 | 0.0 | 0.0 | 21.0 | 79.0 | 0.0 | |
| 34M | 04/14/2004 | 12:18 | 0.0 | 0.2 | 20.1 | 79.7 | 0.0 | |
| 34M | 04/20/2004 | 09:40 | 0.0 | 0.0 | 20.8 | 79.2 | 0.0 | |
| 34M | 04/27/2004 | 09:00 | 0.0 | 0.3 | 20.2 | 79.5 | 0.0 | |
| 34M | 05/04/2004 | 09:49 | 0.0 | 0.2 | 20.5 | 79.3 | 0.0 | |
| 34M | 05/11/2004 | 08:00 | 0.0 | 0.0 | 20.5 | 79.5 | 0.0 | |
| 34M | 05/18/2004 | 10:35 | 0.0 | 0.0 | 19.9 | 80.1 | 0.0 | |
| 34M | 05/25/2004 | 10:30 | 0.0 | 0.0 | 20.1 | 79.9 | 0.0 | |
| 34M | 06/02/2004 | 10:17 | 0.0 | 0.3 | 19.8 | 79.9 | 0.0 | |
| 34M | 06/08/2004 | 14:40 | 0.0 | 0.5 | 19.8 | 79.7 | 0.0 | |
| 34M | 06/15/2004 | 15:08 | 0.0 | 1.3 | 18.5 | 80.2 | 0.0 | |
| 34M | 06/22/2004 | 10:27 | 0.0 | 0.3 | 19.9 | 79.8 | 0.0 | |
| 34M | 06/29/2004 | 09:36 | 0.0 | 0.4 | 19.7 | 79.9 | 0.0 | |
| 35M | 04/01/2004 | 07:38 | 0.0 | 0.8 | 20.0 | 79.2 | 0.0 | |
| 35M | 04/06/2004 | 10:00 | 0.0 | 0.0 | 21.0 | 79.0 | 0.0 | |
| 35M | 04/14/2004 | 12:19 | 0.0 | 3.3 | 16.4 | 80.3 | 0.0 | |
| 35M | 04/20/2004 | 09:40 | 0.0 | 0.0 | 20.7 | 79.3 | 0.0 | |
| 35M | 04/27/2004 | 09:00 | 0.0 | 0.0 | 20.7 | 79.3 | 0.0 | |
| 35M | 05/04/2004 | 09:49 | 0.0 | 0.0 | 20.8 | 79.2 | 0.0 | |
| 35M | 05/11/2004 | 08:01 | 0.0 | 0.0 | 20.5 | 79.5 | 0.0 | |
| 35M | 05/18/2004 | 10:36 | 0.0 | 0.0 | 19.9 | 80.1 | 0.0 | |
| 35M | 05/25/2004 | 10:31 | 0.0 | 0.0 | 20.1 | 79.9 | 0.0 | |
| 35M | 06/02/2004 | 10:18 | 0.0 | 1.0 | 18.9 | 80.1 | 0.0 | |
| 35M | 06/08/2004 | 14:41 | 0.0 | 1.7 | 18.4 | 79.9 | 0.0 | |
| 35M | 06/15/2004 | 15:09 | 0.0 | 1.9 | 18.1 | 80.0 | 0.0 | |
| 35M | 06/22/2004 | 10:28 | 0.0 | 0.0 | 20.2 | 79.8 | 0.0 | |
| 35M | 06/29/2004 | 09:37 | 0.0 | 0.0 | 20.0 | 80.0 | 0.0 | |
| 36M | 04/01/2004 | 07:39 | 0.0 | 0.0 | 21.0 | 79.0 | 0.0 | |
| 36M | 04/06/2004 | 10:01 | 0.0 | 0.0 | 21.0 | 79.0 | 0.0 | |
| 36M | 04/14/2004 | 12:20 | 0.0 | 0.9 | 19.6 | 79.5 | 0.0 | |
| 36M | 04/20/2004 | 09:42 | 0.0 | 0.0 | 20.8 | 79.2 | 0.0 | |
| 36M | 04/27/2004 | 09:01 | 0.0 | 0.0 | 20.6 | 79.4 | 0.0 | |
| 36M | 05/04/2004 | 09:51 | 0.0 | 0.0 | 20.8 | 79.2 | 0.0 | |
| 36M | 05/11/2004 | 08:03 | 0.0 | 4.7 | 15.9 | 79.4 | 0.0 | |
| 36M | 05/18/2004 | 10:37 | 0.0 | 0.7 | 19.1 | 80.2 | 0.0 | |

# Hewitt Pit Probe Data - 04/1/2004 through 06/30/2004

| Name | Date | Time | Methane (% by vol) | Carbon Dioxide (% by vol) | Oxygen (% by vol) | Balance Gas (% by vol) | Static Press (Inch H2O) | Comments |
|---|---|---|---|---|---|---|---|---|
| 36M | 05/25/2004 | 10:32 | 0.0 | 0.6 | 19.7 | 79.7 | 0.0 | |
| 36M | 06/02/2004 | 10:20 | 0.0 | 0.7 | 19.6 | 79.7 | 0.0 | |
| 36M | 06/08/2004 | 14:42 | 0.0 | 0.0 | 20.4 | 79.6 | 0.0 | |
| 36M | 06/15/2004 | 15:11 | 0.0 | 4.8 | 15.5 | 79.7 | 0.0 | |
| 36M | 06/22/2004 | 10:29 | 0.0 | 0.0 | 20.2 | 79.8 | 0.0 | |
| 36M | 06/29/2004 | 09:38 | 0.0 | 2.2 | 18.1 | 79.7 | 0.0 | |
| 37M | 04/01/2004 | 07:40 | 0.0 | 0.0 | 21.1 | 78.9 | 0.0 | |
| 37M | 04/06/2004 | 10:02 | 0.0 | 0.0 | 21.0 | 79.0 | 0.0 | |
| 37M | 04/14/2004 | 12:21 | 0.0 | 5.5 | 14.1 | 80.4 | 0.0 | |
| 37M | 04/20/2004 | 09:43 | 0.0 | 0.0 | 20.8 | 79.2 | 0.0 | |
| 37M | 04/27/2004 | 09:02 | 0.0 | 0.0 | 20.9 | 79.1 | 0.0 | |
| 37M | 05/04/2004 | 09:54 | 0.0 | 0.0 | 20.8 | 79.2 | 0.0 | |
| 37M | 05/11/2004 | 08:05 | 0.0 | 0.0 | 20.4 | 79.6 | 0.0 | |
| 37M | 05/18/2004 | 10:38 | 0.0 | 0.0 | 19.9 | 80.1 | 0.0 | |
| 37M | 05/25/2004 | 10:34 | 0.0 | 0.0 | 20.1 | 79.9 | 0.0 | |
| 37M | 06/02/2004 | 10:21 | 0.0 | 0.0 | 20.5 | 79.5 | 0.0 | |
| 37M | 06/08/2004 | 14:43 | 0.0 | 0.0 | 20.4 | 79.6 | 0.0 | |
| 37M | 06/15/2004 | 15:12 | 0.0 | 4.2 | 14.7 | 81.1 | 0.0 | |
| 37M | 06/22/2004 | 10:30 | 0.0 | 0.0 | 20.2 | 79.8 | 0.0 | |
| 37M | 06/29/2004 | 09:40 | 0.0 | 0.1 | 20.1 | 79.8 | 0.0 | |
| 38M | 04/01/2004 | 07:41 | 0.0 | 0.0 | 21.2 | 78.8 | 0.0 | |
| 38M | 04/06/2004 | 10:03 | 0.0 | 0.0 | 21.0 | 79.0 | 0.0 | |
| 38M | 04/14/2004 | 12:22 | 0.0 | 5.5 | 13.9 | 80.6 | 0.0 | |
| 38M | 04/20/2004 | 09:44 | 0.0 | 0.0 | 20.7 | 79.3 | 0.0 | |
| 38M | 04/27/2004 | 09:03 | 0.0 | 0.0 | 20.9 | 79.1 | 0.0 | |
| 38M | 05/04/2004 | 09:55 | 0.0 | 0.0 | 20.8 | 79.2 | 0.0 | |
| 38M | 05/11/2004 | 08:06 | 0.0 | 0.0 | 20.5 | 79.5 | 0.0 | |
| 38M | 05/18/2004 | 10:39 | 0.0 | 0.0 | 19.9 | 80.1 | 0.0 | |
| 38M | 05/25/2004 | 10:34 | 0.0 | 0.0 | 20.2 | 79.8 | 0.0 | |
| 38M | 06/02/2004 | 10:22 | 0.0 | 0.8 | 19.3 | 79.9 | 0.0 | |
| 38M | 06/08/2004 | 14:44 | 0.0 | 0.3 | 19.9 | 79.8 | 0.0 | |
| 38M | 06/15/2004 | 15:13 | 0.0 | 1.3 | 18.5 | 80.2 | 0.0 | |
| 38M | 06/22/2004 | 10:31 | 0.0 | 0.0 | 20.2 | 79.8 | 0.0 | |
| 38M | 06/29/2004 | 09:40 | 0.0 | 0.0 | 20.1 | 79.9 | 0.0 | |
| 39M | 04/01/2004 | 07:42 | 0.0 | 0.4 | 20.6 | 79.0 | 0.0 | |
| 39M | 04/06/2004 | 10:04 | 0.0 | 0.3 | 20.8 | 78.9 | 0.0 | |
| 39M | 04/14/2004 | 12:23 | 0.0 | 0.4 | 20.0 | 79.6 | 0.0 | |
| 39M | 04/20/2004 | 09:45 | 0.0 | 0.1 | 20.7 | 79.2 | 0.0 | |
| 39M | 04/27/2004 | 09:05 | 0.0 | 0.3 | 20.3 | 79.4 | 0.0 | |
| 39M | 05/04/2004 | 09:56 | 0.0 | 0.1 | 20.4 | 79.5 | 0.0 | |
| 39M | 05/11/2004 | 08:08 | 0.0 | 1.3 | 19.2 | 79.5 | 0.0 | |
| 39M | 05/18/2004 | 10:40 | 0.0 | 0.0 | 19.9 | 80.1 | 0.0 | |

# Hewitt Pit Probe Data - 04/1/2004 through 06/30/2004

| Name | Date | Time | Methane (% by vol) | Carbon Dioxide (% by vol) | Oxygen (% by vol) | Balance Gas (% by vol) | Static Press (Inch H2O) | Comments |
|---|---|---|---|---|---|---|---|---|
| 39M | 05/25/2004 | 10:35 | 0.0 | 0.1 | 20.1 | 79.8 | 0.0 | |
| 39M | 06/02/2004 | 10:23 | 0.0 | 0.2 | 20.2 | 79.6 | 0.0 | |
| 39M | 06/08/2004 | 14:46 | 0.0 | 0.6 | 19.4 | 80.0 | 0.0 | |
| 39M | 06/15/2004 | 15:14 | 0.0 | 0.8 | 19.1 | 80.1 | 0.0 | |
| 39M | 06/22/2004 | 10:32 | 0.0 | 0.3 | 19.9 | 79.8 | 0.0 | |
| 39M | 06/29/2004 | 09:41 | 0.0 | 0.2 | 20.1 | 79.7 | 0.0 | |
| 40M | 04/01/2004 | 07:43 | 0.0 | 0.4 | 20.9 | 78.7 | 0.0 | |
| 40M | 04/06/2004 | 10:05 | 0.0 | 0.4 | 20.8 | 78.8 | 0.0 | |
| 40M | 04/14/2004 | 14:25 | 0.0 | 0.2 | 20.5 | 79.3 | 0.0 | |
| 40M | 04/20/2004 | 09:46 | 0.0 | 0.3 | 20.4 | 79.3 | 0.0 | |
| 40M | 04/27/2004 | 09:06 | 0.0 | 0.2 | 20.4 | 79.4 | 0.0 | |
| 40M | 05/04/2004 | 09:57 | 0.0 | 0.2 | 20.4 | 79.4 | 0.0 | |
| 40M | 05/11/2004 | 08:10 | 0.0 | 0.3 | 20.4 | 79.3 | 0.1 | |
| 40M | 05/18/2004 | 10:42 | 0.0 | 0.3 | 19.6 | 80.1 | 0.0 | |
| 40M | 05/25/2004 | 10:37 | 0.0 | 0.3 | 20.1 | 79.6 | 0.0 | |
| 40M | 06/02/2004 | 10:25 | 0.0 | 0.2 | 20.1 | 79.7 | 0.0 | |
| 40M | 06/08/2004 | 14:47 | 0.0 | 0.3 | 20.0 | 79.7 | 0.0 | |
| 40M | 06/15/2004 | 15:15 | 0.0 | 0.2 | 20.0 | 79.8 | 0.0 | |
| 40M | 06/22/2004 | 10:33 | 0.0 | 0.2 | 20.0 | 79.8 | 0.0 | |
| 40M | 06/29/2004 | 09:42 | 0.0 | 0.2 | 20.1 | 79.7 | 0.0 | |
| 41M | 04/01/2004 | 07:44 | 0.0 | 0.0 | 21.1 | 78.9 | 0.0 | |
| 41M | 04/06/2004 | 10:06 | 0.0 | 0.0 | 21.0 | 79.0 | 0.0 | |
| 41M | 04/14/2004 | 14:26 | 0.0 | 0.2 | 20.5 | 79.3 | 0.0 | |
| 41M | 04/20/2004 | 09:47 | 0.0 | 0.0 | 20.7 | 79.3 | 0.0 | |
| 41M | 04/27/2004 | 09:07 | 0.0 | 0.0 | 20.7 | 79.3 | 0.0 | |
| 41M | 05/04/2004 | 09:58 | 0.0 | 0.0 | 20.7 | 79.3 | 0.0 | |
| 41M | 05/11/2004 | 08:12 | 0.0 | 0.0 | 20.5 | 79.5 | 0.0 | |
| 41M | 05/18/2004 | 10:43 | 0.0 | 0.0 | 19.9 | 80.1 | 0.0 | |
| 41M | 05/25/2004 | 10:38 | 0.0 | 0.0 | 20.1 | 79.9 | 0.0 | |
| 41M | 06/02/2004 | 10:27 | 0.0 | 0.0 | 20.3 | 79.7 | 0.0 | |
| 41M | 06/08/2004 | 14:48 | 0.0 | 0.3 | 19.9 | 79.8 | 0.0 | |
| 41M | 06/15/2004 | 15:19 | 0.0 | 0.8 | 19.2 | 80.0 | 0.0 | |
| 41M | 06/22/2004 | 10:34 | 0.0 | 0.0 | 20.2 | 79.8 | 0.0 | |
| 41M | 06/29/2004 | 09:43 | 0.0 | 0.0 | 20.1 | 79.9 | 0.0 | |
| 42M | 04/01/2004 | 07:45 | 0.0 | 0.0 | 21.1 | 78.9 | 0.0 | |
| 42M | 04/06/2004 | 10:07 | 0.0 | 0.0 | 21.0 | 79.0 | 0.0 | |
| 42M | 04/14/2004 | 14:27 | 0.0 | 0.4 | 20.1 | 79.5 | 0.0 | |
| 42M | 04/20/2004 | 09:48 | 0.0 | 0.0 | 20.8 | 79.2 | 0.0 | |
| 42M | 04/27/2004 | 09:08 | 0.0 | 0.4 | 20.1 | 79.5 | 0.0 | |
| 42M | 05/04/2004 | 09:59 | 0.0 | 0.0 | 20.8 | 79.2 | 0.0 | |
| 42M | 05/11/2004 | 08:13 | 0.0 | 0.0 | 20.5 | 79.5 | 0.0 | |
| 42M | 05/18/2004 | 10:44 | 0.0 | 0.0 | 19.9 | 80.1 | 0.0 | |

# Hewitt Pit Probe Data - 04/1/2004 through 06/30/2004

| Name | Date | Time | Methane (% by vol) | Carbon Dioxide (% by vol) | Oxygen (% by vol) | Balance Gas (% by vol) | Static Press (Inch H2O) | Comments |
|---|---|---|---|---|---|---|---|---|
| 42M | 05/25/2004 | 10:39 | 0.0 | 0.0 | 20.1 | 79.9 | 0.0 | |
| 42M | 06/02/2004 | 10:27 | 0.0 | 0.0 | 20.4 | 79.6 | 0.0 | |
| 42M | 06/08/2004 | 14:49 | 0.0 | 0.6 | 19.4 | 80.0 | 0.0 | |
| 42M | 06/15/2004 | 15:20 | 0.0 | 2.8 | 16.8 | 80.4 | 0.0 | |
| 42M | 06/22/2004 | 10:35 | 0.0 | 0.0 | 20.2 | 79.8 | 0.0 | |
| 42M | 06/29/2004 | 09:44 | 0.0 | 0.0 | 20.1 | 79.9 | 0.0 | |
| 43M | 04/01/2004 | 07:46 | 0.0 | 1.7 | 19.2 | 79.1 | 0.0 | |
| 43M | 04/06/2004 | 10:08 | 0.0 | 0.8 | 20.2 | 79.0 | 0.0 | |
| 43M | 04/14/2004 | 14:28 | 0.0 | 1.3 | 19.0 | 79.7 | 0.0 | |
| 43M | 04/20/2004 | 09:50 | 0.0 | 0.7 | 19.9 | 79.4 | 0.0 | |
| 43M | 04/27/2004 | 09:10 | 0.0 | 0.6 | 19.8 | 79.6 | 0.0 | |
| 43M | 05/04/2004 | 10:00 | 0.0 | 0.8 | 19.5 | 79.7 | 0.0 | |
| 43M | 05/11/2004 | 08:15 | 0.0 | 0.8 | 19.7 | 79.5 | 0.0 | |
| 43M | 05/18/2004 | 10:45 | 0.0 | 0.4 | 19.5 | 80.1 | 0.0 | |
| 43M | 05/25/2004 | 10:40 | 0.0 | 0.9 | 19.3 | 79.8 | 0.0 | |
| 43M | 06/02/2004 | 10:29 | 0.0 | 1.0 | 19.0 | 80.0 | 0.0 | |
| 43M | 06/08/2004 | 14:50 | 0.0 | 0.7 | 19.6 | 79.7 | 0.0 | |
| 43M | 06/15/2004 | 15:21 | 0.0 | 1.1 | 18.6 | 80.3 | 0.0 | |
| 43M | 06/22/2004 | 10:36 | 0.0 | 0.3 | 20.0 | 79.7 | 0.0 | |
| 43M | 06/29/2004 | 09:45 | 0.0 | 0.2 | 20.0 | 79.8 | 0.0 | |
| 44M | 04/01/2004 | 07:47 | 0.0 | 1.0 | 19.8 | 79.2 | 0.0 | |
| 44M | 04/06/2004 | 10:09 | 0.0 | 0.0 | 21.0 | 79.0 | 0.0 | |
| 44M | 04/14/2004 | 14:28 | 0.0 | 2.7 | 17.3 | 80.0 | 0.0 | |
| 44M | 04/20/2004 | 09:51 | 0.0 | 0.6 | 19.9 | 79.5 | 0.0 | |
| 44M | 04/27/2004 | 09:10 | 0.0 | 0.3 | 20.1 | 79.6 | 0.0 | |
| 44M | 05/04/2004 | 10:01 | 0.0 | 0.0 | 20.6 | 79.4 | 0.0 | |
| 44M | 05/11/2004 | 08:16 | 0.0 | 0.0 | 20.5 | 79.5 | 0.0 | |
| 44M | 05/18/2004 | 10:46 | 0.0 | 0.0 | 19.9 | 80.1 | 0.0 | |
| 44M | 05/25/2004 | 10:41 | 0.0 | 0.2 | 20.0 | 79.8 | 0.0 | |
| 44M | 06/02/2004 | 10:30 | 0.0 | 1.4 | 18.8 | 79.8 | 0.0 | |
| 44M | 06/08/2004 | 14:51 | 0.0 | 1.0 | 19.3 | 79.7 | 0.0 | |
| 44M | 06/15/2004 | 15:22 | 0.0 | 2.4 | 17.2 | 80.4 | 0.0 | |
| 44M | 06/22/2004 | 10:37 | 0.0 | 0.0 | 20.2 | 79.8 | 0.0 | |
| 44M | 06/29/2004 | 09:46 | 0.0 | 0.0 | 20.1 | 79.9 | 0.0 | |
| 45M | 04/01/2004 | 07:48 | 0.0 | 1.4 | 19.1 | 79.5 | 0.0 | |
| 45M | 04/06/2004 | 10:11 | 0.0 | 1.0 | 19.3 | 79.7 | 0.0 | |
| 45M | 04/14/2004 | 14:30 | 0.0 | 1.8 | 17.9 | 80.3 | 0.0 | |
| 45M | 04/20/2004 | 09:52 | 0.0 | 0.9 | 19.4 | 79.7 | 0.0 | |
| 45M | 04/27/2004 | 09:12 | 0.0 | 0.8 | 18.6 | 80.6 | 0.0 | |
| 45M | 05/04/2004 | 10:02 | 0.0 | 0.9 | 19.1 | 80.0 | 0.0 | |
| 45M | 05/11/2004 | 08:18 | 0.0 | 0.0 | 20.6 | 79.4 | 0.0 | |
| 45M | 05/18/2004 | 10:48 | 0.0 | 0.6 | 19.0 | 80.4 | 0.0 | |

# Hewitt Pit Probe Data - 04/1/2004 through 06/30/2004

| Name | Date | Time | Methane (% by vol) | Carbon Dioxide (% by vol) | Oxygen (% by vol) | Balance Gas (% by vol) | Static Press (Inch H2O) | Comments |
|---|---|---|---|---|---|---|---|---|
| 45M | 05/25/2004 | 10:44 | 0.0 | 0.3 | 19.9 | 79.8 | 0.0 | |
| 45M | 06/02/2004 | 10:32 | 0.0 | 2.2 | 17.8 | 80.0 | 0.0 | |
| 45M | 06/08/2004 | 14:51 | 0.0 | 0.2 | 20.3 | 79.5 | 0.0 | |
| 45M | 06/15/2004 | 15:23 | 0.0 | 3.0 | 16.8 | 80.2 | 0.0 | |
| 45M | 06/22/2004 | 10:39 | 0.0 | 1.6 | 18.4 | 80.0 | 0.0 | |
| 45M | 06/29/2004 | 09:47 | 0.0 | 1.9 | 18.0 | 80.1 | 0.0 | |
| 46M | 04/01/2004 | 07:49 | 0.0 | 0.0 | 20.9 | 79.1 | 0.0 | |
| 46M | 04/06/2004 | 10:12 | 0.0 | 0.0 | 20.8 | 79.2 | 0.0 | |
| 46M | 04/14/2004 | 14:31 | 0.0 | 2.2 | 17.9 | 79.9 | 0.0 | |
| 46M | 04/20/2004 | 09:53 | 0.0 | 0.0 | 20.5 | 79.5 | 0.0 | |
| 46M | 04/27/2004 | 09:13 | 0.0 | 0.0 | 20.6 | 79.4 | 0.0 | |
| 46M | 05/04/2004 | 10:03 | 0.0 | 0.0 | 20.5 | 79.5 | 0.0 | |
| 46M | 05/11/2004 | 08:19 | 0.0 | 0.0 | 20.6 | 79.4 | 0.0 | |
| 46M | 05/18/2004 | 10:49 | 0.0 | 0.0 | 19.9 | 80.1 | 0.0 | |
| 46M | 05/25/2004 | 10:45 | 0.0 | 0.0 | 20.1 | 79.9 | 0.0 | |
| 46M | 06/02/2004 | 10:34 | 0.0 | 0.0 | 20.3 | 79.7 | 0.0 | |
| 46M | 06/08/2004 | 14:52 | 0.0 | 0.0 | 20.4 | 79.6 | 0.0 | |
| 46M | 06/15/2004 | 15:24 | 0.0 | 1.9 | 17.4 | 80.7 | 0.0 | |
| 46M | 06/22/2004 | 10:40 | 0.0 | 0.0 | 20.1 | 79.9 | 0.0 | |
| 46M | 06/29/2004 | 09:48 | 0.0 | 0.1 | 20.1 | 79.8 | 0.0 | |
| 47M | 04/01/2004 | 07:50 | 0.0 | 0.0 | 21.1 | 78.9 | 0.0 | |
| 47M | 04/06/2004 | 10:13 | 0.0 | 0.0 | 21.0 | 79.0 | 0.0 | |
| 47M | 04/14/2004 | 14:31 | 0.0 | 0.5 | 20.0 | 79.5 | 0.0 | |
| 47M | 04/20/2004 | 09:54 | 0.0 | 0.0 | 20.7 | 79.3 | 0.0 | |
| 47M | 04/27/2004 | 09:14 | 0.0 | 0.0 | 20.8 | 79.2 | 0.0 | |
| 47M | 05/04/2004 | 10:04 | 0.0 | 0.0 | 20.7 | 79.3 | 0.0 | |
| 47M | 05/11/2004 | 08:20 | 0.0 | 0.0 | 20.6 | 79.4 | 0.0 | |
| 47M | 05/18/2004 | 10:49 | 0.0 | 0.0 | 19.9 | 80.1 | 0.0 | |
| 47M | 05/25/2004 | 10:46 | 0.0 | 0.0 | 20.1 | 79.9 | 0.0 | |
| 47M | 06/02/2004 | 10:36 | 0.0 | 0.0 | 20.3 | 79.7 | 0.0 | |
| 47M | 06/08/2004 | 14:53 | 0.0 | 0.0 | 20.5 | 79.5 | 0.0 | |
| 47M | 06/15/2004 | 15:25 | 0.0 | 0.3 | 19.8 | 79.9 | 0.0 | |
| 47M | 06/22/2004 | 10:41 | 0.0 | 0.0 | 20.2 | 79.8 | 0.0 | |
| 47M | 06/29/2004 | 09:49 | 0.0 | 0.0 | 20.1 | 79.9 | 0.0 | |
| 48M | 04/01/2004 | 07:51 | 0.0 | 1.0 | 19.8 | 79.2 | 0.0 | |
| 48M | 04/06/2004 | 10:14 | 0.0 | 0.9 | 19.9 | 79.2 | 0.0 | |
| 48M | 04/14/2004 | 14:32 | 0.0 | 1.4 | 19.1 | 79.5 | 0.0 | |
| 48M | 04/20/2004 | 09:55 | 0.0 | 0.9 | 19.8 | 79.3 | 0.0 | |
| 48M | 04/27/2004 | 09:15 | 0.0 | 0.4 | 20.2 | 79.4 | 0.0 | |
| 48M | 05/04/2004 | 10:05 | 0.0 | 0.4 | 20.0 | 79.6 | 0.0 | |
| 48M | 05/11/2004 | 08:23 | 0.0 | 0.7 | 19.9 | 79.4 | 0.0 | |
| 48M | 05/18/2004 | 10:51 | 0.0 | 0.2 | 19.7 | 80.1 | 0.0 | |

# Hewitt Pit Probe Data - 04/1/2004 through 06/30/2004

| Name | Date | Time | Methane (% by vol) | Carbon Dioxide (% by vol) | Oxygen (% by vol) | Balance Gas (% by vol) | Static Press (Inch H2O) | Comments |
|---|---|---|---|---|---|---|---|---|
| 48M | 05/25/2004 | 10:47 | 0.0 | 0.2 | 20.0 | 79.8 | 0.0 | |
| 48M | 06/02/2004 | 10:39 | 0.0 | 0.5 | 19.8 | 79.7 | 0.0 | |
| 48M | 06/08/2004 | 14:54 | 0.0 | 0.0 | 20.5 | 79.5 | 0.0 | |
| 48M | 06/15/2004 | 15:26 | 0.0 | 0.4 | 19.7 | 79.9 | 0.0 | |
| 48M | 06/22/2004 | 10:42 | 0.0 | 0.3 | 19.8 | 79.9 | 0.0 | |
| 48M | 06/29/2004 | 09:50 | 0.0 | 0.2 | 19.9 | 79.9 | 0.0 | |
| 49M | 04/01/2004 | 07:53 | 0.0 | 1.3 | 19.9 | 78.8 | 0.0 | |
| 49M | 04/06/2004 | 10:15 | 0.0 | 1.8 | 19.4 | 78.8 | 0.0 | |
| 49M | 04/14/2004 | 14:34 | 0.0 | 0.9 | 19.7 | 79.4 | 0.0 | |
| 49M | 04/20/2004 | 09:57 | 0.0 | 1.5 | 19.4 | 79.1 | 0.0 | |
| 49M | 04/27/2004 | 09:16 | 0.0 | 1.6 | 19.1 | 79.3 | 0.0 | |
| 49M | 05/04/2004 | 10:06 | 0.0 | 1.6 | 19.1 | 79.3 | 0.0 | |
| 49M | 05/11/2004 | 08:25 | 0.0 | 2.0 | 19.0 | 79.0 | 0.0 | |
| 49M | 05/18/2004 | 10:52 | 0.0 | 1.6 | 18.4 | 80.0 | 0.0 | |
| 49M | 05/25/2004 | 10:49 | 0.0 | 1.8 | 18.7 | 79.5 | 0.0 | |
| 49M | 06/02/2004 | 10:42 | 0.0 | 1.4 | 19.0 | 79.6 | 0.0 | |
| 49M | 06/08/2004 | 14:55 | 0.0 | 1.6 | 18.9 | 79.5 | 0.0 | |
| 49M | 06/15/2004 | 15:28 | 0.0 | 0.6 | 19.8 | 79.6 | 0.0 | |
| 49M | 06/22/2004 | 10:43 | 0.0 | 0.3 | 20.0 | 79.7 | 0.0 | |
| 49M | 06/29/2004 | 09:51 | 0.0 | 0.2 | 20.1 | 79.7 | 0.0 | |
| 50M | 04/01/2004 | 07:53 | 0.0 | 0.6 | 20.5 | 78.9 | 0.0 | |
| 50M | 04/06/2004 | 10:16 | 0.0 | 0.0 | 20.9 | 79.1 | 0.0 | |
| 50M | 04/14/2004 | 14:35 | 0.0 | 1.6 | 19.1 | 79.3 | 0.0 | |
| 50M | 04/20/2004 | 09:57 | 0.0 | 1.3 | 19.2 | 79.5 | 0.0 | |
| 50M | 04/27/2004 | 09:17 | 0.0 | 0.9 | 19.4 | 79.7 | 0.0 | |
| 50M | 05/04/2004 | 10:07 | 0.0 | 1.4 | 19.0 | 79.6 | 0.0 | |
| 50M | 05/11/2004 | 08:26 | 0.0 | 2.0 | 18.9 | 79.1 | 0.0 | |
| 50M | 05/18/2004 | 10:53 | 0.0 | 1.1 | 18.6 | 80.3 | 0.0 | |
| 50M | 05/25/2004 | 10:50 | 0.0 | 1.9 | 18.5 | 79.6 | 0.0 | |
| 50M | 06/02/2004 | 10:43 | 0.0 | 1.7 | 18.7 | 79.6 | 0.0 | |
| 50M | 06/08/2004 | 14:56 | 0.0 | 1.8 | 18.6 | 79.6 | 0.0 | |
| 50M | 06/15/2004 | 15:29 | 0.0 | 1.7 | 18.6 | 79.7 | 0.0 | |
| 50M | 06/22/2004 | 10:44 | 0.0 | 1.6 | 18.8 | 79.6 | 0.0 | |
| 50M | 06/29/2004 | 09:53 | 0.0 | 1.7 | 18.6 | 79.7 | 0.0 | |
| 51M | 04/01/2004 | 07:56 | 0.0 | 1.0 | 20.1 | 78.9 | 0.0 | |
| 51M | 04/06/2004 | 10:19 | 0.0 | 0.9 | 20.1 | 79.0 | 0.0 | |
| 51M | 04/14/2004 | 14:37 | 0.0 | 1.1 | 19.5 | 79.4 | 0.0 | |
| 51M | 04/20/2004 | 10:01 | 0.0 | 0.7 | 19.8 | 79.5 | 0.0 | |
| 51M | 04/27/2004 | 09:20 | 0.0 | 0.9 | 19.5 | 79.6 | 0.0 | |
| 51M | 05/04/2004 | 10:12 | 0.0 | 1.0 | 19.4 | 79.6 | 0.0 | |
| 51M | 05/11/2004 | 08:30 | 0.0 | 1.1 | 19.5 | 79.4 | 0.0 | |
| 51M | 05/18/2004 | 10:56 | 0.0 | 1.0 | 18.8 | 80.2 | 0.0 | |

# Hewitt Pit Probe Data - 04/1/2004 through 06/30/2004

| Name | Date | Time | Methane (% by vol) | Carbon Dioxide (% by vol) | Oxygen (% by vol) | Balance Gas (% by vol) | Static Press (Inch H2O) | Comments |
|---|---|---|---|---|---|---|---|---|
| 51M | 05/25/2004 | 10:53 | 0.0 | 1.1 | 19.2 | 79.7 | 0.0 | |
| 51M | 06/02/2004 | 10:46 | 0.0 | 0.9 | 19.2 | 79.9 | 0.0 | |
| 51M | 06/08/2004 | 14:57 | 0.0 | 0.0 | 20.3 | 79.7 | 0.0 | |
| 51M | 06/15/2004 | 15:32 | 0.0 | 0.8 | 19.3 | 79.9 | 0.0 | |
| 51M | 06/22/2004 | 10:47 | 0.0 | 0.9 | 19.3 | 79.8 | 0.0 | |
| 51M | 06/29/2004 | 09:55 | 0.0 | 0.8 | 19.5 | 79.7 | 0.0 | |
| 52M | 04/01/2004 | 07:57 | 0.0 | 0.3 | 20.8 | 78.9 | 0.0 | |
| 52M | 04/06/2004 | 10:19 | 0.0 | 0.4 | 20.7 | 78.9 | 0.0 | |
| 52M | 04/14/2004 | 14:38 | 0.0 | 0.9 | 19.5 | 79.6 | 0.0 | |
| 52M | 04/20/2004 | 10:02 | 0.0 | 0.0 | 20.5 | 79.5 | 0.0 | |
| 52M | 04/27/2004 | 09:21 | 0.0 | 0.0 | 20.5 | 79.5 | 0.0 | |
| 52M | 05/04/2004 | 10:13 | 0.0 | 0.0 | 20.5 | 79.5 | 0.0 | |
| 52M | 05/11/2004 | 08:31 | 0.0 | 1.3 | 19.2 | 79.5 | 0.0 | |
| 52M | 05/18/2004 | 10:56 | 0.0 | 0.0 | 19.8 | 80.2 | 0.0 | |
| 52M | 05/25/2004 | 10:54 | 0.0 | 1.3 | 18.9 | 79.8 | 0.0 | |
| 52M | 06/02/2004 | 10:47 | 0.0 | 0.9 | 19.2 | 79.9 | 0.0 | |
| 52M | 06/08/2004 | 14:59 | 0.0 | 0.4 | 19.8 | 79.8 | 0.0 | |
| 52M | 06/15/2004 | 15:33 | 0.0 | 0.9 | 19.2 | 79.9 | 0.0 | |
| 52M | 06/22/2004 | 10:48 | 0.0 | 1.0 | 19.1 | 79.9 | 0.0 | |
| 52M | 06/29/2004 | 09:56 | 0.0 | 1.1 | 18.9 | 80.0 | 0.0 | |
| 53M | 04/01/2004 | 07:59 | 0.0 | 0.4 | 20.8 | 78.8 | 0.0 | |
| 53M | 04/06/2004 | 10:22 | 0.0 | 0.3 | 20.8 | 78.9 | 0.0 | |
| 53M | 04/14/2004 | 14:40 | 0.0 | 0.3 | 20.3 | 79.4 | 0.0 | |
| 53M | 04/20/2004 | 10:04 | 0.0 | 0.0 | 20.6 | 79.4 | 0.0 | |
| 53M | 04/27/2004 | 09:24 | 0.0 | 0.0 | 20.5 | 79.5 | 0.0 | |
| 53M | 05/04/2004 | 10:16 | 0.0 | 0.0 | 20.4 | 79.6 | 0.0 | |
| 53M | 05/11/2004 | 08:34 | 0.0 | 0.6 | 20.0 | 79.4 | 0.0 | |
| 53M | 05/18/2004 | 10:58 | 0.0 | 0.0 | 19.7 | 80.3 | 0.0 | |
| 53M | 05/25/2004 | 10:57 | 0.0 | 0.2 | 20.0 | 79.8 | 0.0 | |
| 53M | 06/02/2004 | 10:52 | 0.0 | 1.0 | 19.1 | 79.9 | 0.0 | |
| 53M | 06/08/2004 | 15:00 | 0.0 | 0.0 | 20.3 | 79.7 | 0.0 | |
| 53M | 06/15/2004 | 15:36 | 0.0 | 0.7 | 19.4 | 79.9 | 0.0 | |
| 53M | 06/22/2004 | 10:50 | 0.0 | 0.3 | 19.8 | 79.9 | 0.0 | |
| 53M | 06/29/2004 | 09:58 | 0.0 | 0.2 | 20.0 | 79.8 | 0.0 | |
| 54M | 04/01/2004 | 08:02 | 0.0 | 0.0 | 21.2 | 78.8 | 0.0 | |
| 54M | 04/06/2004 | 10:23 | 0.0 | 0.0 | 21.0 | 79.0 | 0.0 | |
| 54M | 04/14/2004 | 14:41 | 0.0 | 1.3 | 18.8 | 79.9 | 0.0 | |
| 54M | 04/20/2004 | 10:06 | 0.0 | 0.0 | 20.7 | 79.3 | 0.0 | |
| 54M | 04/27/2004 | 09:25 | 0.0 | 0.0 | 20.7 | 79.3 | 0.0 | |
| 54M | 05/04/2004 | 10:17 | 0.0 | 0.0 | 20.6 | 79.4 | 0.0 | |
| 54M | 05/11/2004 | 08:37 | 0.0 | 0.0 | 20.5 | 79.5 | 0.0 | |
| 54M | 05/18/2004 | 11:00 | 0.0 | 0.0 | 19.9 | 80.1 | 0.0 | |

# Hewitt Pit Probe Data - 04/1/2004 through 06/30/2004

| Name | Date | Time | Methane (% by vol) | Carbon Dioxide (% by vol) | Oxygen (% by vol) | Balance Gas (% by vol) | Static Press (Inch H2O) | Comments |
|---|---|---|---|---|---|---|---|---|
| 54M | 05/25/2004 | 10:59 | 0.0 | 0.0 | 20.1 | 79.9 | 0.0 | |
| 54M | 06/02/2004 | 10:54 | 0.0 | 0.0 | 20.3 | 79.7 | 0.0 | |
| 54M | 06/08/2004 | 15:02 | 0.0 | 0.0 | 20.5 | 79.5 | 0.0 | |
| 54M | 06/15/2004 | 15:37 | 0.0 | 1.0 | 18.8 | 80.2 | 0.0 | |
| 54M | 06/22/2004 | 10:52 | 0.0 | 0.0 | 20.2 | 79.8 | 0.0 | |
| 54M | 06/29/2004 | 09:59 | 0.0 | 0.0 | 20.0 | 80.0 | 0.1 | |
| 55M | 04/01/2004 | 08:03 | 0.0 | 0.3 | 20.9 | 78.8 | 0.0 | |
| 55M | 04/06/2004 | 10:25 | 0.0 | 0.2 | 20.8 | 79.0 | 0.0 | |
| 55M | 04/14/2004 | 14:43 | 0.0 | 0.8 | 19.7 | 79.5 | 0.0 | |
| 55M | 04/20/2004 | 10:08 | 0.0 | 0.0 | 20.7 | 79.3 | 0.0 | |
| 55M | 04/27/2004 | 09:27 | 0.0 | 0.0 | 20.7 | 79.3 | 0.0 | |
| 55M | 05/04/2004 | 10:20 | 0.0 | 0.0 | 20.6 | 79.4 | 0.0 | |
| 55M | 05/11/2004 | 08:41 | 0.0 | 0.0 | 20.6 | 79.4 | 0.0 | |
| 55M | 05/18/2004 | 11:01 | 0.0 | 0.0 | 19.9 | 80.1 | 0.0 | |
| 55M | 05/25/2004 | 11:03 | 0.0 | 0.0 | 20.1 | 79.9 | 0.0 | |
| 55M | 06/02/2004 | 10:57 | 0.0 | 0.0 | 20.4 | 79.6 | 0.0 | |
| 55M | 06/08/2004 | 15:03 | 0.0 | 0.0 | 20.5 | 79.5 | 0.0 | |
| 55M | 06/15/2004 | 15:39 | 0.0 | 0.7 | 19.0 | 80.3 | 0.0 | |
| 55M | 06/22/2004 | 10:53 | 0.0 | 0.3 | 19.8 | 79.9 | 0.0 | |
| 55M | 06/29/2004 | 10:01 | 0.0 | 0.1 | 20.1 | 79.8 | 0.0 | |
| 56M | 04/01/2004 | 08:05 | 0.0 | 0.0 | 21.1 | 78.9 | 0.0 | |
| 56M | 04/06/2004 | 10:27 | 0.0 | 0.0 | 21.0 | 79.0 | 0.0 | |
| 56M | 04/14/2004 | 14:44 | 0.0 | 0.2 | 20.5 | 79.3 | 0.0 | |
| 56M | 04/20/2004 | 10:09 | 0.0 | 0.0 | 20.7 | 79.3 | 0.0 | |
| 56M | 04/27/2004 | 09:29 | 0.0 | 0.0 | 20.7 | 79.3 | 0.0 | |
| 56M | 05/04/2004 | 10:22 | 0.0 | 0.0 | 20.5 | 79.5 | 0.0 | |
| 56M | 05/11/2004 | 08:43 | 0.0 | 0.0 | 20.5 | 79.5 | 0.0 | |
| 56M | 05/18/2004 | 11:03 | 0.0 | 0.0 | 19.8 | 80.2 | 0.0 | |
| 56M | 05/25/2004 | 11:05 | 0.0 | 0.0 | 20.2 | 79.8 | 0.0 | |
| 56M | 06/02/2004 | 10:59 | 0.0 | 0.0 | 20.4 | 79.6 | 0.0 | |
| 56M | 06/08/2004 | 15:05 | 0.0 | 0.0 | 20.5 | 79.5 | 0.0 | |
| 56M | 06/15/2004 | 15:40 | 0.0 | 0.6 | 19.4 | 80.0 | 0.0 | |
| 56M | 06/22/2004 | 10:55 | 0.0 | 0.3 | 19.8 | 79.9 | 0.0 | |
| 56M | 06/29/2004 | 10:04 | 0.0 | 0.0 | 20.0 | 80.0 | 0.0 | |
| 57M | 04/01/2004 | 08:06 | 0.0 | 0.0 | 21.1 | 78.9 | 0.0 | |
| 57M | 04/06/2004 | 10:29 | 0.0 | 0.3 | 20.8 | 78.9 | 0.0 | |
| 57M | 04/14/2004 | 14:46 | 0.0 | 0.3 | 20.3 | 79.4 | 0.0 | |
| 57M | 04/20/2004 | 10:11 | 0.0 | 0.1 | 20.6 | 79.3 | 0.0 | |
| 57M | 04/27/2004 | 09:30 | 0.0 | 0.0 | 20.5 | 79.5 | 0.0 | |
| 57M | 05/04/2004 | 10:24 | 0.0 | 0.0 | 20.6 | 79.4 | 0.0 | |
| 57M | 05/11/2004 | 08:45 | 0.0 | 0.0 | 20.6 | 79.4 | 0.0 | |
| 57M | 05/18/2004 | 11:05 | 0.0 | 0.0 | 19.9 | 80.1 | 0.0 | |

# Hewitt Pit Probe Data - 04/1/2004 through 06/30/2004

| Name | Date | Time | Methane (% by vol) | Carbon Dioxide (% by vol) | Oxygen (% by vol) | Balance Gas (% by vol) | Static Press (Inch H2O) | Comments |
|---|---|---|---|---|---|---|---|---|
| 57M | 05/25/2004 | 11:07 | 0.0 | 0.0 | 20.2 | 79.8 | 0.0 | |
| 57M | 06/02/2004 | 11:01 | 0.0 | 0.0 | 20.4 | 79.6 | 0.0 | |
| 57M | 06/08/2004 | 15:06 | 0.0 | 0.0 | 20.6 | 79.4 | 0.0 | |
| 57M | 06/15/2004 | 15:42 | 0.0 | 1.6 | 18.7 | 79.7 | 0.0 | |
| 57M | 06/22/2004 | 10:56 | 0.0 | 0.0 | 20.3 | 79.7 | 0.0 | |
| 57M | 06/29/2004 | 10:05 | 0.0 | 0.0 | 20.1 | 79.9 | 0.0 | |
| 58M | 04/01/2004 | 08:08 | 0.0 | 0.2 | 20.9 | 78.9 | 0.0 | |
| 58M | 04/06/2004 | 10:30 | 0.0 | 0.0 | 21.0 | 79.0 | 0.0 | |
| 58M | 04/14/2004 | 14:47 | 0.0 | 0.3 | 20.3 | 79.4 | 0.0 | |
| 58M | 04/20/2004 | 10:12 | 0.0 | 0.0 | 20.7 | 79.3 | 0.0 | |
| 58M | 04/27/2004 | 09:31 | 0.0 | 0.0 | 20.7 | 79.3 | 0.0 | |
| 58M | 05/04/2004 | 10:25 | 0.0 | 0.0 | 20.6 | 79.4 | 0.0 | |
| 58M | 05/11/2004 | 08:47 | 0.0 | 0.0 | 20.7 | 79.3 | 0.0 | |
| 58M | 05/18/2004 | 11:06 | 0.0 | 0.0 | 19.9 | 80.1 | 0.0 | |
| 58M | 05/25/2004 | 11:09 | 0.0 | 0.0 | 20.2 | 79.8 | 0.0 | |
| 58M | 06/02/2004 | 11:02 | 0.0 | 0.0 | 20.5 | 79.5 | 0.0 | |
| 58M | 06/08/2004 | 15:07 | 0.0 | 0.0 | 20.6 | 79.4 | 0.0 | |
| 58M | 06/15/2004 | 15:45 | 0.0 | 1.3 | 18.9 | 79.8 | 0.0 | |
| 58M | 06/22/2004 | 10:57 | 0.0 | 0.0 | 20.3 | 79.7 | 0.0 | |
| 58M | 06/29/2004 | 10:06 | 0.0 | 0.0 | 20.1 | 79.9 | 0.0 | |
| 59M | 04/01/2004 | 08:09 | 0.0 | 0.4 | 20.7 | 78.9 | 0.0 | |
| 59M | 04/06/2004 | 10:32 | 0.0 | 0.0 | 21.0 | 79.0 | 0.0 | |
| 59M | 04/14/2004 | 14:49 | 0.0 | 0.2 | 20.5 | 79.3 | 0.0 | |
| 59M | 04/20/2004 | 10:14 | 0.0 | 0.0 | 20.7 | 79.3 | 0.0 | |
| 59M | 04/27/2004 | 09:33 | 0.0 | 0.0 | 20.7 | 79.3 | 0.0 | |
| 59M | 05/04/2004 | 10:26 | 0.0 | 0.0 | 20.6 | 79.4 | 0.0 | |
| 59M | 05/11/2004 | 08:49 | 0.0 | 0.0 | 20.6 | 79.4 | 0.0 | |
| 59M | 05/18/2004 | 11:08 | 0.0 | 0.0 | 19.9 | 80.1 | 0.0 | |
| 59M | 05/25/2004 | 11:11 | 0.0 | 0.0 | 20.2 | 79.8 | 0.0 | |
| 59M | 06/02/2004 | 11:04 | 0.0 | 0.0 | 20.4 | 79.6 | 0.0 | |
| 59M | 06/08/2004 | 15:09 | 0.0 | 0.1 | 20.4 | 79.5 | 0.0 | |
| 59M | 06/15/2004 | 15:47 | 0.0 | 0.6 | 19.7 | 79.7 | 0.0 | |
| 59M | 06/22/2004 | 10:58 | 0.0 | 0.0 | 20.3 | 79.7 | 0.0 | |
| 59M | 06/29/2004 | 10:08 | 0.0 | 0.0 | 20.1 | 79.9 | 0.0 | |
| 60M | 04/01/2004 | 08:10 | 0.0 | 0.0 | 21.0 | 79.0 | 0.0 | |
| 60M | 04/06/2004 | 10:33 | 0.0 | 0.5 | 20.6 | 78.9 | 0.0 | |
| 60M | 04/14/2004 | 14:50 | 0.0 | 1.3 | 19.4 | 79.3 | 0.0 | |
| 60M | 04/20/2004 | 10:15 | 0.0 | 0.7 | 19.9 | 79.4 | 0.0 | |
| 60M | 04/27/2004 | 09:34 | 0.0 | 0.2 | 20.3 | 79.5 | 0.0 | |
| 60M | 05/04/2004 | 10:30 | 0.0 | 0.4 | 20.0 | 79.6 | 0.0 | |
| 60M | 05/11/2004 | 08:51 | 0.0 | 0.1 | 20.6 | 79.3 | 0.0 | |
| 60M | 05/18/2004 | 11:09 | 0.0 | 0.4 | 19.5 | 80.1 | 0.0 | |

# Hewitt Pit Probe Data - 04/1/2004 through 06/30/2004

| Name | Date | Time | Methane (% by vol) | Carbon Dioxide (% by vol) | Oxygen (% by vol) | Balance Gas (% by vol) | Static Press (Inch H2O) | Comments |
|---|---|---|---|---|---|---|---|---|
| 60M | 05/25/2004 | 11:13 | 0.0 | 0.1 | 20.1 | 79.8 | 0.0 | |
| 60M | 06/02/2004 | 11:05 | 0.0 | 0.0 | 20.5 | 79.5 | 0.0 | |
| 60M | 06/08/2004 | 15:10 | 0.0 | 0.6 | 19.9 | 79.5 | 0.0 | |
| 60M | 06/15/2004 | 15:49 | 0.0 | 1.4 | 19.0 | 79.6 | 0.0 | |
| 60M | 06/22/2004 | 11:00 | 0.0 | 0.2 | 20.1 | 79.7 | 0.0 | |
| 60M | 06/29/2004 | 10:09 | 0.0 | 0.2 | 20.0 | 79.8 | 0.0 | |
| 61M | 04/01/2004 | 08:12 | 0.0 | 0.8 | 20.2 | 79.0 | 0.0 | |
| 61M | 04/06/2004 | 10:35 | 0.0 | 0.7 | 20.1 | 79.2 | 0.0 | |
| 61M | 04/14/2004 | 14:52 | 0.0 | 0.6 | 19.8 | 79.6 | 0.0 | |
| 61M | 04/20/2004 | 10:17 | 0.0 | 0.4 | 19.9 | 79.7 | 0.0 | |
| 61M | 04/27/2004 | 09:36 | 0.0 | 0.1 | 20.2 | 79.7 | 0.0 | |
| 61M | 05/04/2004 | 10:31 | 0.0 | 0.3 | 20.0 | 79.7 | 0.0 | |
| 61M | 05/11/2004 | 08:53 | 0.0 | 0.7 | 20.1 | 79.2 | 0.0 | |
| 61M | 05/18/2004 | 11:11 | 0.0 | 0.2 | 19.5 | 80.3 | 0.0 | |
| 61M | 05/25/2004 | 11:15 | 0.0 | 0.4 | 19.9 | 79.7 | 0.0 | |
| 61M | 06/02/2004 | 11:08 | 0.0 | 0.2 | 20.1 | 79.7 | 0.0 | |
| 61M | 06/08/2004 | 15:11 | 0.0 | 0.0 | 20.5 | 79.5 | 0.0 | |
| 61M | 06/15/2004 | 15:50 | 0.0 | 0.2 | 20.0 | 79.8 | 0.0 | |
| 61M | 06/22/2004 | 11:01 | 0.0 | 0.0 | 20.3 | 79.7 | 0.0 | |
| 61M | 06/29/2004 | 10:11 | 0.0 | 0.2 | 20.0 | 79.8 | 0.0 | |
| 62M | 04/01/2004 | 08:13 | 0.0 | 3.7 | 17.8 | 78.5 | 0.0 | |
| 62M | 04/06/2004 | 10:36 | 0.0 | 4.0 | 17.1 | 78.9 | 0.0 | |
| 62M | 04/14/2004 | 14:53 | 0.0 | 4.4 | 16.0 | 79.6 | 0.0 | |
| 62M | 04/20/2004 | 10:19 | 0.0 | 4.6 | 15.8 | 79.6 | 0.0 | |
| 62M | 04/27/2004 | 09:37 | 0.0 | 3.7 | 16.8 | 79.5 | 0.0 | |
| 62M | 05/04/2004 | 10:32 | 0.0 | 2.5 | 17.5 | 80.0 | 0.0 | |
| 62M | 05/11/2004 | 08:56 | 0.0 | 3.1 | 17.9 | 79.0 | 0.0 | |
| 62M | 05/18/2004 | 11:12 | 0.0 | 2.4 | 17.8 | 79.8 | 0.0 | |
| 62M | 05/25/2004 | 11:16 | 0.0 | 2.5 | 18.4 | 79.1 | 0.0 | |
| 62M | 06/02/2004 | 11:10 | 0.0 | 2.1 | 18.7 | 79.2 | 0.0 | |
| 62M | 06/08/2004 | 15:12 | 0.0 | 1.8 | 19.1 | 79.1 | 0.0 | |
| 62M | 06/15/2004 | 15:51 | 0.0 | 0.0 | 20.3 | 79.7 | 0.0 | |
| 62M | 06/22/2004 | 11:02 | 0.0 | 1.8 | 18.9 | 79.3 | 0.0 | |
| 62M | 06/29/2004 | 10:12 | 0.0 | 1.9 | 18.8 | 79.3 | 0.0 | |
| 63M | 04/01/2004 | 08:15 | 0.0 | 2.1 | 18.2 | 79.7 | 0.0 | |
| 63M | 04/06/2004 | 10:38 | 0.0 | 1.4 | 19.3 | 79.3 | 0.0 | |
| 63M | 04/14/2004 | 14:55 | 0.0 | 1.1 | 19.0 | 79.9 | 0.0 | |
| 63M | 04/20/2004 | 10:21 | 0.0 | 0.8 | 19.4 | 79.8 | 0.0 | |
| 63M | 04/27/2004 | 09:39 | 0.0 | 0.3 | 19.9 | 79.8 | 0.0 | |
| 63M | 05/04/2004 | 10:20 | 0.0 | 0.7 | 20.7 | 78.6 | 0.0 | |
| 63M | 05/11/2004 | 08:59 | 0.0 | 0.4 | 19.9 | 79.7 | 0.0 | |
| 63M | 05/18/2004 | 11:14 | 0.0 | 0.0 | 19.8 | 80.2 | 0.0 | |

# Hewitt Pit Probe Data - 04/1/2004 through 06/30/2004

| Name | Date | Time | Methane (% by vol) | Carbon Dioxide (% by vol) | Oxygen (% by vol) | Balance Gas (% by vol) | Static Press (Inch H2O) | Comments |
|---|---|---|---|---|---|---|---|---|
| 63M | 05/25/2004 | 11:18 | 0.0 | 0.0 | 20.1 | 79.9 | 0.0 | |
| 63M | 06/02/2004 | 11:12 | 0.0 | 0.4 | 19.8 | 79.8 | 0.0 | |
| 63M | 06/08/2004 | 15:12 | 0.0 | 0.4 | 20.2 | 79.4 | 0.0 | |
| 63M | 06/15/2004 | 15:53 | 0.0 | 0.0 | 20.3 | 79.7 | 0.0 | |
| 63M | 06/22/2004 | 11:03 | 0.0 | 0.0 | 20.3 | 79.7 | 0.0 | |
| 63M | 06/29/2004 | 10:14 | 0.0 | 0.2 | 19.8 | 80.0 | 0.0 | |
| 64M | 04/01/2004 | 08:17 | 0.0 | 1.0 | 20.0 | 79.0 | 0.0 | |
| 64M | 04/06/2004 | 10:40 | 0.0 | 1.0 | 20.1 | 78.9 | 0.0 | |
| 64M | 04/14/2004 | 14:56 | 0.0 | 1.1 | 19.6 | 79.3 | 0.0 | |
| 64M | 04/20/2004 | 10:22 | 0.0 | 1.4 | 19.4 | 79.2 | 0.0 | |
| 64M | 04/27/2004 | 09:41 | 0.0 | 0.0 | 20.4 | 79.6 | 0.0 | |
| 64M | 05/04/2004 | 10:24 | 0.0 | 1.6 | 19.6 | 78.8 | 0.0 | |
| 64M | 05/11/2004 | 09:02 | 0.0 | 2.4 | 18.8 | 78.8 | 0.1 | |
| 64M | 05/18/2004 | 11:15 | 0.0 | 1.1 | 18.7 | 80.2 | 0.0 | |
| 64M | 05/25/2004 | 11:20 | 0.0 | 0.5 | 19.7 | 79.8 | 0.0 | |
| 64M | 06/02/2004 | 11:14 | 0.0 | 1.0 | 19.6 | 79.4 | 0.0 | |
| 64M | 06/08/2004 | 15:13 | 0.0 | 0.0 | 20.5 | 79.5 | 0.0 | |
| 64M | 06/15/2004 | 15:55 | 0.0 | 0.0 | 20.5 | 79.5 | 0.0 | |
| 64M | 06/22/2004 | 11:04 | 0.0 | 0.0 | 20.2 | 79.8 | 0.0 | |
| 64M | 06/29/2004 | 10:16 | 0.0 | 0.0 | 20.1 | 79.9 | 0.0 | |
| 65M | 04/01/2004 | 07:24 | 0.0 | 2.6 | 20.0 | 77.4 | 0.0 | |
| 65M | 04/06/2004 | 10:42 | 0.0 | 0.1 | 20.8 | 79.1 | 0.0 | |
| 65M | 04/14/2004 | 14:58 | 0.0 | 1.1 | 19.0 | 79.9 | 0.0 | |
| 65M | 04/20/2004 | 10:57 | 0.0 | 0.7 | 19.9 | 79.4 | 0.0 | |
| 65M | 04/27/2004 | 09:42 | 0.0 | 0.6 | 19.7 | 79.7 | 0.0 | |
| 65M | 05/04/2004 | 10:27 | 0.0 | 0.5 | 20.6 | 78.9 | 0.0 | |
| 65M | 05/11/2004 | 09:10 | 0.0 | 0.2 | 20.5 | 79.3 | 0.0 | |
| 65M | 05/18/2004 | 11:17 | 0.0 | 0.0 | 19.5 | 80.5 | 0.0 | |
| 65M | 05/25/2004 | 11:22 | 0.0 | 0.1 | 20.1 | 79.8 | 0.0 | |
| 65M | 06/02/2004 | 11:16 | 0.0 | 0.0 | 20.2 | 79.8 | 0.0 | |
| 65M | 06/08/2004 | 15:16 | 0.0 | 0.0 | 20.3 | 79.7 | 0.0 | |
| 65M | 06/15/2004 | 15:57 | 0.0 | 0.0 | 20.1 | 79.9 | 0.0 | |
| 65M | 06/22/2004 | 11:05 | 0.0 | 0.0 | 20.4 | 79.6 | 0.1 | |
| 65M | 06/29/2004 | 10:18 | 0.0 | 0.1 | 20.0 | 79.9 | 0.0 | |
| 66M | 04/01/2004 | 07:27 | 0.0 | 0.9 | 20.1 | 79.0 | 0.0 | |
| 66M | 04/06/2004 | 10:44 | 0.0 | 0.4 | 20.7 | 78.9 | 0.0 | |
| 66M | 04/14/2004 | 14:59 | 0.0 | 0.1 | 20.5 | 79.4 | 0.0 | |
| 66M | 04/20/2004 | 10:59 | 0.0 | 0.1 | 20.3 | 79.6 | 0.0 | |
| 66M | 04/27/2004 | 09:44 | 0.0 | 0.0 | 20.1 | 79.9 | 0.0 | |
| 66M | 05/04/2004 | 10:29 | 0.0 | 0.2 | 21.0 | 78.8 | 0.0 | |
| 66M | 05/11/2004 | 09:12 | 0.0 | 0.1 | 20.5 | 79.4 | 0.0 | |
| 66M | 05/18/2004 | 11:19 | 0.0 | 0.0 | 19.5 | 80.5 | 0.0 | |

# Hewitt Pit Probe Data - 04/1/2004 through 06/30/2004

| Name | Date | Time | Methane (% by vol) | Carbon Dioxide (% by vol) | Oxygen (% by vol) | Balance Gas (% by vol) | Static Press (Inch H2O) | Comments |
|---|---|---|---|---|---|---|---|---|
| 66M | 05/25/2004 | 11:23 | 0.0 | 0.1 | 20.1 | 79.8 | 0.0 | |
| 66M | 06/02/2004 | 11:17 | 0.0 | 0.0 | 20.3 | 79.7 | 0.0 | |
| 66M | 06/08/2004 | 15:17 | 0.0 | 0.1 | 20.2 | 79.7 | 0.0 | |
| 66M | 06/15/2004 | 15:58 | 0.0 | 0.1 | 20.2 | 79.7 | 0.0 | |
| 66M | 06/22/2004 | 11:06 | 0.0 | 0.1 | 20.2 | 79.7 | 0.1 | |
| 66M | 06/29/2004 | 10:19 | 0.0 | 0.1 | 20.0 | 79.9 | 0.0 | |
| 67M | 04/01/2004 | 07:29 | 0.0 | 0.3 | 20.7 | 79.0 | 0.0 | |
| 67M | 04/06/2004 | 10:46 | 0.0 | 0.1 | 20.8 | 79.1 | 0.0 | |
| 67M | 04/14/2004 | 15:01 | 0.0 | 0.1 | 20.4 | 79.5 | 0.0 | |
| 67M | 04/20/2004 | 11:02 | 0.0 | 0.0 | 20.4 | 79.6 | 0.0 | |
| 67M | 04/27/2004 | 09:46 | 0.0 | 0.0 | 20.2 | 79.8 | 0.0 | |
| 67M | 05/04/2004 | 10:31 | 0.0 | 0.0 | 21.6 | 78.4 | 0.0 | |
| 67M | 05/11/2004 | 09:15 | 0.0 | 0.1 | 20.6 | 79.3 | 0.0 | |
| 67M | 05/18/2004 | 11:21 | 0.0 | 0.0 | 19.7 | 80.3 | 0.0 | |
| 67M | 05/25/2004 | 11:27 | 0.0 | 0.0 | 20.1 | 79.9 | 0.0 | |
| 67M | 06/02/2004 | 11:20 | 0.0 | 0.0 | 20.4 | 79.6 | 0.0 | |
| 67M | 06/08/2004 | 15:20 | 0.0 | 0.0 | 20.5 | 79.5 | 0.0 | |
| 67M | 06/15/2004 | 15:59 | 0.0 | 0.0 | 20.4 | 79.6 | 0.0 | |
| 67M | 06/22/2004 | 11:09 | 0.0 | 0.0 | 20.2 | 79.8 | 0.0 | |
| 67M | 06/29/2004 | 10:21 | 0.0 | 0.1 | 20.1 | 79.8 | 0.0 | |
| 68M | 04/01/2004 | 07:31 | 0.0 | 0.2 | 20.8 | 79.0 | 0.0 | |
| 68M | 04/06/2004 | 10:48 | 0.0 | 0.0 | 20.9 | 79.1 | 0.0 | |
| 68M | 04/14/2004 | 15:02 | 0.0 | 0.9 | 19.8 | 79.3 | 0.0 | |
| 68M | 04/20/2004 | 11:03 | 0.0 | 0.0 | 20.4 | 79.6 | 0.0 | |
| 68M | 04/27/2004 | 09:47 | 0.0 | 0.0 | 20.4 | 79.6 | 0.0 | |
| 68M | 05/04/2004 | 10:32 | 0.0 | 0.0 | 21.5 | 78.5 | 0.0 | |
| 68M | 05/11/2004 | 09:17 | 0.0 | 0.0 | 20.6 | 79.4 | 0.0 | |
| 68M | 05/18/2004 | 11:22 | 0.0 | 0.0 | 19.7 | 80.3 | 0.0 | |
| 68M | 05/25/2004 | 11:28 | 0.0 | 0.0 | 20.1 | 79.9 | 0.0 | |
| 68M | 06/02/2004 | 11:21 | 0.0 | 0.0 | 20.3 | 79.7 | 0.0 | |
| 68M | 06/08/2004 | 15:21 | 0.0 | 0.0 | 20.3 | 79.7 | 0.0 | |
| 68M | 06/15/2004 | 16:02 | 0.0 | 0.0 | 20.5 | 79.5 | 0.0 | |
| 68M | 06/22/2004 | 11:10 | 0.0 | 0.0 | 20.1 | 79.9 | 0.0 | |
| 68M | 06/29/2004 | 10:22 | 0.0 | 0.0 | 20.1 | 79.9 | 0.0 | |
| 69M | 04/01/2004 | 07:33 | 0.0 | 0.2 | 20.6 | 79.2 | 0.0 | |
| 69M | 04/06/2004 | 08:44 | 0.0 | 0.2 | 20.7 | 79.1 | 0.0 | |
| 69M | 04/14/2004 | 15:04 | 0.0 | 0.4 | 20.1 | 79.5 | 0.0 | |
| 69M | 04/20/2004 | 08:16 | 0.0 | 0.0 | 20.3 | 79.7 | 0.0 | |
| 69M | 04/27/2004 | 07:49 | 0.0 | 0.0 | 20.6 | 79.4 | 0.0 | |
| 69M | 05/04/2004 | 09:10 | 0.0 | 0.1 | 20.6 | 79.3 | 0.0 | |
| 69M | 05/11/2004 | 09:19 | 0.0 | 0.1 | 20.6 | 79.3 | 0.0 | |
| 69M | 05/18/2004 | 09:04 | 0.0 | 0.1 | 19.4 | 80.5 | 0.0 | |

# Hewitt Pit Probe Data - 04/1/2004 through 06/30/2004

| Name | Date | Time | Methane (% by vol) | Carbon Dioxide (% by vol) | Oxygen (% by vol) | Balance Gas (% by vol) | Static Press (Inch H2O) | Comments |
|---|---|---|---|---|---|---|---|---|
| 69M | 05/25/2004 | 08:51 | 0.0 | 0.3 | 19.8 | 79.9 | 0.0 | |
| 69M | 06/02/2004 | 08:39 | 0.0 | 0.3 | 19.7 | 80.0 | 0.0 | |
| 69M | 06/08/2004 | 13:32 | 0.0 | 0.3 | 19.8 | 79.9 | 0.0 | |
| 69M | 06/15/2004 | 16:03 | 0.0 | 0.4 | 19.5 | 80.1 | 0.0 | |
| 69M | 06/22/2004 | 11:12 | 0.0 | 0.1 | 20.1 | 79.8 | 0.0 | |
| 69M | 06/29/2004 | 08:27 | 0.0 | 0.2 | 19.8 | 80.0 | 0.0 | |
| 70M | 04/01/2004 | 07:35 | 0.0 | 0.5 | 19.5 | 80.0 | 0.0 | |
| 70M | 04/06/2004 | 08:46 | 0.0 | 0.7 | 19.9 | 79.4 | 0.0 | |
| 70M | 04/14/2004 | 15:06 | 0.0 | 0.2 | 20.5 | 79.3 | 0.0 | |
| 70M | 04/20/2004 | 08:18 | 0.0 | 0.2 | 20.3 | 79.5 | 0.0 | |
| 70M | 04/27/2004 | 07:51 | 0.0 | 0.2 | 20.4 | 79.4 | 0.0 | |
| 70M | 05/04/2004 | 09:12 | 0.0 | 0.3 | 20.3 | 79.4 | 0.0 | |
| 70M | 05/11/2004 | 09:22 | 0.0 | 0.5 | 19.9 | 79.6 | 0.0 | |
| 70M | 05/18/2004 | 09:06 | 0.0 | 0.2 | 19.5 | 80.3 | 0.0 | |
| 70M | 05/25/2004 | 08:54 | 0.0 | 0.6 | 19.6 | 79.8 | 0.0 | |
| 70M | 06/02/2004 | 08:41 | 0.0 | 0.6 | 19.2 | 80.2 | 0.0 | |
| 70M | 06/08/2004 | 13:35 | 0.0 | 0.3 | 19.7 | 80.0 | 0.0 | |
| 70M | 06/15/2004 | 16:04 | 0.0 | 0.2 | 19.8 | 80.0 | -0.1 | |
| 70M | 06/22/2004 | 09:10 | 0.0 | 0.3 | 19.7 | 80.0 | 0.0 | |
| 70M | 06/29/2004 | 08:29 | 0.0 | 0.3 | 19.6 | 80.1 | 0.0 | |
| 71M | 04/01/2004 | 07:38 | 0.0 | 0.2 | 20.6 | 79.2 | 0.0 | |
| 71M | 04/06/2004 | 08:48 | 0.0 | 0.0 | 20.8 | 79.2 | 0.0 | |
| 71M | 04/14/2004 | 15:09 | 0.0 | 0.0 | 20.9 | 79.1 | 0.0 | |
| 71M | 04/20/2004 | 08:20 | 0.0 | 0.0 | 20.3 | 79.7 | 0.0 | |
| 71M | 04/27/2004 | 07:53 | 0.0 | 0.0 | 20.5 | 79.5 | 0.0 | |
| 71M | 05/04/2004 | 09:15 | 0.0 | 0.0 | 20.9 | 79.1 | 0.0 | |
| 71M | 05/11/2004 | 09:25 | 0.0 | 0.0 | 20.7 | 79.3 | 0.0 | |
| 71M | 05/18/2004 | 09:08 | 0.0 | 0.0 | 19.7 | 80.3 | 0.0 | |
| 71M | 05/25/2004 | 08:57 | 0.0 | 0.0 | 20.1 | 79.9 | 0.0 | |
| 71M | 06/02/2004 | 08:45 | 0.0 | 0.0 | 19.8 | 80.2 | 0.0 | |
| 71M | 06/08/2004 | 13:38 | 0.0 | 0.0 | 20.3 | 79.7 | 0.0 | |
| 71M | 06/15/2004 | 16:06 | 0.0 | 0.0 | 20.3 | 79.7 | -0.1 | |
| 71M | 06/22/2004 | 09:12 | 0.0 | 0.0 | 20.1 | 79.9 | 0.0 | |
| 71M | 06/29/2004 | 08:31 | 0.0 | 0.0 | 19.9 | 80.1 | 0.0 | |
| 72M | 04/01/2004 | 07:41 | 0.0 | 1.1 | 20.1 | 78.8 | 0.0 | |
| 72M | 04/06/2004 | 08:51 | 0.0 | 0.0 | 20.6 | 79.4 | 0.0 | |
| 72M | 04/14/2004 | 15:10 | 0.0 | 0.4 | 20.4 | 79.2 | 0.0 | |
| 72M | 04/20/2004 | 08:22 | 0.0 | 0.2 | 20.2 | 79.6 | 0.0 | |
| 72M | 04/27/2004 | 07:55 | 0.0 | 0.0 | 20.6 | 79.4 | 0.0 | |
| 72M | 05/04/2004 | 09:17 | 0.0 | 0.0 | 21.0 | 79.0 | 0.0 | |
| 72M | 05/11/2004 | 09:29 | 0.0 | 0.0 | 20.7 | 79.3 | 0.0 | |
| 72M | 05/18/2004 | 09:10 | 0.0 | 0.1 | 19.7 | 80.2 | 0.0 | |

# Hewitt Pit Probe Data - 04/1/2004 through 06/30/2004

| Name | Date | Time | Methane (% by vol) | Carbon Dioxide (% by vol) | Oxygen (% by vol) | Balance Gas (% by vol) | Static Press (Inch H2O) | Comments |
|---|---|---|---|---|---|---|---|---|
| 72M | 05/25/2004 | 09:00 | 0.0 | 0.0 | 20.1 | 79.9 | 0.0 | |
| 72M | 06/02/2004 | 08:47 | 0.0 | 0.0 | 19.8 | 80.2 | 0.0 | |
| 72M | 06/08/2004 | 13:39 | 0.0 | 0.0 | 20.2 | 79.8 | 0.0 | |
| 72M | 06/15/2004 | 16:08 | 0.0 | 0.6 | 19.0 | 80.4 | 0.0 | |
| 72M | 06/22/2004 | 09:13 | 0.0 | 0.3 | 19.5 | 80.2 | 0.0 | |
| 72M | 06/29/2004 | 08:33 | 0.0 | 0.1 | 19.8 | 80.1 | 0.0 | |
| 73M | 04/01/2004 | 07:43 | 0.0 | 1.1 | 19.3 | 79.6 | 0.0 | |
| 73M | 04/06/2004 | 08:53 | 0.0 | 0.0 | 20.8 | 79.2 | 0.0 | |
| 73M | 04/14/2004 | 15:12 | 0.0 | 0.0 | 20.9 | 79.1 | 0.0 | |
| 73M | 04/20/2004 | 08:24 | 0.0 | 0.0 | 20.5 | 79.5 | 0.0 | |
| 73M | 04/27/2004 | 07:58 | 0.0 | 0.0 | 20.7 | 79.3 | 0.0 | |
| 73M | 05/04/2004 | 09:19 | 0.0 | 0.0 | 21.1 | 78.9 | 0.0 | |
| 73M | 05/11/2004 | 09:32 | 0.0 | 0.0 | 20.7 | 79.3 | 0.0 | |
| 73M | 05/18/2004 | 09:12 | 0.0 | 0.0 | 19.9 | 80.1 | 0.0 | |
| 73M | 05/25/2004 | 09:01 | 0.0 | 0.0 | 20.1 | 79.9 | 0.0 | |
| 73M | 06/02/2004 | 08:49 | 0.0 | 0.0 | 19.8 | 80.2 | 0.0 | |
| 73M | 06/08/2004 | 13:41 | 0.0 | 0.0 | 20.3 | 79.7 | 0.0 | |
| 73M | 06/15/2004 | 16:09 | 0.0 | 0.0 | 20.2 | 79.8 | 0.0 | |
| 73M | 06/22/2004 | 09:14 | 0.0 | 0.0 | 20.1 | 79.9 | 0.0 | |
| 73M | 06/29/2004 | 08:35 | 0.0 | 0.1 | 19.9 | 80.0 | 0.0 | |
| 74M | 04/01/2004 | 07:46 | 0.0 | 0.5 | 20.3 | 79.2 | 0.0 | |
| 74M | 04/06/2004 | 08:56 | 0.0 | 0.3 | 20.7 | 79.0 | 0.0 | |
| 74M | 04/14/2004 | 15:14 | 0.0 | 0.2 | 20.7 | 79.1 | 0.0 | |
| 74M | 04/20/2004 | 08:26 | 0.0 | 0.2 | 20.3 | 79.5 | 0.0 | |
| 74M | 04/27/2004 | 08:00 | 0.0 | 0.2 | 20.5 | 79.3 | 0.0 | |
| 74M | 05/04/2004 | 09:22 | 0.0 | 0.2 | 21.0 | 78.8 | 0.0 | |
| 74M | 05/11/2004 | 09:35 | 0.0 | 0.0 | 20.7 | 79.3 | 0.0 | |
| 74M | 05/18/2004 | 09:14 | 0.0 | 0.1 | 19.8 | 80.1 | 0.0 | |
| 74M | 05/25/2004 | 09:04 | 0.0 | 0.2 | 20.1 | 79.7 | 0.0 | |
| 74M | 06/02/2004 | 08:52 | 0.0 | 0.2 | 19.8 | 80.0 | 0.0 | |
| 74M | 06/08/2004 | 13:43 | 0.0 | 0.1 | 20.2 | 79.7 | 0.0 | |
| 74M | 06/15/2004 | 16:11 | 0.0 | 0.0 | 20.5 | 79.5 | 0.0 | |
| 74M | 06/22/2004 | 09:16 | 0.0 | 0.0 | 20.2 | 79.8 | 0.0 | |
| 74M | 06/29/2004 | 08:37 | 0.0 | 0.1 | 19.9 | 80.0 | 0.0 | |
| 75M | 04/06/2004 | 08:58 | 0.0 | 0.2 | 20.7 | 79.1 | 0.0 | |
| 75M | 04/14/2004 | 15:16 | 0.0 | 0.0 | 20.7 | 79.3 | 0.0 | |
| 75M | 04/20/2004 | 08:28 | 0.0 | 0.0 | 20.4 | 79.6 | 0.0 | |
| 75M | 04/27/2004 | 08:02 | 0.0 | 0.1 | 20.4 | 79.5 | 0.0 | |
| 75M | 05/04/2004 | 09:24 | 0.0 | 0.3 | 20.6 | 79.1 | 0.0 | |
| 75M | 05/11/2004 | 09:38 | 0.0 | 0.0 | 20.6 | 79.4 | 0.0 | |
| 75M | 05/18/2004 | 09:16 | 0.0 | 0.0 | 19.8 | 80.2 | 0.0 | |
| 75M | 05/25/2004 | 09:06 | 0.0 | 0.2 | 20.0 | 79.8 | 0.0 | |

# Hewitt Pit Probe Data - 04/1/2004 through 06/30/2004

| Name | Date | Time | Methane (% by vol) | Carbon Dioxide (% by vol) | Oxygen (% by vol) | Balance Gas (% by vol) | Static Press (Inch H2O) | Comments |
|---|---|---|---|---|---|---|---|---|
| 75M | 06/02/2004 | 08:55 | 0.0 | 0.3 | 19.5 | 80.2 | 0.0 | |
| 75M | 06/08/2004 | 13:46 | 0.0 | 0.0 | 20.3 | 79.7 | 0.0 | |
| 75M | 06/15/2004 | 16:12 | 0.0 | 0.0 | 20.5 | 79.5 | 0.0 | |
| 75M | 06/22/2004 | 09:17 | 0.0 | 0.0 | 20.2 | 79.8 | 0.0 | |
| 75M | 06/29/2004 | 08:39 | 0.0 | 0.1 | 19.9 | 80.0 | 0.0 | |
| 76M | 04/01/2004 | 07:51 | 0.0 | 0.2 | 20.6 | 79.2 | 0.0 | |
| 76M | 04/06/2004 | 09:00 | 0.0 | 0.0 | 20.8 | 79.2 | 0.0 | |
| 76M | 04/14/2004 | 15:18 | 0.0 | 0.0 | 20.8 | 79.2 | 0.0 | |
| 76M | 04/20/2004 | 08:30 | 0.0 | 0.0 | 20.4 | 79.6 | 0.0 | |
| 76M | 04/27/2004 | 08:04 | 0.0 | 0.0 | 20.5 | 79.5 | 0.0 | |
| 76M | 05/04/2004 | 09:26 | 0.0 | 0.0 | 21.1 | 78.9 | 0.0 | |
| 76M | 05/11/2004 | 09:41 | 0.0 | 0.0 | 20.6 | 79.4 | 0.0 | |
| 76M | 05/18/2004 | 09:18 | 0.0 | 0.0 | 19.9 | 80.1 | 0.0 | |
| 76M | 05/25/2004 | 09:08 | 0.0 | 0.0 | 20.1 | 79.9 | 0.0 | |
| 76M | 06/02/2004 | 08:57 | 0.0 | 0.0 | 19.9 | 80.1 | 0.0 | |
| 76M | 06/08/2004 | 13:47 | 0.0 | 0.0 | 20.3 | 79.7 | 0.0 | |
| 76M | 06/15/2004 | 16:13 | 0.0 | 0.0 | 20.5 | 79.5 | 0.0 | |
| 76M | 06/22/2004 | 09:20 | 0.0 | 0.0 | 20.1 | 79.9 | 0.0 | |
| 76M | 06/29/2004 | 08:41 | 0.0 | 0.0 | 19.9 | 80.1 | 0.0 | |
| 77M | 04/01/2004 | 07:53 | 0.0 | 0.1 | 20.6 | 79.3 | 0.0 | |
| 77M | 04/06/2004 | 09:02 | 0.0 | 0.0 | 20.9 | 79.1 | 0.0 | |
| 77M | 04/14/2004 | 15:19 | 0.0 | 0.0 | 20.8 | 79.2 | 0.0 | |
| 77M | 04/20/2004 | 08:32 | 0.0 | 0.0 | 20.5 | 79.5 | 0.0 | |
| 77M | 04/27/2004 | 08:06 | 0.0 | 0.0 | 20.6 | 79.4 | 0.0 | |
| 77M | 05/04/2004 | 09:29 | 0.0 | 0.0 | 21.3 | 78.7 | 0.0 | |
| 77M | 05/11/2004 | 09:44 | 0.0 | 0.0 | 20.8 | 79.2 | 0.0 | |
| 77M | 05/18/2004 | 09:20 | 0.0 | 0.0 | 19.9 | 80.1 | 0.0 | |
| 77M | 05/25/2004 | 09:10 | 0.0 | 0.0 | 20.1 | 79.9 | 0.0 | |
| 77M | 06/02/2004 | 09:00 | 0.0 | 0.0 | 19.9 | 80.1 | 0.0 | |
| 77M | 06/08/2004 | 13:49 | 0.0 | 0.0 | 20.3 | 79.7 | 0.0 | |
| 77M | 06/15/2004 | 16:14 | 0.0 | 0.0 | 20.5 | 79.5 | 0.0 | |
| 77M | 06/22/2004 | 09:22 | 0.0 | 0.0 | 20.2 | 79.8 | 0.0 | |
| 77M | 06/29/2004 | 08:43 | 0.0 | 0.0 | 20.0 | 80.0 | 0.0 | |
| 78M | 04/01/2004 | 07:56 | 0.0 | 12.2 | 8.4 | 79.4 | 0.0 | |
| 78M | 04/06/2004 | 09:03 | 0.0 | 0.2 | 20.8 | 79.0 | 0.0 | |
| 78M | 04/14/2004 | 15:21 | 0.0 | 2.3 | 17.7 | 80.0 | 0.0 | |
| 78M | 04/20/2004 | 08:33 | 0.0 | 0.8 | 19.8 | 79.4 | 0.0 | |
| 78M | 04/27/2004 | 08:08 | 0.0 | 2.3 | 18.1 | 79.6 | 0.0 | |
| 78M | 05/04/2004 | 09:32 | 0.0 | 15.5 | 5.6 | 78.9 | 0.0 | |
| 78M | 05/11/2004 | 09:47 | 0.0 | 0.9 | 19.7 | 79.4 | 0.0 | |
| 78M | 05/18/2004 | 09:22 | 0.0 | 0.7 | 18.9 | 80.4 | 0.0 | |
| 78M | 05/25/2004 | 09:12 | 0.0 | 1.1 | 19.1 | 79.8 | 0.0 | |

# Hewitt Pit Probe Data - 04/1/2004 through 06/30/2004

| Name | Date | Time | Methane (% by vol) | Carbon Dioxide (% by vol) | Oxygen (% by vol) | Balance Gas (% by vol) | Static Press (Inch H2O) | Comments |
|---|---|---|---|---|---|---|---|---|
| 78M | 06/02/2004 | 09:03 | 0.0 | 4.5 | 14.7 | 80.8 | 0.0 | |
| 78M | 06/08/2004 | 13:51 | 0.0 | 0.8 | 19.2 | 80.0 | 0.0 | |
| 78M | 06/15/2004 | 16:15 | 0.0 | 0.0 | 20.5 | 79.5 | 0.0 | |
| 78M | 06/22/2004 | 09:23 | 0.0 | 2.8 | 17.0 | 80.2 | 0.0 | |
| 78M | 06/29/2004 | 08:46 | 0.0 | 9.0 | 11.6 | 79.4 | 0.0 | |
| 79M | 04/01/2004 | 08:00 | 0.0 | 3.1 | 16.6 | 80.3 | 0.0 | |
| 79M | 04/06/2004 | 09:05 | 0.0 | 2.4 | 18.1 | 79.5 | 0.0 | |
| 79M | 04/14/2004 | 15:22 | 0.0 | 0.8 | 19.3 | 79.9 | 0.0 | |
| 79M | 04/20/2004 | 08:35 | 0.0 | 2.6 | 17.6 | 79.8 | 0.0 | |
| 79M | 04/27/2004 | 08:10 | 0.0 | 1.7 | 18.1 | 80.2 | 0.0 | |
| 79M | 05/04/2004 | 09:35 | 0.0 | 9.3 | 11.3 | 79.4 | 0.0 | |
| 79M | 05/11/2004 | 09:49 | 0.0 | 6.0 | 14.2 | 79.8 | 0.0 | |
| 79M | 05/18/2004 | 09:23 | 0.0 | 0.0 | 19.9 | 80.1 | 0.0 | |
| 79M | 05/25/2004 | 09:14 | 0.0 | 4.7 | 15.4 | 79.9 | 0.0 | |
| 79M | 06/02/2004 | 09:05 | 0.0 | 7.0 | 13.0 | 80.0 | 0.0 | |
| 79M | 06/08/2004 | 13:52 | 0.0 | 2.8 | 17.0 | 80.2 | 0.0 | |
| 79M | 06/15/2004 | 16:16 | 0.0 | 0.0 | 20.5 | 79.5 | 0.0 | |
| 79M | 06/22/2004 | 09:25 | 0.0 | 8.8 | 11.7 | 79.5 | 0.0 | |
| 79M | 06/29/2004 | 08:48 | 0.0 | 4.5 | 15.1 | 80.4 | 0.0 | |
| 80M | 04/06/2004 | 09:08 | 0.0 | 0.2 | 20.5 | 79.3 | 0.0 | |
| 80M | 04/14/2004 | 15:25 | 0.0 | 0.7 | 19.7 | 79.6 | 0.0 | |
| 80M | 04/20/2004 | 08:38 | 0.0 | 0.6 | 19.5 | 79.9 | 0.0 | |
| 80M | 04/27/2004 | 08:13 | 0.0 | 0.0 | 20.3 | 79.7 | 0.0 | |
| 80M | 05/04/2004 | 09:39 | 0.0 | 0.1 | 21.6 | 78.3 | 0.0 | |
| 80M | 05/11/2004 | 09:53 | 0.0 | 0.3 | 20.2 | 79.5 | 0.0 | |
| 80M | 05/18/2004 | 09:26 | 0.0 | 0.0 | 19.9 | 80.1 | 0.0 | |
| 80M | 05/25/2004 | 09:18 | 0.0 | 0.1 | 19.9 | 80.0 | 0.0 | |
| 80M | 06/02/2004 | 09:09 | 0.0 | 0.7 | 19.1 | 80.2 | 0.0 | |
| 80M | 06/08/2004 | 13:56 | 0.0 | 0.7 | 19.4 | 79.9 | 0.0 | |
| 80M | 06/15/2004 | 16:18 | 0.0 | 0.0 | 20.5 | 79.5 | 0.0 | |
| 80M | 06/22/2004 | 09:29 | 0.0 | 0.2 | 19.9 | 79.9 | 0.0 | |
| 80M | 06/29/2004 | 08:53 | 0.0 | 0.2 | 19.8 | 80.0 | 0.0 | |
| 81M | 04/01/2004 | 08:08 | 0.0 | 0.2 | 20.5 | 79.3 | 0.0 | |
| 81M | 04/06/2004 | 09:10 | 0.0 | 0.0 | 20.8 | 79.2 | 0.0 | |
| 81M | 04/14/2004 | 15:27 | 0.0 | 0.0 | 20.7 | 79.3 | 0.0 | |
| 81M | 04/20/2004 | 08:40 | 0.0 | 0.0 | 20.5 | 79.5 | 0.0 | |
| 81M | 04/27/2004 | 08:15 | 0.0 | 0.0 | 20.5 | 79.5 | 0.0 | |
| 81M | 05/04/2004 | 10:52 | 0.0 | 0.4 | 20.0 | 79.6 | 0.0 | |
| 81M | 05/11/2004 | 09:55 | 0.0 | 0.0 | 20.9 | 79.1 | 0.0 | |
| 81M | 05/18/2004 | 09:28 | 0.0 | 0.0 | 19.9 | 80.1 | 0.0 | |
| 81M | 05/25/2004 | 09:20 | 0.0 | 0.4 | 19.8 | 79.8 | 0.0 | |
| 81M | 06/02/2004 | 09:11 | 0.0 | 0.3 | 19.9 | 79.8 | 0.0 | |

# Hewitt Pit Probe Data - 04/1/2004 through 06/30/2004

| Name | Date | Time | Methane (% by vol) | Carbon Dioxide (% by vol) | Oxygen (% by vol) | Balance Gas (% by vol) | Static Press (Inch H2O) | Comments |
|---|---|---|---|---|---|---|---|---|
| 81M | 06/08/2004 | 13:57 | 0.0 | 0.1 | 20.1 | 79.8 | 0.0 | |
| 81M | 06/15/2004 | 16:19 | 0.0 | 0.0 | 20.5 | 79.5 | 0.0 | |
| 81M | 06/22/2004 | 09:31 | 0.0 | 0.1 | 20.2 | 79.7 | 0.0 | |
| 81M | 06/29/2004 | 08:54 | 0.0 | 0.2 | 19.9 | 79.9 | 0.0 | |
| FLARE | 04/06/2004 | 07:51 | 31.8 | 29.9 | 1.6 | 36.7 | 8.9 | |
| FLARE | 04/15/2004 | 15:39 | 22.6 | 25.3 | 2.8 | 49.3 | 8.0 | |
| FLARE | 04/20/2004 | 07:51 | 19.9 | 23.4 | 4.1 | 52.6 | 11.1 | |
| FLARE | 04/27/2004 | 07:20 | 19.1 | 22.4 | 4.3 | 54.2 | 11.2 | |
| FLARE | 05/04/2004 | 08:34 | 18.9 | 22.5 | 4.3 | 54.3 | 12.4 | |
| FLARE | 05/11/2004 | 07:27 | 18.0 | 22.2 | 4.3 | 55.5 | 13.0 | |
| FLARE | 05/18/2004 | 07:20 | 17.6 | 21.8 | 4.6 | 56.0 | 13.3 | |
| FLARE | 05/25/2004 | 08:15 | 19.0 | 22.9 | 3.7 | 54.4 | 12.5 | |
| FLARE | 06/02/2004 | 08:09 | 20.1 | 23.2 | 3.4 | 53.3 | 13.1 | |
| FLARE | 06/08/2004 | 12:32 | 18.8 | 22.8 | 3.6 | 54.8 | 12.7 | |
| FLARE | 06/22/2004 | 08:08 | 18.4 | 23.2 | 3.7 | 54.7 | 13.0 | |
| FLARE | 06/29/2004 | 07:31 | 16.4 | 21.7 | 4.0 | 57.9 | 12.6 | |

# Attachment 2

## INTEGRATED LANDFILL

## SURFACE SAMPLING

## Grids 1-52– June 24, 2004


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# HEWITT PIT LANDFILL

## INTEGRATED LANDFILL SURFACE MONITORING

Personnel: Craig Markley, Leon, Tom Shurlin, Mike George, Nick Cordova, Tim Lynch, Paul Ponce, Johnny Esparza

Date: 6/24/04 Instrument Used: ISS 1-8

Temperature: 78°

| GRID ID | STAFF INITIALS | START TIME | STOP TIME | TOC PPM | ROTO-MTR, CC/MIN | WIND SPEED, MPH/DIRECT | REMARKS |
|---|---|---|---|---|---|---|---|
| 51 | MG | 0920 | 0945 | 2 | .333 | 4/12 | |
| 50 | PP | 0920 | 0945 | 2 | | 4/12 | |
| 49 | Leon | 0920 | 0945 | 2 | | 4/12 | |
| 48 | NC | 0920 | 0945 | 5 | | 4/12 | |
| 47 | JE | 0920 | 0945 | 4 | | 4/12 | |
| 46 | TS | 0920 | 0945 | 4 | | 4/12 | |
| 45 | TL | 0920 | 0945 | 4 | | 4/12 | |
| 44 | MG | 0950 | 1015 | 2 | | 3/13 | |
| 43 | PP | 0950 | 1015 | 2 | | 3/13 | |
| 42 | Leon | 0950 | 1015 | 2 | | 3/13 | |
| 41 | NC | 0950 | 1015 | 2 | | 3/13 | |
| 40 | JE | 0950 | 1015 | 4 | | 3/13 | |
| 39 | TS | 0950 | 1015 | 4 | | 3/13 | |
| 38 | TL | 0950 | 1015 | 2 | | 3/13 | |
| 37 | MG | 1020 | 1045 | 3 | | 1/2 | |
| 21 | PP | 1020 | 1045 | 3 | | 1/2 | |
| 20 | Leon | 1020 | 1045 | 3 | | 1/2 | |
| 19 | NC | 1020 | 1045 | 3 | | 1/2 | |
| 18 | JE | 1020 | 1045 | 3 | | 1/2 | |
| 17 | TS | 1020 | 1045 | 3 | | 1/2 | |
| 16 | TL | 1020 | 1045 | 3 | | 1/2 | |
| 36 | MG | 1200 | 1225 | 2 | | 2/1 | |
| 35 | PP | 1200 | 1225 | 2 | | 2/1 | |
| 34 | Leon | 1200 | 1225 | 2 | | 2/1 | |
| 33 | NC | 1200 | 1225 | 4 | | 2/1 | |
| 32 | JE | 1200 | 1225 | 4 | | 2/1 | |
| 31 | TS | 1200 | 1225 | 2 | | 2/1 | |
| 30 | TL | 1200 | 1225 | 2 | | 2/1 | |
| 29 | MG | 1230 | 1255 | 4 | | 2/1 | |
| 28 | PP | 1230 | 1255 | 4 | | 2/1 | |

Attach Calibration Sheet
Attach site map showing grid ID

# HEWITT PIT LANDFILL

## INTEGRATED LANDFILL SURFACE MONITORING

Personnel: Craig Markley, Lem, Tom Sherlin, Mike Geagei, Noah Carter, Tim Lynch, Paul Pance, Johnny Esparza

Date: 6/24/04 Instrument Used: ISS 1-8

Temperature: _____

| GRID ID | STAFF INITIALS | START TIME | STOP TIME | TOC PPM | ROTO-MTR, CC/MIN | WIND SPEED, MPH/DIRECT | REMARKS |
|---|---|---|---|---|---|---|---|
| 27 | Lem | 1230 | 1255 | 2 | .333 | 2/1 | |
| 26 | NC | 1230 | 1255 | 2 | | 2/1 | |
| 25 | JE | 1230 | 1255 | 2 | | 2/1 | |
| 24 | TS | 1230 | 1255 | 3 | | 2/1 | |
| 23 | TL | 1230 | 1255 | 4 | | 2/1 | |
| 22 | MG | 1300 | 1325 | 4 | | 2/1 | |
| 15 | PP | 1300 | 1325 | 2 | | 2/1 | |
| 14 | Leon | 1300 | 1325 | 2 | | 2/1 | |
| 13 | NC | 1300 | 1325 | 2 | | 2/1 | |
| 12 | JE | 1300 | 1325 | 2 | | 2/1 | |
| 11 | TS | 1300 | 1325 | 2 | | 2/1 | |
| 10 | TL | 1300 | 1325 | 2 | | 2/1 | |
| 9 | MG | 1330 | 1355 | 2 | | 1/14 | |
| 8 | PP | 1330 | 1355 | 2 | | 1/14 | |
| 7 | Leon | 1330 | 1355 | 2 | | 1/14 | |
| 6 | NC | 1330 | 1355 | 2 | | 1/14 | |
| 5 | JE | 1330 | 1355 | 2 | | 1/14 | |
| 4 | TS | 1330 | 1355 | 4 | | 1/14 | |
| 3 | TL | 1330 | 1355 | 4 | | 1/14 | |
| 2 | TS | 1400 | 1425 | 2 | | 2/14 | |
| 1 | TL | 1400 | 1425 | 2 | | 2/14 | |
| 52 | JE | 1400 | 425 | 2 | | 2/14 | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

Attach Calibration Sheet
Attach site map showing grid ID

**IES**
**NVIRONMENTAL INC.**

# OVA CALIBRATION LOG

Landfill: Hewitt Pit Landfill

| OPERATOR INITIALS | DATE | BATTERY CHECK | FLOW METER READING | ZONE READING | | | CH4 CALIBRATION GAS UNCORRECTED READINGS | | | | | | CH4 CALIBRATION GAS CORRECTED READINGS | | | | | | 3PT. CALIBRATION CHECK | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 10 | 100 | 1000 | LOW | | MED | | HIGH | | LOW | | MED | | HIGH | | | | |
| | | | | PPM | PPM | PPM | PPM | ACT | PPM | ACT | PPM | ACT | PPM | ACT | PPM | ACT | PPM | ACT | PPM | PPM | PPM |
| CM | 8/04 | OK | 15 | — | — | — | — | — | — | — | 500 | 500 | — | — | — | — | 500 | 500 | — | — | 500 |
| MK | 8/04 | OK | 15 | — | — | — | — | — | — | — | 500 | 500 | — | — | — | — | 500 | 500 | — | — | 500 |
| PP | 8/04 | OK | 15 | — | — | — | — | — | — | — | 500 | 500 | — | — | — | — | 500 | 500 | — | — | 500 |
| JE | 8/04 | OK | 15 | — | — | — | — | — | — | — | 500 | 500 | — | — | — | — | 500 | 500 | — | — | 500 |
| NC | 8/04 | OK | 15 | — | — | — | — | — | — | — | 500 | 500 | — | — | — | — | 500 | 500 | — | — | 500 |
| Leon | 8/04 | OK | 15 | — | — | — | — | — | — | — | 500 | 500 | — | — | — | — | 500 | 500 | — | — | 500 |
| TL | 8/04 | OK | 15 | — | — | — | — | — | — | — | 500 | 500 | — | — | — | — | 500 | 500 | — | — | 500 |
| TS | 8/04 | OK | 15 | — | — | — | — | — | — | — | 500 | 500 | — | — | — | — | 500 | 500 | — | — | 500 |

NVIRONMENTAL INC.

# OVA CALIBRATION LOG

Landfill: Hewitt Pit Landfill

| OPERATOR INITIALS | DATE | BATTERY CHECK | FLOW METER READING | ZONE READING | | | CH4 CALIBRATION GAS UNCORRECTED READINGS | | | | | | CH4 CALIBRATION GAS CORRECTED READINGS | | | | | | 3PT. CALIBRATION CHECK | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 10 | 100 | 1000 | LOW | | MED | | HIGH | | LOW | | MED | | HIGH | | | | |
| | | | | PPM | PPM | PPM | PPM | ACT | PPM | ACT | PPM | ACT | PPM | ACT | PPM | ACT | PPM | ACT | PPM | PPM | PPM |
| CM | 7/24/04 | OK | 1.5 | — | — | — | — | — | 50 | 50 | — | — | — | — | 50 | 50 | — | — | — | 50 | — |

# CHAIN OF CUSTODY RECORD

Client/Project Name: Hewitt Pit Landfill

Project Location: 7361 Laurel Canyon Blvd

Project No.: 1150.1

Field Logbook No.: –

Sampler: (Print) Craig Markley (Signature)

No. Of Containers: 2

ANALYSES

| Sample No./ Identification | Date | Time | Lab Sample Number | Type of Sample | 1150.1 Toxicist | methane | TNMH | TAC | | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|
| GD-23 | 6-24-04 | 1230-1255 | | 10L Bag | X | X | X | X | | |
| GD-24 | 6-24-04 | 1230-1255 | | 10L Bag | X | X | X | X | | |

| | Date | Time | | Date | Time |
|---|---|---|---|---|---|
| Relinquished by: (Signature) | 6/25/04 | 9:10 | Received by: (Signature) | 6-25-04 | [illegible] |
| Relinquished by: (Signature) | | | Received by: (Signature) | | |
| Relinquished by: (Signature) | | | Received for Laboratory: (Signature) | | |

Sample Disposal Method:

Disposed of by: (Signature) Date Time

Sample Collector

RES Environmental Inc.
865 Via Lata • Colton, California 92324
(909) 422-1001 • Fax (909) 422-0707

Analytical Laboratory: ATMAA Lab Inc

RES Environmental Inc.

LOCATION: Hew. H Pitt Landfill

INTEGRATED SURFACE SAMPLING SHEET

GRID # G-23

SAMPLE # -

CLASS # -

BAG # -

SAMPLER # 1

WIND SPEED _____ mph

WIND DIRECTION _____ 16 pt

METHANE CONCENTRATION: 5 ppm

DATE: 6-24-04

FLOW START: 233 cc

FLOW STOP: 333 cc

TIME START: 1230

TIME STOP: 1255

BAG STATUS:
(✓) FULL ( ) 3/4
( ) 1/2 ( ) 1/4

TECHNICIAN: (Signature)

THE TECHNICIAN WILL BE INSPECTING FOR THE FOLLOWING:
1. SETTLEMENT CRACKS; 2. SHRINKAGE CRACKS; 3. SLUMPING;
4. SURFACE DEPRESSION; 5. EXCESSIVELY DRY OR WET AREAS;
6. RODENT BURROWS; 7. COVER SOIL EROSIONS

COMMENTS:

865 Via Lata ▪ Colton, California 92324 ▪ (909) 422-1001 Fax (909) 422-0707

RES Environmental Inc.

LOCATION: Hewitt Pit Landfill

INTEGRATED SURFACE SAMPLING SHEET

GRID # 24

SAMPLE # –

CLASS # –

BAG # –

SAMPLER # 2

WIND SPEED _____ mph

WIND DIRECTION _____ 16 pt

METHANE CONCENTRATION: 5 ppm

DATE: 6/24/04

FLOW START: .333 cc

FLOW STOP: .333 cc

TIME START: 1230

TIME STOP: 1255

BAG STATUS:
(✓) FULL ( ) 3/4
( ) 1/2 ( ) 1/4

TECHNICIAN: (Signature)

THE TECHNICIAN WILL BE INSPECTING FOR THE FOLLOWING:
1. SETTLEMENT CRACKS; 2. SHRINKAGE CRACKS; 3. SLUMPING;
4. SURFACE DEPRESSION; 5. EXCESSIVELY DRY OR WET AREAS;
6. RODENT BURROWS; 7. COVER SOIL EROSIONS

COMMENTS:

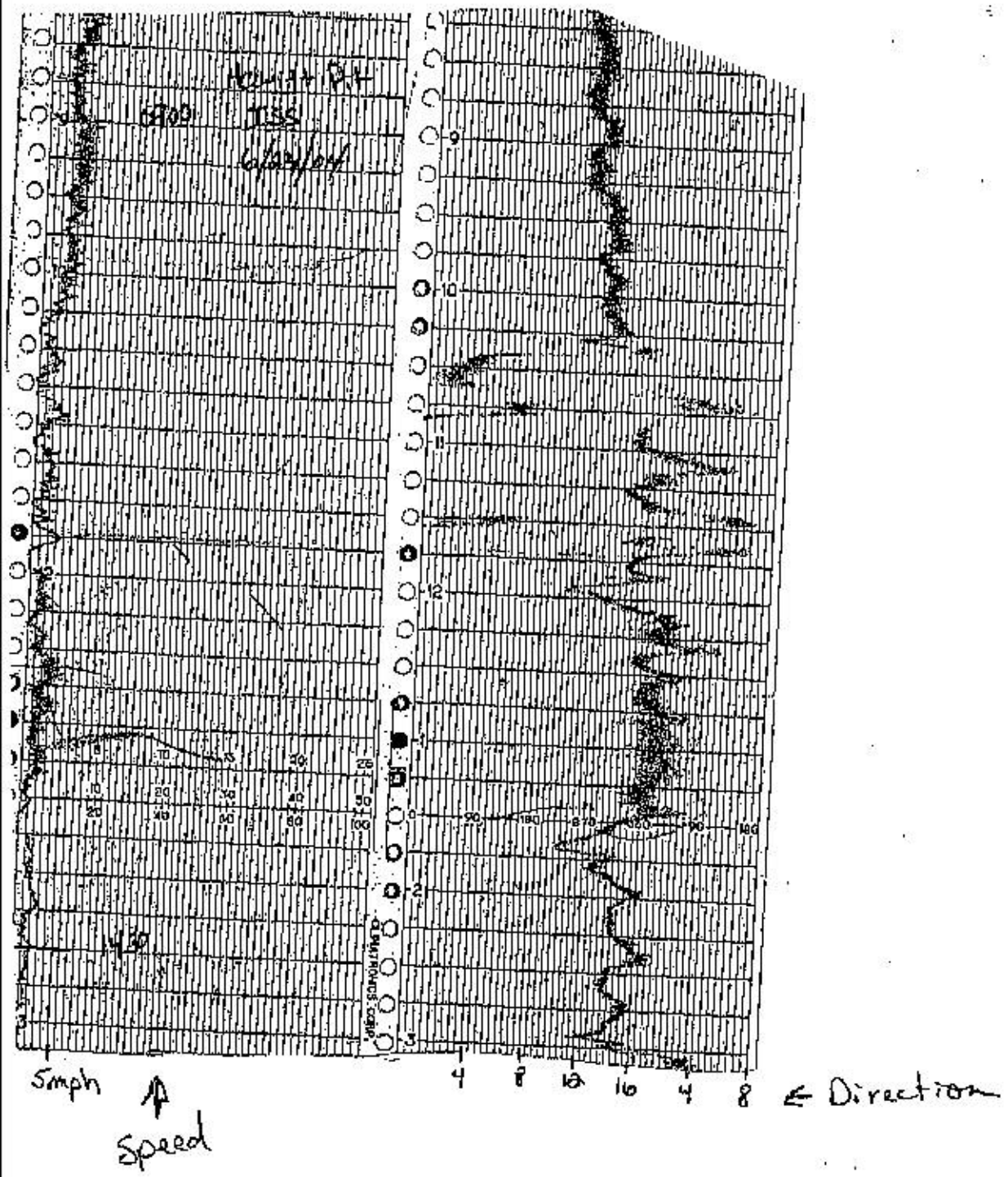
865 Via Lata ▪ Colton, California 92324 ▪ (909) 422-1001 Fax (909) 422-0707

RES Environmental Inc.

## 16-POINT WIND DIRECTION INDEX

| NO | DIRECTION | DEGREES FROM | CENTER | TO |
|---|---|---|---|---|
| 16 | NORTH (N) | 348.8 | 360.0 | 011.3 |
| 1 | NORTH-NORTHEAST (NNE) | 011.3 | 022.5 | 033.8 |
| 2 | NORTHEAST (NE) | 033.8 | 045.0 | 056.3 |
| 3 | EAST-NORTHEAST (ENE) | 056.3 | 067.5 | 078.8 |
| 4 | EAST (E) | 078.8 | 090.0 | 101.3 |
| 5 | EAST-SOUTHEAST (ESE) | 101.3 | 112.5 | 123.8 |
| 6 | SOUTHEAST (SE) | 123.8 | 135.0 | 146.3 |
| 7 | SOUTH-SOUTHEAST (SSE) | 146.3 | 157.5 | 168.8 |
| 8 | SOUTH (S) | 168.8 | 180.0 | 191.3 |
| 9 | SOUTH-SOUTHWEST (SSW) | 191.3 | 202.5 | 213.8 |
| 10 | SOUTHWEST (SW) | 213.8 | 225.0 | 236.3 |
| 11 | WEST-SOUTHWEST (WSW) | 236.3 | 247.5 | 258.8 |
| 12 | WEST (W) | 258.8 | 270.0 | 281.3 |
| 13 | WEST-NORTHWEST (WNW) | 281.3 | 292.5 | 303.8 |
| 14 | NORTHWEST (NW) | 303.8 | 315.0 | 326.3 |
| 15 | NORTH-NORTHWEST (NNW) | 326.3 | 337.5 | 348.8 |

865 Via Lata ▪ Colton, California 92324 ▪ (909) 422-1001 Fax (909) 422-0707


6/24/04
5mph
Speed
4
8
12
16
4
8
← Direction

# Attachment 3

## INTEGRATED LANDFILL SURFACE SAMPLING LABORATORY RESULTS

**June 24, 2004**

**Grids 23 and 24**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AtmAA Inc.
23917 Craftsman Rd., Calabasas, CA 91302 • (818) 223-3277 • FAX (818) 223-8250
environmental consultants
laboratory services

July 13, 2004

LTR/372/04

Brian Millage
GC Environmental
1230 N. Jefferson, Ste. J
Anaheim, CA 92807

re: Hewitt Pit

Dear Brian:

Please find enclosed the laboratory analysis report, quality assurance summary, and the original chain of custody form for two ISS Tedlar bag samples received June 25, 2004.

The Tedlar bag samples were analyzed for SCAQMD 1150.1 components, methane, and total gaseous non-methane organics (TGNMO) as requested on the chain of custody form.

Sincerely,

AtmAA, Inc.

Michael L. Porter
Laboratory Director

Encl.
MLP/bwf

AtmAA Inc.
23917 Craftsman Rd., Calabasas, CA 91302 • (818) 223-3277 • FAX (818) 223-8250
environmental consultants
laboratory services

# LABORATORY ANALYSIS REPORT

SCAQMD Rule 1150.1 Components Analysis in Integrated Surface Tedlar Bag Samples

Report Date: July 13, 2004
Client: GC Environmental
Project Location: Hewitt Pit Landfill
Date Received: June 25, 2004
Date Analyzed: June 25, 2004

| AtmAA Lab No.: | 01774-4 | 01774-5 |
|---|---|---|
| Sample I.D.: | ISS Grid 23 | ISS Grid 24 |
| Components | *(Concentration in ppmv)* | |
| Methane | 2.12 | 2.13 |
| TGNMO | 1.54 | 1.45 |
| | *(Concentration in ppbv)* | |
| Hydrogen sulfide | <50 | <50 |
| Benzene | 0.62 | 0.45 |
| Benzylchloride | <0.4 | <0.4 |
| Chlorobenzene | <0.1 | <0.1 |
| Dichlorobenzenes* | <1.1 | <1.1 |
| 1,1-dichloroethane | <0.1 | <0.1 |
| 1,2-dichloroethane | <0.1 | <0.1 |
| 1,1-dichloroethylene | <0.1 | <0.1 |
| Dichloromethane | 0.24 | 0.20 |
| 1,2-dibromoethane | <0.1 | <0.1 |
| Perchloroethene | <0.1 | <0.1 |
| Carbon tetrachloride | 0.11 | 0.11 |
| Toluene | 3.72 | 3.80 |
| 1,1,1-trichloroethane | <0.1 | <0.1 |
| Trichloroethene | <0.1 | <0.1 |
| Chloroform | <0.1 | <0.1 |
| Vinyl chloride | <0.1 | <0.1 |
| m+p-xylenes | 1.24 | 1.57 |
| o-xylene | 0.23 | 0.37 |

*TGNMO is total gaseous non-methane organics measured and reported as ppm methane.*
** total amount containing meta, para, and ortho isomers*

*Michael L. Porter*
*Laboratory Director*

QUALITY ASSURANCE SUMMARY

*(Repeat Analyses)*

Project Location: Hewitt Pit Landfill
Date Received: June 25, 2004
Date Analyzed: June 25, 2004

| Components | Sample ID | Repeat Analysis Run #1 | Repeat Analysis Run #2 | Mean Conc. | % Diff. From Mean |
|---|---|---|---|---|---|
| | | *(Concentration in ppmv)* | | | |
| Methane | Grid 23 | 2.15 | 2.10 | 2.12 | 1.2 |
| TGNMO | Grid 23 | 1.55 | 1.54 | 1.54 | 0.32 |
| | | *(Concentration in ppbv)* | | | |
| Hydrogen sulfide | Grid 23 | <50 | <50 | --- | --- |
| Benzene | Grid 23 | 0.63 | 0.60 | 0.62 | 2.4 |
| Benzylchloride | Grid 23 | <0.4 | <0.4 | --- | --- |
| Chlorobenzene | Grid 23 | <0.1 | <0.1 | --- | --- |
| Dichlorobenzenes | Grid 23 | <1.1 | <1.1 | --- | --- |
| 1,1-dichloroethane | Grid 23 | <0.1 | <0.1 | --- | --- |
| 1,2-dichloroethane | Grid 23 | <0.1 | <0.1 | --- | --- |
| 1,1-dichloroethylene | Grid 23 | <0.1 | <0.1 | --- | --- |
| Dichloromethane | Grid 23 | 0.25 | 0.23 | 0.24 | 4.2 |
| 1,2-dibromoethane | Grid 23 | <0.1 | <0.1 | --- | --- |
| Perchloroethene | Grid 23 | <0.1 | <0.1 | --- | --- |
| Carbon tetrachloride | Grid 23 | 0.11 | 0.11 | 0.11 | 0.0 |
| Toluene | Grid 23 | 3.68 | 3.76 | 3.72 | 1.1 |
| 1,1,1-trichloroethane | Grid 23 | <0.1 | <0.1 | --- | --- |
| Trichloroethene | Grid 23 | <0.1 | <0.1 | --- | --- |
| Chloroform | Grid 23 | <0.1 | <0.1 | --- | --- |
| Vinyl chloride | Grid 23 | <0.1 | <0.1 | --- | --- |
| m+p-xylenes | Grid 23 | 1.21 | 1.27 | 1.24 | 2.4 |
| o-xylene | Grid 23 | 0.22 | 0.24 | 0.23 | 4.3 |

*Two Tedlar bag samples, laboratory numbers 01774-(4 & 5), were analyzed for SCAQMD Rule 1150.1 components, methane, and total gaseous non-methane organics (TGNMO). Agreement between repeat analyses is a measure of precision and is shown above in the column "% Difference from Mean". Repeat analyses are an important part of AtmAA's quality assurance program. The average % Difference from Mean for 8 repeat measurements from the two Tedlar bag samples is 2.0%.*

# CHAIN OF CUSTODY RECORD

Client/Project Name: Hewitt Pit Landfill

Project Location: 7361 Laurel Canyon Blvd

Project No.: 1150.1

Field Logbook No.: –

Sampler: (Print) Craig Markley

(Signature)

No. Of Containers: 2

ANALYSES

| Sample No./ Identification | Date | Time | Lab Sample Number | Type of Sample | 1150.1 Toxist | Methane | TNMH | TAC | | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|
| Grid-23 | 6-24-04 | 1230-1255 | 01774-4 | 1L Bag | X | X | X | X | | |
| Grid-24 | 6-24-04 | 1230-1255 | 5 | 1L Bag | X | X | X | X | | |

| | Date | Time | | Date | Time |
|---|---|---|---|---|---|
| Relinquished by: (Signature) | 6/25/04 | 9:10 | Received by: (Signature) | 6-25-04 | 9:10 am |
| Relinquished by: (Signature) | | | Received by: (Signature) | | |
| Relinquished by: (Signature) | | | Received for Laboratory: (Signature) | 6-25-04 | 12:50 |

Sample Disposal Method:

Disposed of by: (Signature)

Sample Collector

RES Environmental Inc.
865 Via Lata • Colton, California 92324
(909) 422-1001 Fax (909) 422-0707

Analytical Laboratory: ATMAN Lab Inc

# Attachment 4

# INSTANTANEOUS LANDFILL SURFACE MONITORING

## June 24, 2004


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JUN 30 2004

# HEWITT PIT LANDFILL

## INSTANTANEOUS LANDFILL SURFACE MONITORING

Personnel: Craig Markley, Tim Lych, Noah Coonton, Paul Ponce, Tom Sheulin, Johnny Esparza, Mike George, Leon

Date: 6/24/04 Instrument Used: OVA 128-88

Temperature: 65°

| GRID ID | STAFF INITIALS | START TIME | STOP TIME | TOC PPM | REMARKS |
|---|---|---|---|---|---|
| 1 | CM | 0700 | 0715 | 5 | |
| 2 | PP | 0700 | 0715 | 5 | |
| 3 | MG | 0700 | 0715 | 5 | |
| 4 | TL | 0700 | 0715 | 5 | |
| 5 | TS | 0700 | 0715 | 5 | |
| 6 | Leon | 0700 | 0715 | 5 | |
| 7 | NC | 0700 | 0715 | 5 | |
| 8 | JE | 0700 | 0715 | 5 | |
| 9 | CM | 0715 | 0730 | 5 | |
| 10 | PP | 0715 | 0730 | 5 | |
| 11 | MG | 0715 | 0730 | 5 | |
| 12 | TL | 0715 | 0730 | 5 | |
| 13 | TS | 0715 | 0730 | 5 | |
| 14 | Leon | 0715 | 0730 | 5 | |
| 15 | NC | 0715 | 0730 | 5 | |
| 16 | JE | 0715 | 0730 | 5 | |
| 17 | CM | 0730 | 0745 | 5 | |
| 18 | PP | 0730 | 0745 | 5 | |
| 19 | MG | 0730 | 0745 | 5 | |
| 20 | TL | 0730 | 0745 | 5 | |
| 21 | TS | 0730 | 0745 | 5 | |
| 22 | Leon | 0730 | 0745 | 5 | |
| 23 | NC | 0730 | 0745 | 100,000 | Cracks on Road NEXT TO K Rails |
| 24 | JE | 0730 | 0745 | 10,000 | Cracks under Cars, and around Cars |
| 25 | CM | 0745 | 0800 | 5 | |
| 26 | PP | 0745 | 0800 | 5 | |
| 27 | MG | 0745 | 0800 | 5 | |
| 28 | TL | 0745 | 0800 | 5 | |
| 29 | TS | 0745 | 0800 | 5 | |
| 30 | Leon | 0745 | 0800 | 5 | |

Attach Calibration Sheet
Attach site map showing grid ID

# HEWITT PIT LANDFILL

## INSTANTANEOUS LANDFILL SURFACE MONITORING

Personnel: Craig Markley, Tim Lynch, Noah Cornton, Paul Ponce, Tom Sheulin, Johnny Espinoza, Mike Geozei, Leon

Date: 6/24/04 Instrument Used: OVA 128-88

Temperature: _____

| GRID ID | STAFF INITIALS | START TIME | STOP TIME | TOC PPM | REMARKS |
|---|---|---|---|---|---|
| 31 | NC | 0745 | 0800 | 5 | |
| 32 | JE | 0745 | 0800 | 5 | |
| 33 | CM | 0800 | 0815 | 5 | |
| 34 | PP | 0800 | 0815 | 5 | |
| 35 | MG | 0800 | 0815 | 5 | |
| 36 | TL | 0800 | 0815 | 5 | |
| 37 | TS | 0800 | 0815 | 5 | |
| 38 | Leon | 0800 | 0815 | 5 | |
| 39 | NC | 0800 | 0815 | 5 | |
| 40 | JE | 0800 | 0815 | 5 | |
| 41 | CM | 0815 | 0830 | 5 | |
| 42 | PP | 0815 | 0830 | 5 | |
| 43 | MG | 0815 | 0830 | 5 | |
| 44 | TL | 0815 | 0830 | 5 | |
| 45 | TS | 0815 | 0830 | 5 | |
| 46 | Leon | 0815 | 0830 | 5 | |
| 47 | NC | 0815 | 0830 | 5 | |
| 48 | JE | 0815 | 0830 | 5 | |
| 49 | MG | 0815 | 0830 | 5 | |
| 50 | PP | 0830 | 0845 | 5 | |
| 51 | JE | 0830 | 0845 | 5 | |
| 52 | NC | 0830 | 0845 | 5 | |
| | | | | | |
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| | | | | | |

Attach Calibration Sheet
Attach site map showing grid ID

# LOG OF REMEDIAL WORK FOR INSTANTANEOUS SURFACE MONITORING

Site Name: Hewitt Pit Landfill Monitoring Period: 6-24-04 Personnel: Craig Mackey

| | INITIAL MONITORING | | FIRST | SECOND MONITORING | | SECOND | THIRD MONITORING | |
|---|---|---|---|---|---|---|---|---|
| Grid No. | Date | Toc | Remedial Work | Date | Toc | Remedial Work | Date | Toc |
| 23 | 6/24/04 | 100,000 | Toc, Dirt | 6/24/04 | 50 | | | |
| 24 | 6/24/04 | 10,000 | Toc, Dirt | 6/24/04 | 50 | | | |

1. Monitoring Date
2. TOC Reading in PPM

Signature:

**IES**

**NVIRONMENTAL INC.**

# OVA CALIBRATION LOG

**Landfill:** Hewitt Pit Landfill

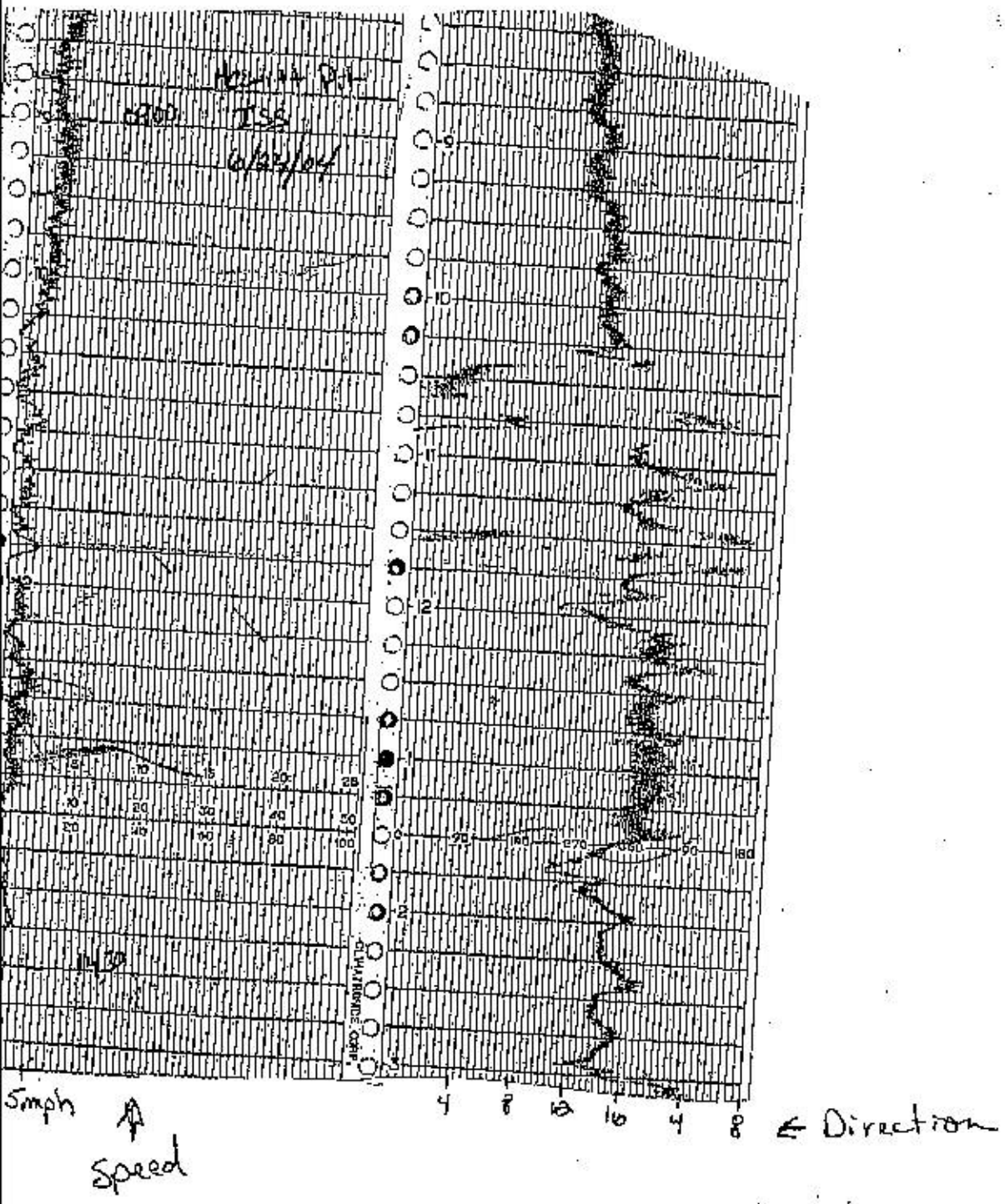
| OPERATOR INITIALS | DATE | BATTERY CHECK | FLOW METER READING | ZONE READING | | | CH4 CALIBRATION GAS UNCORRECTED READINGS | | | | | | CH4 CALIBRATION GAS CORRECTED READINGS | | | | | | 3PT. CALIBRATION CHECK | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 10 | 100 | 1000 | LOW | | MED | | HIGH | | LOW | | MED | | HIGH | | | | |
| | | | | PPM | PPM | PPM | PPM | ACT | PPM | ACT | PPM | ACT | PPM | ACT | PPM | ACT | PPM | ACT | PPM | PPM | PPM |
| CM | 8/6/ | OK | 1.5 | — | — | — | — | — | — | — | 500 | 500 | — | — | — | — | 500 | 500 | — | — | 500 |
| MF | 8/6/ | OK | 1.5 | — | — | — | — | — | — | — | 500 | 500 | — | — | — | — | 500 | 500 | — | — | 500 |
| PP | 8/6/ | OK | 1.5 | — | — | — | — | — | — | — | 500 | 500 | — | — | — | — | 500 | 500 | — | — | 500 |
| JE | 8/6/ | OK | 1.5 | — | — | — | — | — | — | — | 500 | 500 | — | — | — | — | 500 | 500 | — | — | 500 |
| NC | 8/6/ | OK | 1.5 | — | — | — | — | — | — | — | 500 | 500 | — | — | — | — | 500 | 500 | — | — | 500 |
| Leon | 8/6/ | OK | 1.5 | — | — | — | — | — | — | — | 500 | 500 | — | — | — | — | 500 | 500 | — | — | 500 |
| TL | 8/6/ | OK | 1.5 | — | — | — | — | — | — | — | 500 | 500 | — | — | — | — | 500 | 500 | — | — | 500 |
| TS | 8/6/ | OK | 1.5 | — | — | — | — | — | — | — | 500 | 500 | — | — | — | — | 500 | 500 | — | — | 500 |

RES
ENVIRONMENTAL INC.

# OVA CALIBRATION LOG

Landfill: Hewitt Pit Landfill

| OPERATOR INITIALS | DATE | BATTERY CHECK | FLOW METER READING | ZONE READING | | | CH4 CALIBRATION GAS UNCORRECTED READINGS | | | | | | CH4 CALIBRATION GAS CORRECTED READINGS | | | | | | 3PT. CALIBRATION CHECK | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | 10 | 100 | 1000 | LOW | | MED | | HIGH | | LOW | | MED | | HIGH | | | | |
| | | | | PPM | PPM | PPM | PPM | ACT | PPM | ACT | PPM | ACT | PPM | ACT | PPM | ACT | PPM | ACT | PPM | PPM | PPM |
| CM | 9/5/04 | OK | 1.5 | — | — | — | — | — | 50 | 50 | — | — | — | — | 50 | 50 | — | — | — | 50 | — |



Hewitt Pit
ISS
6/24/04
5mph
Speed
4 8 12 16 4 8 ← Direction

RES Environmental Inc.

## 16-POINT WIND DIRECTION INDEX

| NO | DIRECTION | DEGREES FROM | CENTER | TO |
|---|---|---|---|---|
| 16 | NORTH (N) | 348.8 | 360.0 | 011.3 |
| 1 | NORTH-NORTHEAST (NNE) | 011.3 | 022.5 | 033.8 |
| 2 | NORTHEAST (NE) | 033.8 | 045.0 | 056.3 |
| 3 | EAST-NORTHEAST (ENE) | 056.3 | 067.5 | 078.8 |
| 4 | EAST (E) | 078.8 | 090.0 | 101.3 |
| 5 | EAST-SOUTHEAST (ESE) | 101.3 | 112.5 | 123.8 |
| 6 | SOUTHEAST (SE) | 123.8 | 135.0 | 146.3 |
| 7 | SOUTH-SOUTHEAST (SSE) | 146.3 | 157.5 | 168.8 |
| 8 | SOUTH (S) | 168.8 | 180.0 | 191.3 |
| 9 | SOUTH-SOUTHWEST (SSW) | 191.3 | 202.5 | 213.8 |
| 10 | SOUTHWEST (SW) | 213.8 | 225.0 | 236.3 |
| 11 | WEST-SOUTHWEST (WSW) | 236.3 | 247.5 | 258.8 |
| 12 | WEST (W) | 258.8 | 270.0 | 281.3 |
| 13 | WEST-NORTHWEST (WNW) | 281.3 | 292.5 | 303.8 |
| 14 | NORTHWEST (NW) | 303.8 | 315.0 | 326.3 |
| 15 | NORTH-NORTHWEST (NNW) | 326.3 | 337.5 | 348.8 |

865 Via Lata ▪ Colton, California 92324 ▪ (909) 422-1001 Fax (909) 422-0707

# Attachment 5

# TOXIC AIR CONTAMINANTS (TAC) LABORATORY RESULTS

## Probe 39 (75M) – June 24, 2004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JUL 14 2004

AtmAA Inc.
23917 Craftsman Rd., Calabasas, CA 91302 • (818) 223-3277 • FAX (818) 223-8250
environmental consultants
laboratory services

July 12, 2004 LTR/368/04

Brian Millage
GC Environmental
1230 N. Jefferson, Ste. J
Anaheim, CA 92807

re: Hewitt Pit

Dear Brian:

Please find enclosed the laboratory analysis report, quality assurance summary, and the original chain of custody form for one probe Tedlar bag sample received June 24, 2004.

The Tedlar bag sample was analyzed for SCAQMD 1150.1 components, permanent gases, and total gaseous non-methane organics (TGNMO) as requested on the chain of custody form.

Sincerely,

AtmAA, Inc.

Michael L. Porter
Laboratory Director

Encl.
MLP/bwf

AtmAA Inc.
23917 Craftsman Rd., Calabasas, CA 91302 • (818) 223-3277 • FAX (818) 223-8250

environmental consultants
laboratory services

# LABORATORY ANALYSIS REPORT

SCAQMD Rule 1150.1 Components Analysis in Tedlar Bag Sample

Report Date: July 9, 2004
Client: GC Environmental
Project Location: Hewitt Pit Landfill
Client Project No.: 1003-8
Date Received: June 24, 2004
Date Analyzed: June 24 & 25, 2004

| | |
|---|---|
| AtmAA Lab No.: | 01764-27 |
| Sample I.D.: | Hewitt-P75 |
| Components | *(Concentration in %,v)* |
| Nitrogen | 77.8 |
| Oxygen | 21.9 |
| | *(Concentration in ppmv)* |
| Methane | 2.20 |
| Carbon dioxide | 420 |
| TGNMO | 3.64 |
| | *(Concentration in ppbv)* |
| Hydrogen sulfide | <50 |
| Benzene | 0.48 |
| Benzylchloride | <0.4 |
| Chlorobenzene | 0.13 |
| Dichlorobenzenes* | <1.1 |
| 1,1-dichloroethane | <0.1 |
| 1,2-dichloroethane | <0.1 |
| 1,1-dichloroethylene | <0.1 |
| Dichloromethane | 0.29 |
| 1,2-dibromoethane | <0.1 |
| Perchloroethene | 0.30 |
| Carbon tetrachloride | 0.11 |
| Toluene | 4.60 |
| 1,1,1-trichloroethane | <0.1 |
| Trichloroethene | <0.1 |
| Chloroform | <0.1 |
| Vinyl chloride | <0.1 |
| m+p-xylenes | 6.39 |
| o-xylene | 0.98 |

*The accuracy of permanent gas analysis by TCD/GC is +/- 2%, actual results are reported.*
*The reported oxygen concentration includes any argon present in the sample. Calibration is based on a standard atmosphere containing 20.95% oxygen and 0.93% argon.*
*TGNMO is total gaseous non-methane organics measured and reported as ppm methane.*
** total amount containing meta, para, and ortho isomers*

*Michael L. Porter*
*Laboratory Director*

QUALITY ASSURANCE SUMMARY
*(Repeat Analyses)*

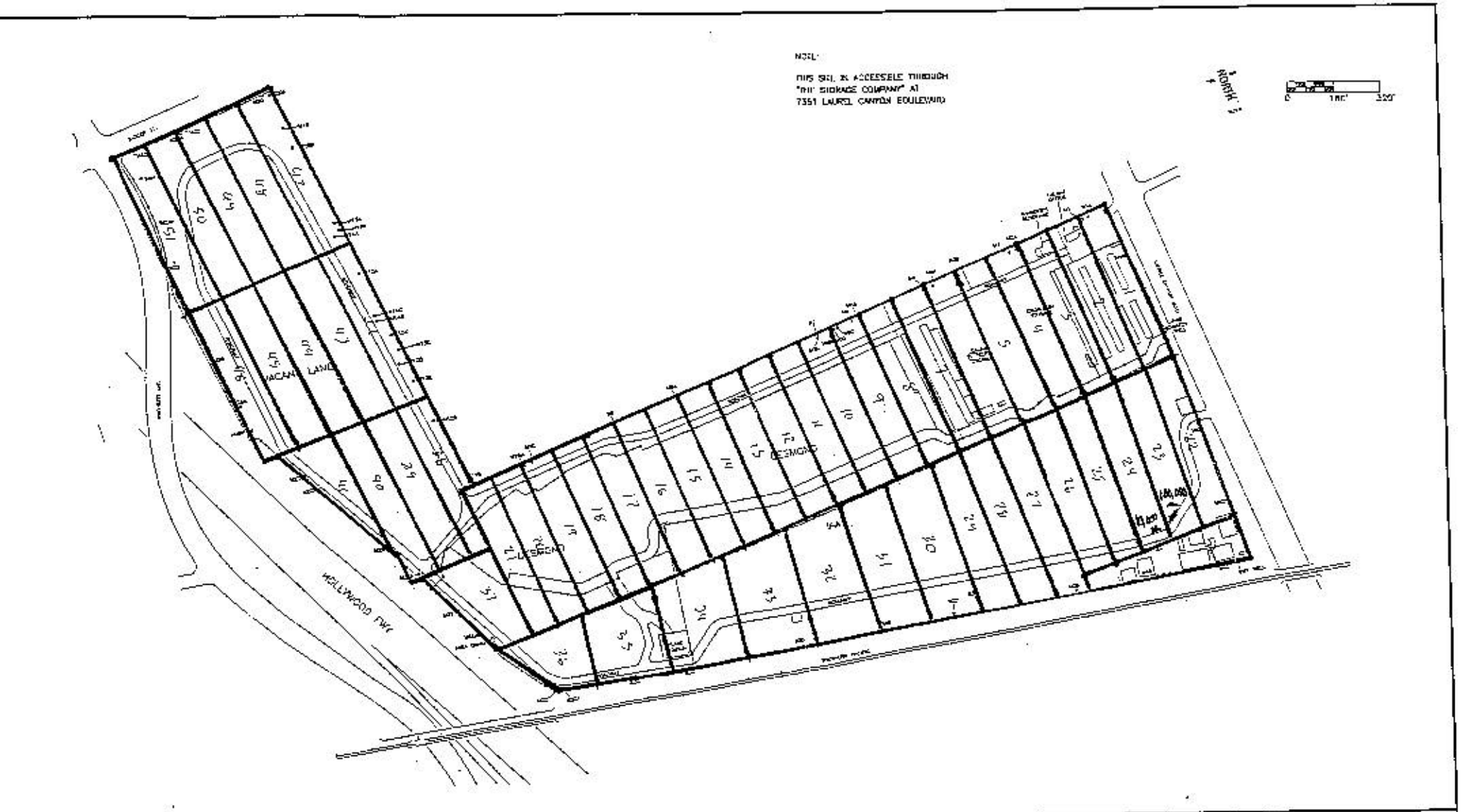
Client Project No.: 1003-8
Date Received: June 24, 2004
Date Analyzed: June 24 & 25, 2004

| Components | Sample ID | Repeat Analysis Run #1 | Repeat Analysis Run #2 | Mean Conc. | % Diff. From Mean |
|---|---|---|---|---|---|
| | | *(Concentration in %,v)* | | | |
| Nitrogen | Hewitt-P75 | 77.7 | 77.8 | 77.8 | 0.064 |
| Oxygen | Hewitt-P75 | 21.9 | 21.9 | 21.9 | 0.0 |
| | | *(Concentration in ppmv)* | | | |
| Methane | Hewitt-P75 | 2.30 | 2.10 | 2.20 | 4.5 |
| Carbon dioxide | Hewitt-P75 | 422 | 419 | 420 | 0.36 |
| TGNMO | Hewitt-P75 | 3.71 | 3.56 | 3.64 | 2.1 |
| | | *(Concentration in ppbv)* | | | |
| Hydrogen sulfide | Hewitt-P75 | <50 | <50 | --- | — |
| Benzene | Hewitt-P75 | 0.47 | 0.50 | 0.48 | 3.1 |
| Benzylchloride | Hewitt-P75 | <0.4 | <0.4 | --- | — |
| Chlorobenzene | Hewitt-P75 | 0.13 | 0.13 | 0.13 | 0.0 |
| Dichlorobenzenes | Hewitt-P75 | <1.1 | <1.1 | — | — |
| 1,1-dichloroethane | Hewitt-P75 | <0.1 | <0.1 | — | — |
| 1,2-dichloroethane | Hewitt-P75 | <0.1 | <0.1 | — | — |
| 1,1-dichloroethylene | Hewitt-P75 | <0.1 | <0.1 | — | — |
| Dichloromethane | Hewitt-P75 | 0.29 | 0.29 | 0.29 | 0.0 |
| 1,2-dibromoethane | Hewitt-P75 | <0.1 | <0.1 | --- | --- |
| Perchloroethene | Hewitt-P75 | 0.29 | 0.30 | 0.30 | 1.7 |
| Carbon tetrachloride | Hewitt-P75 | 0.11 | 0.11 | 0.11 | 0.0 |
| Toluene | Hewitt-P75 | 4.64 | 4.57 | 4.60 | 0.76 |

QUALITY ASSURANCE SUMMARY
*(Repeat Analyses)*
*(continued)*

| Components | Sample ID | Repeat Analysis Run #1 | Repeat Analysis Run #2 | Mean Conc. | % Diff. From Mean |
|---|---|---|---|---|---|
| | | *(Concentration in ppbv)* | | | |
| 1,1,1-trichloroethane | Hewitt-P75 | <0.1 | <0.1 | --- | --- |
| Trichloroethene | Hewitt-P75 | <0.1 | <0.1 | --- | --- |
| Chloroform | Hewitt-P75 | <0.1 | <0.1 | --- | --- |
| Vinyl chloride | Hewitt-P75 | <0.1 | <0.1 | --- | --- |
| m+p-xylenes | Hewitt-P75 | 6.43 | 6.35 | 6.39 | 0.62 |
| o-xylene | Hewitt-P75 | 1.00 | 0.95 | 0.98 | 2.6 |

*One Tedlar bag sample, laboratory number 01764-27, was analyzed for SCAQMD Rule 1150.1 components, permanent gases, and total gaseous non-methane organics (TGNMO). Agreement between repeat analyses is a measure of precision and is shown above in the column "% Difference from Mean". Repeat analyses are an important part of AtmAA's quality assurance program. The average % Difference from Mean for 13 repeat measurements from the one Tedlar bag sample is 1.2%.*




| NO. | DATE | DESCRIPTION | BY |
|---|---|---|---|

CLIENT:
CALMAT - VULCAN MATERIALS DIVISION
1601 E. UNIVERSITY DRIVE
PHOENIX, AZ 85034

PROJECT LOCATION:
HEWITT PIT LANDFILL
7351 LAUREL CANYON BLVD.
NORTH HOLLYWOOD, CA

GC ENVIRONMENTAL, INC.
1220 N. JEFFERSON
SUITE J
ANAHEIM, CA 92801

DESCRIPTION:
ISS AND ISM MONITORING
GRID PATTERN

REF. DWGS.
NONE

PROJECT NO.
1000-6

FILE NAME

SHEET:
FIG-2

# CHAIN OF CUSTODY RECORD

| | |
|---|---|
| Client/Project Name: GC Environmental, Inc. | Project Location: Hewitt Pit Landfill, North Hollywood, CA |
| Project No.: 1003-8 Hewitt Pit | Field Logbook No. |
| Sampler: (Signature) Brian Millage | Chain of Custody Tape No. |

ANALYSES REQUESTED

| Sample No./ Identification | Type of Sample | AtmAA Lab Number | Sampling Date | Sampling Time | Permanent Gases | TGNMO | 1150.1 List | | | | Special Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Hewitt - P75 | 1L Tedlar bag | 01764-37 | 6/24/04 | 1130 | X | X | X | | | | |
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| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time |
|---|---|---|---|---|---|
| B. Millage | 6/24/04 | 1500 | | | |
| Relinquished by: (Signature) | Date | Time | Received by: (Signature) | Date | Time |
| | | | | | |
| Relinquished by: (Signature) | Date | Time | Received for Laboratory by: (Signature) | Date | Time |
| | | | | 6/25/04 | 15:00 |

**Sample Collector Info**

Company: GC Environmental, Inc.
Street Address: 1230 N. Jefferson St., Suite J
City/State/Zip: Anaheim, CA 92807
Telephone No.: 714-632-9969
Fax No.: 714-632-9968

**Analytical Laboratory**

AtmAA Inc.
23917 Craftsman Rd.
Calabasas, CA 91302
TEL: (818) 223-3277
FAX: (818) 223-8250

# HEWITT PIT LANDFILL

## INTEGRATED LANDFILL SURFACE MONITORING

Personnel: Craig Markley, Leon, Tom Shurlin, Mike George, Noah Cordison, Tim Lynch, Paul Ponce, Johnny Espinoza

Date: 6/24/04 Instrument Used: ISS 1-8

Temperature: 78°

| GRID ID | STAFF INITIALS | START TIME | STOP TIME | TOC PPM | ROTO-MTR, CC/MIN | WIND SPEED, MPH/DIRECT | REMARKS |
|---|---|---|---|---|---|---|---|
| 51 | MG | 0920 | 0945 | 2 | .333 | 4/12 | |
| 50 | PP | 0920 | 0945 | 2 | | 4/12 | |
| 49 | Leon | 0920 | 0945 | 2 | | 4/12 | |
| 48 | NC | 0920 | 0945 | 5 | | 4/12 | |
| 47 | JE | 0920 | 0945 | 4 | | 4/12 | |
| 46 | TS | 0920 | 0945 | 4 | | 4/12 | |
| 45 | TL | 0920 | 0945 | 4 | | 4/12 | |
| 44 | MG | 0950 | 1015 | 2 | | 3/13 | |
| 43 | PP | 0950 | 1015 | 2 | | 3/13 | |
| 42 | Leon | 0950 | 1015 | 2 | | 3/13 | |
| 41 | NC | 0950 | 1015 | 2 | | 3/13 | |
| 40 | JE | 0950 | 1015 | 4 | | 3/13 | |
| 39 | TS | 0950 | 1015 | 4 | | 3/13 | |
| 38 | TL | 0950 | 1015 | 2 | | 3/13 | |
| 37 | MG | 1020 | 1045 | 3 | | 1/2 | |
| 21 | PP | 1020 | 1045 | 3 | | 1/2 | |
| 20 | Leon | 1020 | 1045 | 3 | | 1/2 | |
| 19 | NC | 1020 | 1045 | 3 | | 1/2 | |
| 18 | JE | 1020 | 1045 | 3 | | 1/2 | |
| 17 | TS | 1020 | 1045 | 3 | | 1/2 | |
| 16 | TL | 1020 | 1045 | 3 | | 1/2 | |
| 36 | MG | 1200 | 1225 | 2 | | 2/1 | |
| 35 | PP | 1200 | 1225 | 2 | | 2/1 | |
| 34 | Leon | 1200 | 1225 | 2 | | 2/1 | |
| 33 | NC | 1200 | 1225 | 4 | | 2/1 | |
| 32 | JE | 1200 | 1225 | 4 | | 2/1 | |
| 31 | TS | 1200 | 1225 | 2 | | 2/1 | |
| 30 | TL | 1200 | 1225 | 2 | | 2/1 | |
| 29 | MG | 1230 | 1255 | 4 | | 2/1 | |
| 28 | PP | 1230 | 1255 | 4 | | 2/1 | |

Attach Calibration Sheet
Attach site map showing grid ID

# HEWITT PIT LANDFILL

## INTEGRATED LANDFILL SURFACE MONITORING

Personnel: Craig Markley, Lean, Tom Sherlin, Mike Leagei, Noah Conton, Tim Lynch, Paul Pance, Johnny Esparza

Date: 6/24/04 Instrument Used: ISS 1-8

Temperature: _____

| GRID ID | STAFF INITIALS | START TIME | STOP TIME | TOC PPM | ROTO-MTR, CC/MIN | WIND SPEED, MPH/DIRECT | REMARKS |
|---|---|---|---|---|---|---|---|
| 27 | Lean | 1230 | 1255 | 2 | .333 | 2/1 | |
| 26 | NC | 1230 | 1255 | 2 | | 2/1 | |
| 25 | JE | 1230 | 1255 | 2 | | 2/1 | |
| 24 | TS | 1230 | 1255 | 3 | | 2/1 | |
| 23 | TL | 1230 | 1255 | 4 | | 2/1 | |
| 22 | MG | 1300 | 1325 | 4 | | 2/1 | |
| 15 | PP | 1300 | 1325 | 2 | | 2/1 | |
| 14 | Lean | 1300 | 1325 | 2 | | 2/1 | |
| 13 | NC | 1300 | 1325 | 2 | | 2/1 | |
| 12 | JE | 1300 | 1325 | 2 | | 2/1 | |
| 11 | TS | 1300 | 1325 | 2 | | 2/1 | |
| 10 | TL | 1300 | 1325 | 2 | | 2/1 | |
| 9 | MG | 1330 | 1355 | 2 | | 1/14 | |
| 8 | PP | 1330 | 1355 | 2 | | 1/14 | |
| 7 | Lean | 1330 | 1355 | 2 | | 1/14 | |
| 6 | NC | 1330 | 1355 | 2 | | 1/14 | |
| 5 | JE | 1330 | 1355 | 2 | | 1/14 | |
| 4 | TS | 1330 | 1355 | 4 | | 1/14 | |
| 3 | TL | 1330 | 1355 | 4 | | 1/14 | |
| 2 | TS | 1400 | 1425 | 2 | | 2/14 | |
| 1 | TL | 1400 | 1425 | 2 | | 2/14 | |
| 52 | JE | 1400 | 425 | 2 | | 2/14 | |
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Attach Calibration Sheet
Attach site map showing grid ID