QUARTERLY AIR QUALITY MONITORING REPORT FOR THE HEWITT PIT LANDFILL

Second Quarter
April - June 2001

Submitted to

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
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On behalf of

CALMAT PROPERTIES
3200 San Fernando Road
Los Angeles, California 90065

PROJECT NUMBER 1003-1
August 2001

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SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
1150.1 QUARTERLY MONITORING REPORT FOR THE
HEWITT PIT LANDFILL
SECOND QUARTER 2001

Prepared for:
CALMAT PROPERTIES
3200 San Fernando Road
Los Angeles, California 90065

Project 1003-1

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AIR QUALITY MONITORING REPORT

for the

HEWITT PIT LANDFILL

Project Number 1003-1
April - June 2001

TABLE OF CONTENTS

Section **Page**

1.0 INTRODUCTION 1

2.0 MONITORING PROCEDURES 2

2.1 Gas Migration Monitoring 2
2.2 Integrated Landfill Surface Sampling 2
2.3 Instantaneous Landfill Surface Monitoring 3

3.0 RESULTS 5

3.1 Gas Migration Monitoring Results 5
3.2 Integrated Surface Sampling Results 5
3.3 Instantaneous Landfill Surface Monitoring Results 6

4.0 LIMITATIONS 7

Figures

1 INSTANTANEOUS LANDFILL SURFACE MONITORING AND SAMPLING GRID LOCATION MAP
2 MONITORING PROBES LOCATION MAP

Attachments

1 GAS MONITORING PROBE DATA
2 INTEGRATED LANDFILL SURFACE SAMPLING RESULTS
3 INSTANTANEOUS LANDFILL SURFACE MONITORING LOGS
4 INTEGRATED LANDFILL SURFACE SAMPLING AND LABORATORY RESULTS

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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. No exceedances were measured in the probe monitoring performed. The highest methane level recorded for the period was 0.3% at Probe 43 on May 8, 2001.

Twelve (12) specific points on the landfill (**Figure 1**) exceeded 1000 parts per million volume (ppmv) during the instantaneous surface monitoring performed on July 9, 2001. Repairs to those areas were made and twenty-one (21) days later on July 30, 2001, all twelve areas were measured at under 500 ppmv. All grids on the integrated surface monitoring were below 50 ppmv during surface sampling in July 9, 2001.

The conditions of the plan and the monitoring 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 were no exceedances measured during this quarter. Probe monitoring data is attached to this report as **Attachment 1**. Monitoring was performed weekly for most of this quarter.
TACs in probes.	Annually 3rd Quarterly Report	Not required for this event.
Integrated surface sampling to be less than 50 ppmv as TOCs.	Annually 2nd Quarterly Report	Results shown as **Attachment 2.** All grids passed.
Instantaneous surface monitoring to be less than 500 ppmv as TOCs.	Annually 2nd Quarterly Report	Results shown as **Attachment 3.**
TOCs and TACs in the main gas collection header.	Annually 4th Quarterly Report	Not required for this event.
Flare source test and 98% destruction of NMOCs.	Annually 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 2001, 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 2**. 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, Datafield location conversion table and gas component concentrations for each probe are summarized in **Attachment 1**.

2.2 Integrated Landfill Surface Sampling

Integrated surface sampling (ISS) was conducted in each of the 52 monitoring grids of the landfill (**Figure 1**). 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.

During the sampling, the probe was maintained between 0 and 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. 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, percent methane, and total non-methane organic compounds. Chain of custody records was kept for each sample. Total methane and non-methane organic compounds in the samples were less than 5 ppmv. Lab results are in **Attachment 4.**

2.3 Instantaneous Landfill Surface Monitoring

Instantaneous surface monitoring (ISM) was conducted over the entire disposal area that is 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 is 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 handheld anemometer with recorder.

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Equipment Detailed Description

A portable flame ionization detector (FID - Foxboro Century 108 Organic Vapor Analyzer) was used to instantaneously measure the concentration of total organic compounds (TOC) no more than 3 inches above the landfill surface.

The equipment specifications are as follows:

Range:		0 to 10,000 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 108 (OVA) was activated and calibrated using 50 and 500 parts per million volume (ppmv) methane standards. The instrument number was recorded on the data forms, and calibration was documented in the Instrument Calibration Log (**Attachment 3**).

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 recorded every 150 to 250 feet, at unusual readings, cap failure or fissures, and whenever a reading exceeded 500 ppmv. Readings were recorded on a field form. Wind speed and direction were monitored continuously using an anemometer. 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. The cap was then repaired and the measurement was repeated. The final reading was recorded at the completion of ISM.

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3.0 RESULTS

3.1 Gas Migration Monitoring Results

The 45 perimeter gas monitoring probes were monitored at least monthly for percent methane, percent oxygen, and pressure. At no time was methane recorded over 5 percent by volume in any probe during the second quarter. The highest detected methane reading during the second quarter was at monitoring probe number 43 on May 8, 2001, when the indicated methane concentration was 0.3 percent.

Complete results of the gas probe monitoring are included in **Attachment 1.**

3.2 Integrated Surface Sampling Results

Integrated surface sampling was performed over the entire surface of the landfill on July 9, 2001 and July 30, 2001, as follows:

DATE	GRIDS	TOC RANGE PPMV
July 9, 2001	37-51	4-6
July 9, 2001	9-21	4-6
July 30, 2001	52	5
July 30, 2001	1-8	4-5
July 30, 2001	22-36	4-5

Figure 1 shows the grid pattern used for the testing. 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 number 43 and number 44 on July 30, 2001. 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 integrated surface sampling field data sheets, OVA calibration forms, laboratory results, quality assurance summary and the chain of custody record are included in **Attachment 4.**

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3.3 Instantaneous Landfill Surface Monitoring Results

Instantaneous surface monitoring was conducted on July 9, 2001. Instantaneous surface monitoring grids are shown on **Figure 1**.

There were 12 locations that measured TOC concentration readings above 1000 ppmv during the July 9, 2001 monitoring. Those areas were subsequently repaired and retested on July 30, 2001. There were no TOC concentration readings that exceeded the established regulatory standard of 500 ppmv during the July 30, 2001 monitoring event. ISM data for this event is shown in **Attachment 3**.

Instantaneous wind speed was monitored and did not exceed 10 miles per hour. The monitored wind speeds throughout the monitoring event ranged from 0 to 8 miles per hour.

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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 of such intended use. Non-compliance with any of these requirements by the client or anyone else will release GC Environmental from any liability resulting from the use of this report by any unauthorized party.

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FIGURES

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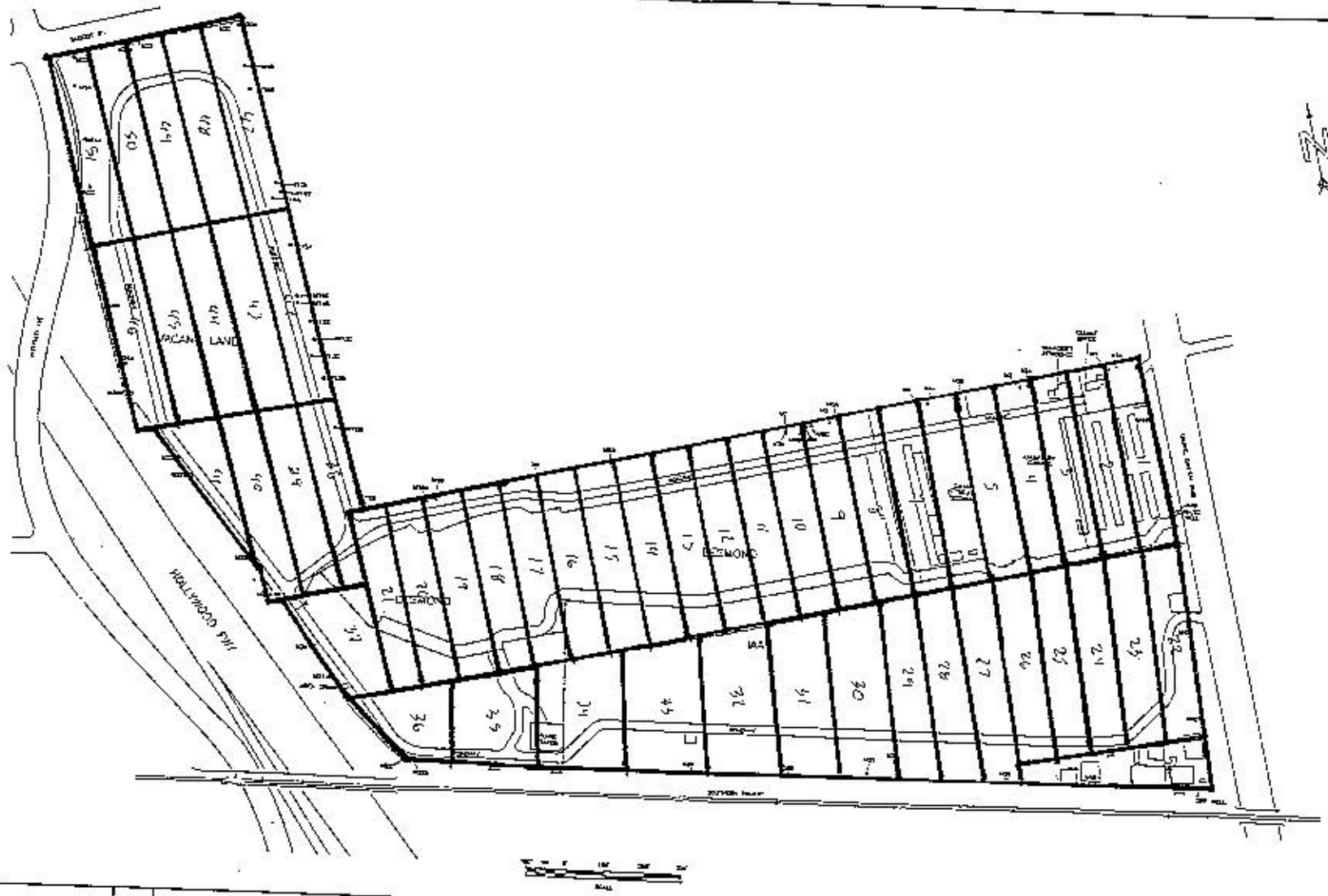


DATE	DESCRIPTION	BY

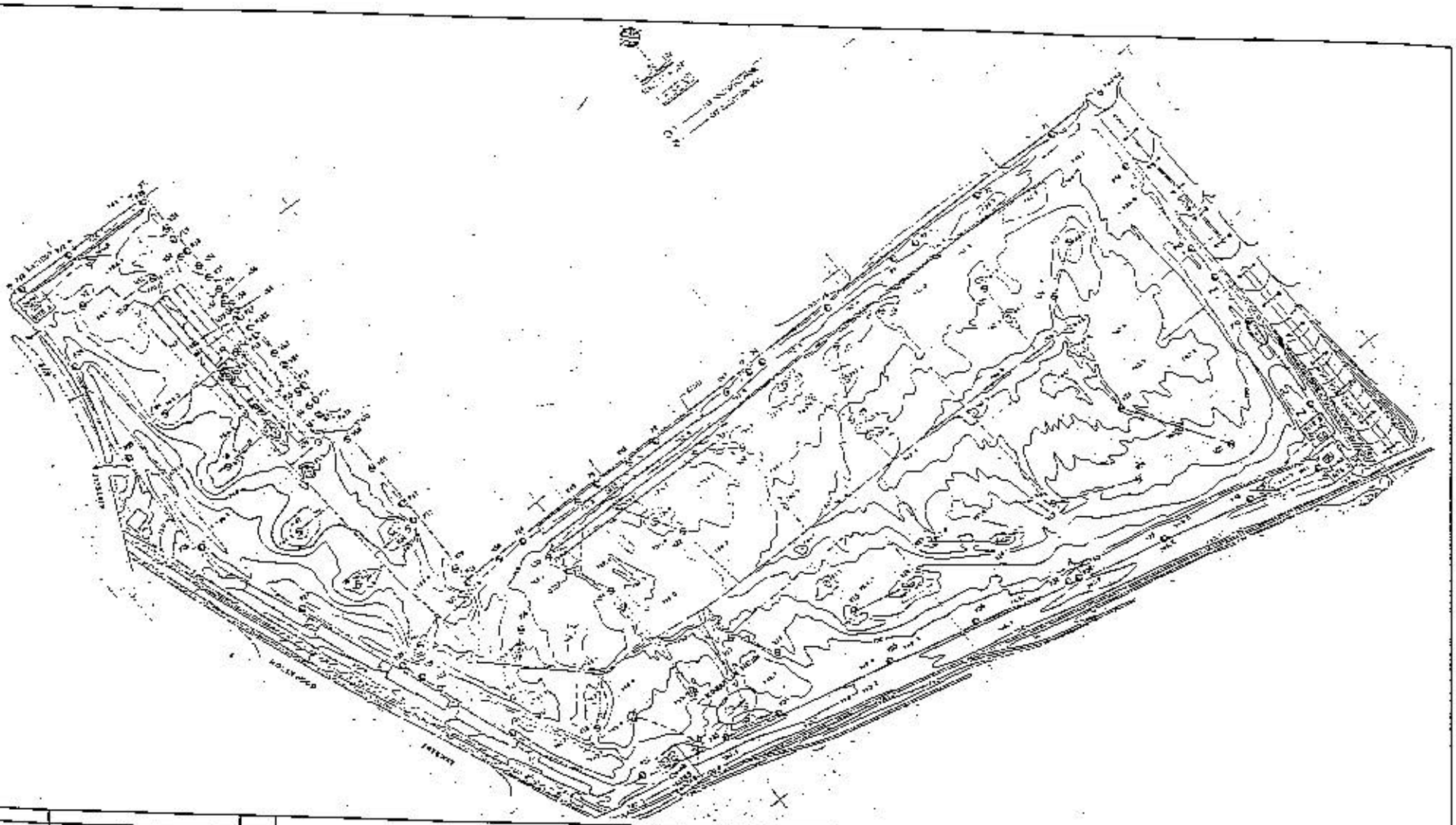
ENGINEER: GC ENVIRONMENTAL, INC.
1230 NORTH JEFFERSON ST. SUITE J
ANAHEIM CA. 92807, (714) 632-0985

PROJECT LOCATION: HEWITT PIT LANDFILL
N. HOLLYWOOD, CA

DESCRIPTION: ISM & ISS GRID LOCATIONS

PROJECT NO 1003-1 | REF. DWGS. | FILE NAME

SHEET FIG. 1



REV.	DATE	DESCRIPTION	BY

ENGINEER: GC ENVIRONMENTAL, INC.
1230 NORTH JEFFERSON ST. SUITE J
ANAHEIM CA. 92807. (714) 833-9969

PROJECT LOCATION: HEWITT PIT LANDFILL
N. HOLLYWOOD, CA

DESCRIPTION: GAS MONITORING PROBE LOCATIONS

PROJECT NO. 1003-1 | DES. DWG. | FILE NAME

SHEET: FIG. 2

Attachment 1

GAS MONITORING

PROBE DATA

April 3, 2001 to June 26, 2001

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Hewitt Pit
Probe I.D. Cross Reference List

BY DATAFIELD	
Probe ID Datafield	Monitoring Probe ID's
HWPT0001	1
HWPT0002	1A
HWPT0003	2
HWPT0004	2A
HWPT0005	3B
HWPT0006	4
HWPT0007	4A
HWPT0008	5
HWPT0009	5A
HWPT0010	6B
HWPT0011	6C
HWPT0012	6D
HWPT0013	7
HWPT0014	7A
HWPT0015	8A
HWPT0016	9
HWPT0017	10
HWPT0018	10A
HWPT0019	11B
HWPT0020	12B
HWPT0021	13B
HWPT0022	13D
HWPT0023	13C
HWPT0024	1B'
HWPT0025	1C'
HWPT0026	13X
HWPT0027	14B
HWPT0028	14C
HWPT0029	2B'
HWPT0030	2C'
HWPT0031	15A
HWPT0032	3B'
HWPT0033	3C'
HWPT0034	4B'
HWPT0035	4C'
HWPT0036	16A
HWPT0037	5B'
HWPT0038	5C'
HWPT0039	16X
HWPT0040	17A
HWPT0041	6A'
HWPT0042	6C'

BY DATAFIELD	
Probe ID Datafield	Monitoring Probe ID's
HWPT0043	7B'
HWPT0044	7C'
HWPT0045	18B
HWPT0046	8B
HWPT0047	8C'
HWPT0048	19
HWPT0049	20
HWPT0050	20A
HWPT0051	22
HWPT0052	22A
HWPT0053	23
HWPT0054	24
HWPT0055	24A
HWPT0056	25
HWPT0057	25A
HWPT0058	26
HWPT0059	26A
HWPT0060	26B
HWPT0061	27
HWPT0062	27A
HWPT0063	28
HWPT0064	30A
HWPT0065	31
HWPT0066	31A
HWPT0067	32
HWPT0068	32A
HWPT0069	33
HWPT0070	34
HWPT0071	35
HWPT0072	36B
HWPT0073	37
HWPT0074	38
HWPT0075	39
HWPT0076	40
HWPT0077	41
HWPT0078	42
HWPT0079	43
HWPT0080	45
HWPT0081	46

Hewitt Pit
Probe Report for All Probes
4/01/2001 to 4/30/2001

Probe ID	Date	Gas Composition				Pressure	
		CH4	O2	CO2	N2-Bal	Static	Atmospheric
HWPT0001	4/3/01	0.00	20.60	0.00	79.40	0.01	0.00
HWPT0002	4/3/01	0.00	16.80	3.80	79.40	0.02	-0.10
HWPT0003	4/3/01	0.00	20.50	0.20	79.30	0.00	-0.10
HWPT0004	4/3/01	0.00	20.20	0.80	79.00	0.03	0.00
HWPT0005	4/3/01	0.00	20.60	0.00	79.40	0.00	0.00
HWPT0006	4/3/01	0.00	20.40	0.10	79.50	0.08	-0.10
HWPT0007	4/3/01	0.00	20.60	0.00	79.40	0.04	0.00
HWPT0008	4/3/01	0.00	20.60	0.00	79.40	0.43	-0.40
HWPT0009	4/3/01	0.00	20.50	0.20	79.30	0.13	-0.20
HWPT0010	4/3/01	0.00	19.50	1.10	79.40	0.26	-0.30
HWPT0011	4/3/01	0.00	15.20	1.10	83.70	0.03	0.00
HWPT0012	4/3/01	0.00	20.10	0.30	79.60	0.13	-0.20
HWPT0013	4/3/01	0.00	20.50	0.00	79.50	0.00	0.00
HWPT0014	4/3/01	0.00	20.60	0.00	79.40	0.00	0.00
HWPT0015	4/3/01	0.00	19.50	0.90	79.60	0.06	-0.10
HWPT0016	4/3/01	0.00	20.60	0.00	79.40	0.07	-0.10
HWPT0017	4/3/01	0.00	20.00	0.30	79.70	0.05	-0.10
HWPT0018	4/3/01	0.00	20.40	0.10	79.50	0.00	0.00
HWPT0019	4/3/01	0.00	20.60	0.00	79.40	0.07	0.00
HWPT0020	4/3/01	0.00	20.50	0.00	79.50	0.05	0.00
HWPT0021	4/3/01	0.00	20.00	0.40	79.60	0.02	0.00
HWPT0022	4/3/01	0.00	20.60	0.00	79.40	0.03	0.00
HWPT0023	4/3/01	0.00	19.40	0.90	79.70	0.02	0.00
HWPT0024	4/3/01	0.00	20.30	0.10	79.60	0.06	0.00
HWPT0025	4/3/01	0.00	20.00	0.40	79.60	0.03	0.00
HWPT0026	4/3/01	0.00	20.50	0.00	79.50	0.00	0.00
HWPT0027	4/3/01	0.00	20.40	0.00	79.60	-1.96	1.80
HWPT0028	4/3/01	0.00	20.60	0.00	79.40	0.00	0.00
HWPT0029	4/3/01	0.00	20.40	0.10	79.50	0.02	0.00
HWPT0030	4/3/01	0.00	20.60	0.00	79.40	0.02	0.00
HWPT0031	4/3/01	0.00	20.30	0.00	79.70	-0.04	0.00
HWPT0032	4/3/01	0.00	20.20	0.20	79.60	0.04	0.00
HWPT0033	4/3/01	0.00	20.60	0.00	79.40	0.20	-0.10
HWPT0034	4/3/01	0.00	19.20	1.20	79.60	0.09	0.00
HWPT0035	4/3/01	0.00	20.60	0.00	79.40	0.05	0.00
HWPT0036	4/3/01	0.00	14.20	6.50	79.30	0.09	0.00
HWPT0037	4/3/01	0.00	20.20	0.00	79.80	0.12	0.00
HWPT0038	4/3/01	0.00	20.60	0.00	79.40	0.08	0.00
HWPT0039	4/3/01	0.00	20.60	0.00	79.40	0.00	0.00

Hewitt Pit

Probe Report for All Probes

4/01/2001 to 4/30/2001

Probe ID	Date	Gas Composition				Pressure	
		CH4	O2	CO2	N2-Bal	Static	Atmospheric
HWPT0040	4/3/01	0.00	20.40	0.20	79.40	-0.64	0.60
HWPT0041	4/3/01	0.00	20.60	0.00	79.40	0.04	0.00
HWPT0042	4/3/01	0.00	20.50	0.00	79.50	0.03	0.00
HWPT0043	4/3/01	0.00	19.00	1.30	79.70	0.00	0.00
HWPT0044	4/3/01	0.00	19.90	0.50	79.60	0.00	0.00
HWPT0045	4/3/01	0.00	18.50	2.10	79.40	0.00	0.00
HWPT0046	4/3/01	0.00	20.60	0.00	79.40	0.04	0.00
HWPT0047	4/3/01	0.00	20.60	0.00	79.40	0.00	0.00
HWPT0048	4/3/01	0.00	19.90	0.80	79.30	0.00	0.00
HWPT0049	4/3/01	0.00	18.50	2.20	79.30	-0.02	0.00
HWPT0050	4/3/01	0.00	18.70	1.60	79.70	0.00	0.00
HWPT0051	4/3/01	0.00	18.90	1.20	79.90	-0.02	0.00
HWPT0052	4/3/01	0.00	20.10	0.40	79.50	0.00	0.00
HWPT0053	4/3/01	0.00	20.40	0.10	79.50	-0.02	0.00
HWPT0054	4/3/01	0.00	20.60	0.00	79.40	0.02	0.00
HWPT0055	4/3/01	0.00	20.60	0.00	79.40	0.01	0.00
HWPT0056	4/3/01	0.00	20.60	0.00	79.40	0.00	0.00
HWPT0057	4/3/01	0.00	20.60	0.00	79.40	0.00	0.00
HWPT0058	4/3/01	0.00	20.60	0.00	79.40	0.00	0.00
HWPT0059	4/3/01	0.00	20.60	0.00	79.40	0.00	0.00
HWPT0060	4/3/01	0.00	20.00	0.50	79.50	0.00	0.00
HWPT0061	4/3/01	0.00	20.20	0.30	79.50	-0.01	0.00
HWPT0062	4/3/01	0.00	18.90	1.40	79.70	0.01	0.00
HWPT0063	4/3/01	0.00	19.80	0.50	79.70	0.00	0.00
HWPT0064	4/3/01	0.00	19.60	1.10	79.30	-0.31	0.20
HWPT0065	4/3/01	0.00	20.60	0.00	79.40	0.00	0.00
HWPT0066	4/3/01	0.00	20.60	0.00	79.40	0.00	0.00
HWPT0067	4/3/01	0.00	20.60	0.00	79.40	0.00	0.00
HWPT0068	4/3/01	0.00	20.60	0.00	79.40	0.00	0.00
HWPT0069	4/3/01	0.00	20.10	0.40	79.50	0.00	0.00
HWPT0070	4/3/01	0.00	18.40	1.50	80.10	0.00	0.00
HWPT0071	4/3/01	0.00	20.50	0.00	79.50	-0.01	0.00
HWPT0072	4/3/01	0.00	16.30	4.40	79.30	0.00	0.00
HWPT0073	4/3/01	0.00	19.80	0.80	79.40	-0.02	0.00
HWPT0074	4/3/01	0.00	20.60	0.00	79.40	-0.03	0.00
HWPT0075	4/3/01	0.00	20.40	0.20	79.40	-0.01	0.00
HWPT0076	4/3/01	0.00	20.60	0.10	79.30	-0.01	0.00
HWPT0077	4/3/01	0.00	20.70	0.00	79.30	-0.04	0.00
HWPT0078	4/3/01	0.00	19.10	1.30	79.60	-0.05	0.00

Hewitt Pit

Probe Report for All Probes

4/01/2001 to 4/30/2001

Probe ID	Date	Gas Composition				Pressure	
		CH4	O2	CO2	N2-Bal	Static	Atmospheric
HWPT0079	4/3/01	0.00	20.00	0.10	79.90	0.01	0.00
HWPT0080	4/3/01	0.00	20.80	0.00	79.20	0.02	0.00
HWPT0081	4/3/01	0.00	20.70	0.00	79.30	0.00	0.00
HWPT0001	4/10/01	0.00	20.60	0.00	79.40	0.00	0.00
HWPT0002	4/10/01	0.00	19.40	0.00	80.60	-0.03	0.00
HWPT0003	4/10/01	0.00	19.20	0.00	80.80	0.02	0.00
HWPT0004	4/10/01	0.00	19.60	0.00	80.40	0.00	0.00
HWPT0005	4/10/01	0.00	20.20	0.00	79.80	0.02	0.00
HWPT0006	4/10/01	0.00	16.40	0.00	83.60	0.04	0.00
HWPT0007	4/10/01	0.00	17.40	0.00	82.60	0.04	0.00
HWPT0008	4/10/01	0.00	20.40	0.00	79.60	0.00	0.00
HWPT0009	4/10/01	0.00	20.60	0.00	79.40	-0.02	0.00
HWPT0010	4/10/01	0.00	19.80	0.00	80.20	0.00	0.00
HWPT0011	4/10/01	0.00	16.70	0.00	83.30	0.00	0.00
HWPT0012	4/10/01	0.00	19.60	0.00	80.40	0.02	0.00
HWPT0013	4/10/01	0.00	20.60	0.00	79.40	0.00	0.00
HWPT0014	4/10/01	0.00	20.80	0.00	79.20	0.00	0.00
HWPT0015	4/10/01	0.00	17.80	0.00	82.20	0.02	0.00
HWPT0016	4/10/01	0.00	20.30	0.00	79.70	-0.02	0.00
HWPT0017	4/10/01	0.00	19.80	0.00	80.20	0.00	0.00
HWPT0018	4/10/01	0.00	20.20	0.00	79.80	0.00	0.00
HWPT0019	4/10/01	0.00	20.70	0.00	79.30	-0.02	0.00
HWPT0020	4/10/01	0.00	20.80	0.00	79.20	0.00	0.00
HWPT0021	4/10/01	0.00	20.60	0.00	79.40	0.00	0.00
HWPT0022	4/10/01	0.00	20.20	0.00	79.80	0.02	0.00
HWPT0023	4/10/01	0.00	20.60	0.00	79.40	0.00	0.00
HWPT0024	4/10/01	0.00	19.80	0.00	80.20	0.02	0.00
HWPT0025	4/10/01	0.00	19.40	0.00	80.60	0.04	0.00
HWPT0026	4/10/01	0.00	20.40	0.00	79.60	0.02	0.00
HWPT0027	4/10/01	0.00	20.80	0.00	79.20	0.08	0.00
HWPT0028	4/10/01	0.00	20.20	0.00	79.80	0.00	0.00
HWPT0029	4/10/01	0.00	18.40	0.00	81.60	-0.02	0.00
HWPT0030	4/10/01	0.00	20.40	0.00	79.60	0.00	0.00
HWPT0031	4/10/01	0.00	20.20	0.00	79.80	1.20	0.00
HWPT0032	4/10/01	0.00	20.20	0.00	79.80	0.00	0.00
HWPT0033	4/10/01	0.00	20.80	0.00	79.20	0.02	0.00
HWPT0034	4/10/01	0.00	16.40	0.00	83.60	0.02	0.00
HWPT0035	4/10/01	0.00	20.70	0.00	79.30	0.00	0.00
HWPT0036	4/10/01	0.00	10.30	0.00	89.70	-0.02	0.00

Hewitt Pit
Probe Report for All Probes
4/01/2001 to 4/30/2001

Probe ID	Date	Gas Composition				Pressure	
		CH4	O2	CO2	N2-Bal	Static	Atmospheric
HWPT0037	4/10/01	0.00	18.70	0.00	81.30	0.04	0.00
HWPT0038	4/10/01	0.00	17.80	0.00	82.20	0.04	0.00
HWPT0039	4/10/01	0.00	20.10	0.00	79.90	0.00	0.00
HWPT0040	4/10/01	0.00	20.60	0.00	79.40	1.10	0.00
HWPT0041	4/10/01	0.00	17.60	0.00	82.40	0.02	0.00
HWPT0042	4/10/01	0.00	20.20	0.00	79.80	0.00	0.00
HWPT0043	4/10/01	0.00	18.60	0.00	81.40	0.02	0.00
HWPT0044	4/10/01	0.00	20.20	0.00	79.80	0.00	0.00
HWPT0045	4/10/01	0.00	12.40	0.00	87.60	0.02	0.00
HWPT0046	4/10/01	0.00	20.60	0.00	79.40	0.00	0.00
HWPT0047	4/10/01	0.00	20.70	0.00	79.30	0.00	0.00
HWPT0048	4/10/01	0.00	19.60	0.00	80.40	0.00	0.00
HWPT0049	4/10/01	0.00	19.10	0.00	80.90	0.02	0.00
HWPT0050	4/10/01	0.00	18.70	0.00	81.30	0.00	0.00
HWPT0051	4/10/01	0.00	18.80	0.00	81.20	0.04	0.00
HWPT0052	4/10/01	0.00	19.10	0.00	80.90	0.02	0.00
HWPT0053	4/10/01	0.00	20.10	0.00	79.90	0.08	0.00
HWPT0054	4/10/01	0.00	20.10	0.00	79.90	0.02	0.00
HWPT0055	4/10/01	0.00	20.20	0.00	79.80	0.00	0.00
HWPT0056	4/10/01	0.00	19.80	0.00	80.20	0.01	0.00
HWPT0057	4/10/01	0.00	20.10	0.00	79.90	0.02	0.00
HWPT0058	4/10/01	0.00	20.40	0.00	79.60	0.00	0.00
HWPT0059	4/10/01	0.00	19.60	0.00	80.40	0.02	0.00
HWPT0060	4/10/01	0.00	19.40	0.00	80.60	0.02	0.00
HWPT0061	4/10/01	0.00	17.30	0.00	82.70	0.04	0.00
HWPT0062	4/10/01	0.00	16.70	0.00	83.30	0.02	0.00
HWPT0063	4/10/01	0.00	20.40	0.00	79.60	0.00	0.00
HWPT0064	4/10/01	0.00	20.10	0.00	79.90	0.00	0.00
HWPT0065	4/10/01	0.00	18.40	0.00	81.60	0.06	0.00
HWPT0066	4/10/01	0.00	16.70	0.00	83.30	0.08	0.00
HWPT0067	4/10/01	0.00	20.70	0.00	79.30	0.00	0.00
HWPT0068	4/10/01	0.00	20.60	0.00	79.40	0.00	0.00
HWPT0069	4/10/01	0.00	19.80	0.00	80.20	0.00	0.00
HWPT0070	4/10/01	0.00	18.40	0.00	81.60	-0.02	0.00
HWPT0071	4/10/01	0.00	20.60	0.00	79.40	0.00	0.00
HWPT0072	4/10/01	0.00	17.40	0.00	82.60	0.03	0.00
HWPT0073	4/10/01	0.00	20.40	0.00	79.60	0.00	0.00
HWPT0074	4/10/01	0.00	20.60	0.00	79.40	0.00	0.00
HWPT0075	4/10/01	0.00	20.40	0.00	79.60	1.60	0.00

Hewitt Pit
Probe Report for All Probes
4/01/2001 to 4/30/2001

Probe ID	Date	Gas Composition				Pressure	
		CH4	O2	CO2	N2-Bal	Static	Atmospheric
HWPT0076	4/10/01	0.00	19.60	0.00	80.40	0.00	0.00
HWPT0077	4/10/01	0.00	19.80	0.00	80.20	0.00	0.00
HWPT0078	4/10/01	0.00	12.80	0.00	87.20	0.02	0.00
HWPT0079	4/10/01	0.00	16.70	0.00	83.30	0.02	0.00
HWPT0080	4/10/01	0.00	20.20	0.00	79.80	-0.02	0.00
HWPT0081	4/10/01	0.00	19.40	0.00	80.60	0.02	0.00
HWPT0001	4/17/01	0.00	20.20	0.00	79.80	0.01	0.00
HWPT0002	4/17/01	0.00	17.20	2.90	79.90	0.00	0.00
HWPT0003	4/17/01	0.00	20.00	0.20	79.80	-0.05	0.20
HWPT0004	4/17/01	0.00	20.10	0.20	79.70	-0.08	0.20
HWPT0005	4/17/01	0.00	20.10	0.30	79.60	-0.09	0.20
HWPT0006	4/17/01	0.00	19.70	0.40	79.90	-0.08	0.20
HWPT0007	4/17/01	0.00	19.70	0.30	80.00	-0.04	0.20
HWPT0008	4/17/01	0.00	18.70	1.00	80.30	-0.03	0.10
HWPT0009	4/17/01	0.00	20.10	0.20	79.70	0.00	0.00
HWPT0010	4/17/01	0.00	18.30	1.40	80.30	0.10	0.00
HWPT0011	4/17/01	0.00	14.70	1.30	84.00	0.13	0.00
HWPT0012	4/17/01	0.00	18.80	0.70	80.50	0.04	0.00
HWPT0013	4/17/01	0.00	18.70	0.70	80.60	24.71	-49.80
HWPT0014	4/17/01	0.00	20.10	0.00	79.90	0.03	0.00
HWPT0015	4/17/01	0.00	18.90	1.20	79.90	0.04	0.00
HWPT0016	4/17/01	0.00	20.00	0.00	80.00	0.06	0.00
HWPT0017	4/17/01	0.00	19.60	0.40	80.00	0.00	0.00
HWPT0018	4/17/01	0.00	20.00	0.10	79.90	0.01	0.00
HWPT0019	4/17/01	0.00	20.30	0.00	79.70	0.04	0.00
HWPT0020	4/17/01	0.00	20.30	0.00	79.70	0.04	0.00
HWPT0021	4/17/01	0.00	20.40	0.00	79.60	0.03	0.00
HWPT0022	4/17/01	0.00	20.30	0.00	79.70	0.02	0.00
HWPT0023	4/17/01	0.00	20.00	0.10	79.90	0.03	0.00
HWPT0024	4/17/01	0.00	20.10	0.00	79.90	0.05	0.00
HWPT0025	4/17/01	0.00	18.80	1.00	80.20	0.02	0.00
HWPT0026	4/17/01	0.00	20.00	0.00	80.00	0.00	0.00
HWPT0027	4/17/01	0.00	20.00	0.00	80.00	24.71	-117.00
HWPT0028	4/17/01	0.00	20.00	0.20	79.80	0.00	0.00
HWPT0029	4/17/01	0.00	20.20	0.00	79.80	0.04	0.00
HWPT0030	4/17/01	0.00	20.20	0.00	79.80	0.09	0.00
HWPT0031	4/17/01	0.00	20.20	0.00	79.80	24.71	-132.60
HWPT0032	4/17/01	0.00	19.80	0.30	79.90	0.03	0.00
HWPT0033	4/17/01	0.00	20.20	0.00	79.80	0.09	0.00

Hewitt Pit
Probe Report for All Probes
4/01/2001 to 4/30/2001

Probe ID	Date	Gas Composition				Pressure	
		CH4	O2	CO2	N2-Bal	Static	Atmospheric
HWPT0034	4/17/01	0.00	19.70	0.30	80.00	0.04	0.00
HWPT0035	4/17/01	0.00	19.90	0.20	79.90	0.06	0.00
HWPT0036	4/17/01	0.00	15.30	4.90	79.80	0.07	0.00
HWPT0037	4/17/01	0.00	20.10	0.00	79.90	0.09	0.00
HWPT0038	4/17/01	0.00	20.10	0.00	79.90	0.07	0.00
HWPT0039	4/17/01	0.00	20.10	0.10	79.80	0.00	0.00
HWPT0040	4/17/01	0.00	19.80	0.40	79.80	24.71	-50.80
HWPT0041	4/17/01	0.00	20.20	0.00	79.80	0.00	0.00
HWPT0042	4/17/01	0.00	19.40	0.60	80.00	0.00	0.00
HWPT0043	4/17/01	0.00	19.00	1.00	80.00	0.00	0.00
HWPT0044	4/17/01	0.00	19.10	0.90	80.00	0.00	0.00
HWPT0045	4/17/01	0.00	18.50	1.50	80.00	0.00	0.00
HWPT0046	4/17/01	0.00	20.10	0.00	79.90	0.01	0.00
HWPT0047	4/17/01	0.00	20.20	0.00	79.80	0.03	0.00
HWPT0048	4/17/01	0.00	19.70	0.50	79.80	0.00	0.20
HWPT0049	4/17/01	0.00	18.00	2.40	79.60	-0.03	0.20
HWPT0050	4/17/01	0.00	18.30	1.90	79.80	0.00	0.10
HWPT0051	4/17/01	0.00	18.50	1.60	79.90	0.07	0.00
HWPT0052	4/17/01	0.00	19.60	0.40	80.00	0.00	0.20
HWPT0053	4/17/01	0.00	19.80	0.30	79.90	0.04	0.10
HWPT0054	4/17/01	0.00	20.20	0.00	79.80	0.00	0.20
HWPT0055	4/17/01	0.00	20.20	0.00	79.80	0.00	0.00
HWPT0056	4/17/01	0.00	20.30	0.00	79.70	0.04	0.00
HWPT0057	4/17/01	0.00	19.40	0.70	79.90	0.02	0.00
HWPT0058	4/17/01	0.00	20.10	0.00	79.90	0.06	0.00
HWPT0059	4/17/01	0.00	20.30	0.00	79.70	0.04	0.00
HWPT0060	4/17/01	0.00	20.00	0.00	80.00	0.03	0.00
HWPT0061	4/17/01	0.00	19.80	0.20	80.00	0.06	0.00
HWPT0062	4/17/01	0.00	19.30	0.80	79.90	-0.02	0.20
HWPT0063	4/17/01	0.00	19.80	0.10	80.10	-0.02	0.20
HWPT0064	4/17/01	0.00	19.80	0.20	80.00	0.00	0.00
HWPT0065	4/17/01	0.00	19.80	0.00	80.20	24.88	-121.00
HWPT0066	4/17/01	0.00	19.90	0.00	80.10	24.88	-27.60
HWPT0067	4/17/01	0.00	20.00	0.00	80.00	0.00	0.00
HWPT0068	4/17/01	0.00	20.10	0.00	79.90	0.00	0.00
HWPT0069	4/17/01	0.00	19.70	0.30	80.00	0.00	0.00
HWPT0070	4/17/01	0.00	18.60	1.00	80.40	0.07	0.00
HWPT0071	4/17/01	0.00	19.80	0.00	80.20	0.00	0.00
HWPT0072	4/17/01	0.00	20.10	0.00	79.90	0.04	0.00

Hewitt Pit
Probe Report for All Probes
4/01/2001 to 4/30/2001

		Gas Composition				Pressure	
Probe ID	Date	CH4	O2	CO2	N2-Bal	Static	Atmospheric
HWPT0073	4/17/01	0.00	18.60	1.40	80.00	-0.04	0.10
HWPT0074	4/17/01	0.00	20.10	0.00	79.90	0.00	0.00
HWPT0075	4/17/01	0.00	19.60	0.30	80.10	0.03	0.00
HWPT0076	4/17/01	0.00	20.10	0.00	79.90	-0.01	0.00
HWPT0077	4/17/01	0.00	20.40	0.00	79.60	-0.06	0.10
HWPT0077	4/17/01	0.00	20.10	0.00	79.90	0.00	0.00
HWPT0078	4/17/01	0.00	17.40	2.00	80.60	0.00	0.00
HWPT0079	4/17/01	0.00	20.20	0.00	79.80	-0.02	0.00
HWPT0080	4/17/01	0.00	19.40	0.40	80.20	0.02	0.00
HWPT0081	4/17/01	0.00	19.80	0.10	80.10	0.00	0.00
HWPT0001	4/26/01	0.00	20.90	0.10	79.00	0.03	0.00
HWPT0002	4/26/01	0.00	17.50	3.20	79.30	0.01	0.00
HWPT0003	4/26/01	0.00	20.40	0.70	78.90	-0.01	0.10
HWPT0004	4/26/01	0.00	19.70	1.50	78.80	0.09	0.00
HWPT0005	4/26/01	0.00	20.80	0.10	79.10	0.00	0.00
HWPT0006	4/26/01	0.00	17.10	3.60	79.30	0.07	0.00
HWPT0007	4/26/01	0.00	19.70	1.20	79.10	0.01	0.00
HWPT0008	4/26/01	0.00	20.80	0.00	79.20	0.07	0.00
HWPT0009	4/26/01	0.00	20.80	0.30	78.90	0.03	0.00
HWPT0010	4/26/01	0.00	19.20	1.00	79.80	0.08	0.00
HWPT0011	4/26/01	0.00	14.90	1.40	83.70	0.10	0.00
HWPT0012	4/26/01	0.00	19.70	0.70	79.60	0.07	0.00
HWPT0013	4/26/01	0.00	20.80	0.00	79.20	26.97	-116.20
HWPT0014	4/26/01	0.00	20.90	0.00	79.10	0.06	0.00
HWPT0015	4/26/01	0.00	20.00	0.80	79.20	0.00	0.00
HWPT0016	4/26/01	0.00	20.80	0.00	79.20	0.11	0.00
HWPT0017	4/26/01	0.00	20.50	0.40	79.10	0.09	0.00
HWPT0018	4/26/01	0.00	20.80	0.20	79.00	0.01	0.00
HWPT0019	4/26/01	0.00	21.00	0.00	79.00	0.07	0.00
HWPT0020	4/26/01	0.00	21.00	0.00	79.00	0.02	0.00
HWPT0021	4/26/01	0.00	21.00	0.00	79.00	0.03	0.10
HWPT0022	4/26/01	0.00	21.00	0.00	79.00	0.00	0.00
HWPT0023	4/26/01	0.00	20.90	0.00	79.10	0.02	0.00
HWPT0024	4/26/01	0.00	21.00	0.00	79.00	0.04	0.00
HWPT0025	4/26/01	0.00	21.00	0.00	79.00	0.12	0.00
HWPT0026	4/26/01	0.00	20.80	0.20	79.00	0.02	0.00
HWPT0027	4/26/01	0.00	20.80	0.00	79.20	27.00	-133.00
HWPT0028	4/26/01	0.00	20.70	0.20	79.10	0.00	0.00
HWPT0029	4/26/01	0.00	20.40	0.40	79.20	0.02	0.00

Hewitt Pit
Probe Report for All Probes
4/01/2001 to 4/30/2001

		Gas Composition				Pressure	
Probe ID	Date	CH4	O2	CO2	N2-Bal	Static	Atmospheric
HWPT0030	4/26/01	0.00	20.90	0.00	79.10	0.01	0.00
HWPT0031	4/26/01	0.00	20.80	0.00	79.20	12.66	-18.00
HWPT0032	4/26/01	0.00	20.40	0.40	79.20	0.00	0.00
HWPT0033	4/26/01	0.00	20.10	0.60	79.30	0.03	0.00
HWPT0034	4/26/01	0.00	19.70	0.90	79.40	-0.01	0.00
HWPT0035	4/26/01	0.00	19.10	1.30	79.60	-0.01	0.00
HWPT0036	4/26/01	0.00	15.30	5.00	79.70	0.01	0.00
HWPT0037	4/26/01	0.00	20.40	0.30	79.30	0.03	0.00
HWPT0038	4/26/01	0.00	20.20	0.50	79.30	0.02	0.00
HWPT0039	4/26/01	0.00	20.70	0.30	79.00	0.00	0.00
HWPT0040	4/26/01	0.00	20.50	0.50	79.00	27.00	-65.40
HWPT0041	4/26/01	0.00	19.70	0.80	79.50	0.00	0.00
HWPT0042	4/26/01	0.00	19.70	0.80	79.50	0.00	0.00
HWPT0043	4/26/01	0.00	19.40	1.40	79.20	0.00	0.00
HWPT0044	4/26/01	0.00	19.30	1.50	79.20	0.00	0.00
HWPT0045	4/26/01	0.00	15.20	4.30	80.50	0.00	0.00
HWPT0046	4/26/01	0.00	20.80	0.00	79.20	-0.01	0.00
HWPT0047	4/26/01	0.00	20.90	0.00	79.10	0.00	0.00
HWPT0048	4/26/01	0.00	19.50	1.00	79.50	0.01	0.00
HWPT0049	4/26/01	0.00	18.50	2.50	79.00	0.02	0.00
HWPT0050	4/26/01	0.00	18.80	1.90	79.30	0.01	0.00
HWPT0051	4/26/01	0.00	19.10	1.70	79.20	0.02	0.00
HWPT0052	4/26/01	0.00	19.80	0.90	79.30	0.02	0.00
HWPT0053	4/26/01	0.00	20.20	0.60	79.20	0.14	0.00
HWPT0054	4/26/01	0.00	20.80	0.00	79.20	0.00	0.00
HWPT0055	4/26/01	0.00	20.00	0.90	79.10	0.04	0.00
HWPT0056	4/26/01	0.00	20.70	0.00	79.30	0.04	0.00
HWPT0057	4/26/01	0.00	20.60	0.20	79.20	0.00	0.00
HWPT0058	4/26/01	0.00	20.70	0.20	79.10	0.01	0.00
HWPT0059	4/26/01	0.00	20.80	0.10	79.10	0.00	0.00
HWPT0060	4/26/01	0.00	20.90	0.00	79.10	0.00	0.00
HWPT0061	4/26/01	0.00	20.20	0.40	79.40	0.00	0.00
HWPT0062	4/26/01	0.00	19.30	1.40	79.30	0.10	0.00
HWPT0063	4/26/01	0.00	18.80	1.60	79.60	0.04	0.10
HWPT0064	4/26/01	0.00	19.50	1.40	79.10	27.06	-53.60
HWPT0065	4/26/01	0.00	20.50	0.10	79.40	27.06	-129.80
HWPT0066	4/26/01	0.00	20.50	0.10	79.40	27.06	-64.10
HWPT0067	4/26/01	0.00	20.50	0.10	79.40	0.00	0.00
HWPT0068	4/26/01	0.00	20.00	0.40	79.60	0.03	0.00

Hewitt Pit

Probe Report for All Probes

4/01/2001 to 4/30/2001

Probe ID	Date	Gas Composition				Pressure	
		CH4	O2	CO2	N2-Bal	Static	Atmospheric
HWPT0069	4/26/01	0.00	20.00	0.40	79.60	0.00	0.00
HWPT0070	4/26/01	0.00	19.10	1.20	79.70	0.00	0.00
HWPT0071	4/26/01	0.00	20.80	0.00	79.20	-0.01	0.00
HWPT0072	4/26/01	0.00	20.60	0.20	79.20	-0.01	0.00
HWPT0073	4/26/01	0.00	20.70	0.00	79.30	0.02	0.00
HWPT0074	4/26/01	0.00	20.80	0.00	79.20	-0.02	0.10
HWPT0075	4/26/01	0.00	20.50	0.20	79.30	0.00	0.10
HWPT0076	4/26/01	0.00	20.80	0.10	79.10	0.00	0.10
HWPT0077	4/26/01	0.00	20.80	0.00	79.20	0.00	0.00
HWPT0078	4/26/01	0.00	17.30	2.70	80.00	0.00	0.00
HWPT0079	4/26/01	0.00	20.20	0.30	79.50	0.00	0.00
HWPT0080	4/26/01	0.00	20.60	0.20	79.20	0.03	0.00
HWPT0081	4/26/01	0.00	20.70	0.10	79.20	0.01	0.00

Hewitt Pit
Probe Report for All Probes
5/01/2001 to 5/31/2001

Probe ID	Date	Gas Composition				Pressure	
		CH4	O2	CO2	N2-Bal	Static	Atmospheric
HWPT0001	5/2/01	0.00	20.40	0.10	79.50	0.00	0.00
HWPT0002	5/2/01	0.00	16.60	3.60	79.80	0.04	0.00
HWPT0003	5/2/01	0.00	18.00	1.50	80.50	0.01	0.00
HWPT0004	5/2/01	0.00	18.30	1.10	80.60	0.00	0.10
HWPT0005	5/2/01	0.00	19.80	0.70	79.50	0.02	0.10
HWPT0006	5/2/01	0.00	18.50	1.90	79.60	0.41	-0.20
HWPT0007	5/2/01	0.00	17.50	2.60	79.90	0.08	0.00
HWPT0008	5/2/01	0.00	16.30	3.90	79.80	0.18	0.00
HWPT0009	5/2/01	0.00	18.30	1.70	80.00	0.00	0.00
HWPT0010	5/2/01	0.00	18.50	1.30	80.20	0.06	0.00
HWPT0011	5/2/01	0.00	14.90	1.30	83.80	0.10	0.00
HWPT0012	5/2/01	0.00	19.40	0.80	79.80	0.04	0.00
HWPT0013	5/2/01	0.00	20.60	0.10	79.30	0.02	0.00
HWPT0014	5/2/01	0.00	20.60	0.00	79.40	0.09	0.00
HWPT0015	5/2/01	0.00	19.30	1.30	79.40	0.08	0.00
HWPT0016	5/2/01	0.00	20.60	0.00	79.40	0.00	0.00
HWPT0017	5/2/01	0.00	20.30	0.40	79.30	0.12	0.00
HWPT0018	5/2/01	0.00	20.40	0.20	79.40	0.10	0.00
HWPT0019	5/2/01	0.00	20.60	0.00	79.40	0.06	0.00
HWPT0020	5/2/01	0.00	20.70	0.00	79.30	0.05	0.00
HWPT0021	5/2/01	0.00	20.70	0.00	79.30	0.03	0.00
HWPT0022	5/2/01	0.00	20.50	0.10	79.40	0.02	0.00
HWPT0023	5/2/01	0.00	19.30	0.90	79.80	0.03	0.00
HWPT0024	5/2/01	0.00	18.10	1.80	80.10	0.03	0.00
HWPT0025	5/2/01	0.00	19.80	0.60	79.60	0.02	0.00
HWPT0026	5/2/01	0.00	20.20	0.40	79.40	0.00	0.00
HWPT0027	5/2/01	0.00	20.60	0.00	79.40	27.07	-135.50
HWPT0028	5/2/01	0.00	19.90	0.60	79.50	0.01	0.00
HWPT0029	5/2/01	0.00	19.60	0.80	79.60	0.01	0.00
HWPT0030	5/2/01	0.00	20.10	0.40	79.50	0.01	0.00
HWPT0031	5/2/01	0.00	20.30	0.20	79.50	27.07	-139.00
HWPT0032	5/2/01	0.00	19.80	0.80	79.40	0.01	0.00
HWPT0033	5/2/01	0.00	16.60	3.20	80.20	0.02	0.00
HWPT0034	5/2/01	0.00	19.40	1.10	79.50	0.02	0.00
HWPT0035	5/2/01	0.00	20.60	0.00	79.40	0.03	0.00
HWPT0036	5/2/01	0.00	14.50	5.80	79.70	0.04	0.00
HWPT0037	5/2/01	0.00	20.70	0.00	79.30	0.04	0.00
HWPT0038	5/2/01	0.00	19.70	0.70	79.60	0.07	0.00
HWPT0039	5/2/01	0.00	19.10	1.10	79.80	0.00	0.00

Hewitt Pit
Probe Report for All Probes
5/01/2001 to 5/31/2001

		Gas Composition				Pressure	
Probe ID	Date	CH4	O2	CO2	N2-Bal	Static	Atmospheric
HWPT0040	5/2/01	0.00	20.50	0.30	79.20	0.02	0.00
HWPT0041	5/2/01	0.00	20.70	0.10	79.20	0.04	0.00
HWPT0042	5/2/01	0.00	20.10	0.50	79.40	0.03	0.00
HWPT0043	5/2/01	0.00	19.20	1.00	79.80	0.01	0.00
HWPT0044	5/2/01	0.00	19.50	0.90	79.60	0.00	0.00
HWPT0045	5/2/01	0.00	19.10	1.00	79.90	0.02	0.00
HWPT0046	5/2/01	0.00	19.20	1.00	79.80	0.00	0.00
HWPT0047	5/2/01	0.00	20.20	0.40	79.40	0.00	0.00
HWPT0048	5/2/01	0.00	19.40	0.90	79.70	0.00	0.00
HWPT0049	5/2/01	0.00	18.10	2.80	79.10	0.00	0.00
HWPT0050	5/2/01	0.00	18.60	2.00	79.40	0.00	0.00
HWPT0051	5/2/01	0.00	18.90	1.80	79.30	0.01	0.00
HWPT0052	5/2/01	0.00	19.60	0.90	79.50	0.02	0.00
HWPT0053	5/2/01	0.00	20.10	0.70	79.20	0.03	0.00
HWPT0054	5/2/01	0.00	20.70	0.00	79.30	0.04	0.00
HWPT0055	5/2/01	0.00	20.70	0.00	79.30	0.04	0.00
HWPT0056	5/2/01	0.00	20.80	0.00	79.20	0.04	0.00
HWPT0057	5/2/01	0.00	20.80	0.00	79.20	0.05	0.00
HWPT0058	5/2/01	0.00	20.80	0.00	79.20	0.02	0.00
HWPT0059	5/2/01	0.00	20.70	0.00	79.30	0.03	0.00
HWPT0060	5/2/01	0.00	20.10	0.70	79.20	0.00	0.00
HWPT0061	5/2/01	0.00	19.60	0.60	79.80	0.01	0.00
HWPT0062	5/2/01	0.00	19.70	0.80	79.50	-0.02	0.00
HWPT0063	5/2/01	0.00	16.60	2.40	81.00	0.05	0.00
HWPT0064	5/2/01	0.00	19.50	1.40	79.10	27.04	-63.80
HWPT0065	5/2/01	0.00	20.30	0.10	79.60	27.04	-125.90
HWPT0066	5/2/01	0.00	20.40	0.10	79.50	27.04	-52.70
HWPT0067	5/2/01	0.00	20.60	0.00	79.40	0.00	0.00
HWPT0068	5/2/01	0.00	20.60	0.00	79.40	0.02	0.00
HWPT0069	5/2/01	0.00	19.60	0.80	79.60	0.00	0.00
HWPT0070	5/2/01	0.00	18.70	1.40	79.90	0.00	0.00
HWPT0071	5/2/01	0.00	20.50	0.00	79.50	-0.01	0.10
HWPT0072	5/2/01	0.00	19.80	0.60	79.60	0.00	0.00
HWPT0073	5/2/01	0.00	20.50	0.10	79.40	0.04	0.00
HWPT0074	5/2/01	0.00	20.60	0.00	79.40	-0.01	0.00
HWPT0075	5/2/01	0.00	19.80	0.60	79.60	0.08	0.00
HWPT0076	5/2/01	0.00	20.40	0.20	79.40	0.01	0.00
HWPT0077	5/2/01	0.00	20.70	0.00	79.30	0.02	0.00
HWPT0078	5/2/01	0.00	19.00	1.30	79.70	-0.02	0.10

Hewitt Pit

Probe Report for All Probes

5/01/2001 to 5/31/2001

		Gas Composition				Pressure	
Probe ID	Date	CH4	O2	CO2	N2-Bal	Static	Atmospheric
HWPT0079	5/2/01	0.00	19.90	0.30	79.80	0.00	0.00
HWPT0080	5/2/01	0.00	20.60	0.00	79.40	0.03	0.00
HWPT0081	5/2/01	0.00	20.60	0.20	79.20	0.03	0.00
HWPT0001	5/8/01	0.00	19.80	0.60	79.60	0.06	0.00
HWPT0002	5/8/01	0.00	17.50	1.10	81.40	0.06	0.00
HWPT0003	5/8/01	0.00	19.30	1.20	79.50	0.48	-0.50
HWPT0004	5/8/01	0.00	19.50	0.70	79.80	0.07	-0.10
HWPT0005	5/8/01	0.00	14.80	2.70	82.50	0.21	-0.20
HWPT0006	5/8/01	0.00	18.40	2.30	79.30	6.60	-6.60
HWPT0007	5/8/01	0.00	19.00	1.10	79.90	0.52	-0.50
HWPT0008	5/8/01	0.00	19.10	0.90	80.00	1.86	-2.00
HWPT0009	5/8/01	0.00	19.40	0.90	79.70	8.92	-8.20
HWPT0010	5/8/01	0.00	18.30	0.90	80.80	4.01	-3.90
HWPT0011	5/8/01	0.00	14.90	1.20	83.90	8.16	-6.70
HWPT0012	5/8/01	0.00	19.00	1.00	80.00	4.08	-4.40
HWPT0013	5/8/01	0.00	19.20	1.30	79.50	24.63	-156.30
HWPT0014	5/8/01	0.00	20.00	0.60	79.40	4.77	-5.00
HWPT0015	5/8/01	0.00	19.10	0.60	80.30	3.88	-2.40
HWPT0016	5/8/01	0.00	19.80	0.50	79.70	5.45	-4.40
HWPT0017	5/8/01	0.00	19.70	0.30	80.00	14.76	-14.50
HWPT0018	5/8/01	0.00	19.90	0.30	79.80	10.78	-11.40
HWPT0019	5/8/01	0.00	20.10	0.20	79.70	7.85	-4.80
HWPT0020	5/8/01	0.00	20.00	0.20	79.80	9.50	-8.10
HWPT0021	5/8/01	0.00	20.10	0.10	79.80	10.15	-10.90
HWPT0022	5/8/01	0.00	20.10	0.10	79.80	7.88	-8.40
HWPT0023	5/8/01	0.00	19.60	0.10	80.30	12.92	-12.20
HWPT0024	5/8/01	0.00	19.80	0.10	80.10	7.94	-8.40
HWPT0025	5/8/01	0.00	19.40	0.20	80.40	7.91	-8.50
HWPT0026	5/8/01	0.00	19.90	0.20	79.90	6.15	-6.60
HWPT0027	5/8/01	0.00	20.00	0.30	79.70	24.64	-156.80
HWPT0028	5/8/01	0.00	19.00	0.50	80.50	6.70	-7.00
HWPT0029	5/8/01	0.00	19.40	0.60	80.00	11.17	-12.00
HWPT0030	5/8/01	0.00	20.10	0.30	79.60	13.37	-12.80
HWPT0031	5/8/01	0.00	20.20	0.40	79.40	24.69	-161.40
HWPT0032	5/8/01	0.00	20.20	0.20	79.60	10.56	-10.80
HWPT0033	5/8/01	0.00	20.20	0.10	79.70	11.40	-11.90
HWPT0034	5/8/01	0.00	19.10	0.20	80.70	8.15	-8.50
HWPT0035	5/8/01	0.00	19.10	0.60	80.30	13.38	-14.40
HWPT0036	5/8/01	0.00	14.20	5.10	80.70	8.65	-9.30

Hewitt Pit
Probe Report for All Probes
5/01/2001 to 5/31/2001

		Gas Composition				Pressure	
Probe ID	Date	CH4	O2	CO2	N2-Bal	Static	Atmospheric
HWPT0037	5/8/01	0.00	19.10	1.50	79.40	11.12	-11.70
HWPT0038	5/8/01	0.00	19.80	0.60	79.60	6.13	-6.60
HWPT0039	5/8/01	0.00	19.80	0.30	79.90	17.96	-17.60
HWPT0040	5/8/01	0.00	19.90	0.50	79.60	24.69	-61.90
HWPT0041	5/8/01	0.00	19.80	0.30	79.90	13.35	-14.40
HWPT0042	5/8/01	0.00	19.40	0.30	80.30	11.72	-11.90
HWPT0043	5/8/01	0.00	19.20	0.60	80.20	13.38	-14.40
HWPT0044	5/8/01	0.00	19.30	0.70	80.00	11.14	-11.90
HWPT0045	5/8/01	0.00	17.80	0.90	81.30	12.27	-13.10
HWPT0046	5/8/01	0.00	19.30	1.60	79.10	11.15	-12.00
HWPT0047	5/8/01	0.00	19.90	0.50	79.60	11.22	-12.20
HWPT0048	5/8/01	0.00	19.60	0.30	80.10	11.57	-12.50
HWPT0049	5/8/01	0.00	18.00	1.10	80.90	14.95	-16.20
HWPT0050	5/8/01	0.00	18.00	1.80	80.20	15.11	-16.20
HWPT0051	5/8/01	0.00	18.50	1.60	79.90	21.94	-23.70
HWPT0052	5/8/01	0.00	19.50	1.20	79.30	14.17	-14.40
HWPT0053	5/8/01	0.00	19.60	0.80	79.60	9.83	-10.10
HWPT0054	5/8/01	0.00	18.60	0.90	80.50	11.14	-12.00
HWPT0055	5/8/01	0.00	18.70	1.30	80.00	11.23	-12.00
HWPT0056	5/8/01	0.00	19.70	0.80	79.50	13.66	-14.70
HWPT0057	5/8/01	0.00	18.90	0.80	80.30	13.36	-14.30
HWPT0058	5/8/01	0.00	19.50	0.70	79.80	11.17	-12.20
HWPT0059	5/8/01	0.00	19.60	0.50	79.90	11.15	-12.00
HWPT0060	5/8/01	0.00	19.20	0.50	80.30	11.16	-12.00
HWPT0061	5/8/01	0.00	19.50	0.50	80.00	11.16	-12.00
HWPT0062	5/8/01	0.00	18.70	0.60	80.70	12.68	-13.60
HWPT0063	5/8/01	0.00	19.60	0.50	79.90	13.38	-12.70
HWPT0064	5/8/01	0.00	19.10	0.60	80.30	24.81	-67.00
HWPT0065	5/8/01	0.00	19.50	0.80	79.70	24.83	-121.60
HWPT0066	5/8/01	0.00	19.40	0.50	80.10	24.80	-79.00
HWPT0067	5/8/01	0.00	19.40	0.30	80.30	11.20	-12.00
HWPT0068	5/8/01	0.00	19.40	0.20	80.40	11.23	-12.00
HWPT0069	5/8/01	0.00	19.30	0.20	80.50	11.13	-12.00
HWPT0070	5/8/01	0.00	19.00	0.20	80.80	9.96	-8.20
HWPT0071	5/8/01	0.00	19.40	0.20	80.40	3.94	-4.00
HWPT0072	5/8/01	0.00	18.70	0.20	81.10	11.50	-12.40
HWPT0073	5/8/01	0.00	19.50	0.20	80.30	13.31	-12.40
HWPT0074	5/8/01	0.00	19.50	0.10	80.40	11.74	-12.00
HWPT0075	5/8/01	0.00	19.50	0.10	80.40	13.30	-14.40

Hewitt Pit
Probe Report for All Probes
5/01/2001 to 5/31/2001

Probe ID	Date	Gas Composition				Pressure	
		CH4	O2	CO2	N2-Bal	Static	Atmospheric
HWPT0076	5/8/01	0.00	19.60	0.10	80.30	8.01	-8.40
HWPT0077	5/8/01	0.00	19.70	0.10	80.20	11.11	-11.90
HWPT0078	5/8/01	0.00	10.70	6.60	82.70	13.35	-14.50
HWPT0079	5/8/01	0.30	12.50	5.70	81.50	9.90	-8.40
HWPT0080	5/8/01	0.00	19.30	0.60	80.10	13.19	-14.30
HWPT0081	5/8/01	0.00	18.90	0.60	80.50	11.13	-12.00
HWPT0001	5/15/01	0.00	19.80	0.30	79.90	0.20	-0.20
HWPT0002	5/15/01	0.00	18.10	2.70	79.20	3.38	-3.60
HWPT0003	5/15/01	0.00	20.10	0.30	79.60	2.58	-2.80
HWPT0004	5/15/01	0.00	20.30	0.30	79.40	1.14	-0.80
HWPT0005	5/15/01	0.00	19.70	0.80	79.50	3.68	-3.70
HWPT0006	5/15/01	0.00	20.60	0.00	79.40	0.89	-0.80
HWPT0007	5/15/01	0.00	20.60	0.00	79.40	6.43	-4.40
HWPT0008	5/15/01	0.00	20.30	0.20	79.50	5.01	-3.70
HWPT0009	5/15/01	0.00	19.90	0.90	79.20	5.94	-6.50
HWPT0010	5/15/01	0.00	19.00	1.30	79.70	9.24	-9.70
HWPT0011	5/15/01	0.00	15.10	1.50	83.40	7.85	-8.10
HWPT0012	5/15/01	0.00	19.70	0.70	79.60	10.20	-11.00
HWPT0013	5/15/01	0.00	20.10	0.30	79.60	24.43	-159.80
HWPT0014	5/15/01	0.00	20.60	0.00	79.40	11.35	-12.20
HWPT0015	5/15/01	0.00	19.70	1.20	79.10	12.78	-13.70
HWPT0016	5/15/01	0.00	20.50	0.00	79.50	9.52	-9.90
HWPT0017	5/15/01	0.00	20.30	0.30	79.40	22.46	-23.80
HWPT0018	5/15/01	0.00	20.50	0.10	79.40	11.25	-10.40
HWPT0019	5/15/01	0.00	20.50	0.00	79.50	9.47	-9.80
HWPT0020	5/15/01	0.00	20.60	0.00	79.40	10.02	-10.10
HWPT0021	5/15/01	0.00	20.60	0.00	79.40	9.00	-9.80
HWPT0022	5/15/01	0.00	20.70	0.00	79.30	9.89	-9.80
HWPT0023	5/15/01	0.00	20.00	0.60	79.40	6.54	-6.90
HWPT0024	5/15/01	0.00	20.60	0.00	79.40	6.53	-7.00
HWPT0025	5/15/01	0.00	19.80	0.70	79.50	9.00	-9.90
HWPT0026	5/15/01	0.00	20.50	0.10	79.40	2.62	-2.70
HWPT0027	5/15/01	0.00	20.60	0.00	79.40	24.42	-124.60
HWPT0028	5/15/01	0.00	20.40	0.20	79.40	8.97	-9.90
HWPT0029	5/15/01	0.00	20.60	0.00	79.40	10.77	-11.70
HWPT0030	5/15/01	0.00	20.60	0.00	79.40	9.22	-9.70
HWPT0031	5/15/01	0.00	20.70	0.00	79.30	24.40	-164.40
HWPT0032	5/15/01	0.00	20.40	0.10	79.50	10.71	-11.70
HWPT0033	5/15/01	0.00	20.60	0.00	79.40	10.73	-11.80

Hewitt Pit
Probe Report for All Probes
5/01/2001 to 5/31/2001

		Gas Composition				Pressure	
Probe ID	Date	CH4	O2	CO2	N2-Bal	Static	Atmospheric
HWPT0034	5/15/01	0.00	19.80	0.80	79.40	8.99	-9.70
HWPT0035	5/15/01	0.00	19.10	1.40	79.50	10.71	-10.00
HWPT0036	5/15/01	0.00	16.60	4.30	79.10	12.14	-13.00
HWPT0037	5/15/01	0.00	19.00	1.20	79.80	10.78	-11.80
HWPT0038	5/15/01	0.00	20.50	0.00	79.50	9.38	-9.60
HWPT0039	5/15/01	0.00	20.40	0.20	79.40	15.62	-16.60
HWPT0040	5/15/01	0.00	20.20	0.50	79.30	24.43	-76.40
HWPT0041	5/15/01	0.00	20.50	0.00	79.50	9.12	-9.80
HWPT0042	5/15/01	0.00	20.20	0.30	79.50	9.69	-9.80
HWPT0043	5/15/01	0.00	19.80	0.70	79.50	10.76	-11.80
HWPT0044	5/15/01	0.00	20.20	0.30	79.50	10.72	-11.80
HWPT0045	5/15/01	0.00	18.60	2.10	79.30	10.26	-10.90
HWPT0046	5/15/01	0.00	20.50	0.00	79.50	10.74	-11.80
HWPT0047	5/15/01	0.00	20.50	0.00	79.50	10.83	-11.90
HWPT0048	5/15/01	0.00	20.20	0.40	79.40	11.32	-12.30
HWPT0049	5/15/01	0.00	18.30	2.70	79.00	12.38	-13.30
HWPT0050	5/15/01	0.00	18.30	2.30	79.40	12.72	-13.80
HWPT0051	5/15/01	0.00	18.90	1.80	79.30	24.02	-25.20
HWPT0052	5/15/01	0.00	19.80	0.80	79.40	11.43	-12.20
HWPT0053	5/15/01	0.00	19.90	0.70	79.40	24.44	-32.50
HWPT0054	5/15/01	0.00	20.20	0.00	79.80	10.74	-11.60
HWPT0055	5/15/01	0.00	20.40	0.00	79.60	9.40	-9.70
HWPT0056	5/15/01	0.00	20.50	0.00	79.50	11.07	-12.20
HWPT0057	5/15/01	0.00	20.10	0.20	79.70	8.98	-9.80
HWPT0058	5/15/01	0.00	20.30	0.00	79.70	10.78	-9.90
HWPT0059	5/15/01	0.00	20.30	0.00	79.70	10.77	-11.80
HWPT0060	5/15/01	0.00	19.70	0.80	79.50	9.38	-9.80
HWPT0061	5/15/01	0.00	20.20	0.20	79.60	10.77	-11.80
HWPT0062	5/15/01	0.00	19.20	1.30	79.50	10.40	-11.20
HWPT0063	5/15/01	0.00	20.20	0.00	79.80	10.09	-9.70
HWPT0064	5/15/01	0.00	19.40	1.50	79.10	24.54	-75.00
HWPT0065	5/15/01	0.00	20.20	0.00	79.80	24.55	-143.50
HWPT0066	5/15/01	0.00	20.00	0.30	79.70	24.56	-72.20
HWPT0067	5/15/01	0.00	20.20	0.00	79.80	9.11	-9.80
HWPT0068	5/15/01	0.00	20.60	0.00	79.40	10.70	-11.80
HWPT0069	5/15/01	0.00	19.90	0.50	79.60	8.95	-9.80
HWPT0070	5/15/01	0.00	19.80	0.50	79.70	9.19	-9.80
HWPT0071	5/15/01	0.00	20.30	0.00	79.70	10.69	-11.70
HWPT0072	5/15/01	0.00	20.50	0.00	79.50	11.11	-12.00

Hewitt Pit
Probe Report for All Probes
5/01/2001 to 5/31/2001

Probe ID	Date	Gas Composition				Pressure	
		CH4	O2	CO2	N2-Bal	Static	Atmospheric
HWPT0073	5/15/01	0.00	20.80	0.00	79.40	13.08	-17.60
HWPT0074	5/15/01	0.00	20.80	0.00	79.40	10.66	-11.50
HWPT0075	5/15/01	0.00	20.20	0.10	79.70	10.70	-11.60
HWPT0076	5/15/01	0.00	20.50	0.00	79.50	10.70	-11.60
HWPT0077	5/15/01	0.00	20.40	0.00	79.60	9.26	-9.70
HWPT0078	5/15/01	0.00	18.00	2.30	79.70	9.28	-9.80
HWPT0079	5/15/01	0.00	19.80	0.30	79.90	22.86	-133.40
HWPT0080	5/15/01	0.00	20.50	0.00	79.50	10.65	-11.80
HWPT0081	5/15/01	0.00	20.40	0.00	79.60	5.79	-6.40
HWPT0001	5/22/01	0.00	20.50	0.10	79.40	2.14	-2.20
HWPT0002	5/22/01	0.00	18.80	1.60	79.60	18.02	-19.30
HWPT0003	5/22/01	0.00	20.90	0.30	78.80	13.26	-14.20
HWPT0004	5/22/01	0.00	20.70	0.60	78.70	11.39	-11.90
HWPT0005	5/22/01	0.00	18.30	2.40	79.30	19.86	-21.00
HWPT0006	5/22/01	0.00	21.10	0.30	78.60	14.50	-15.40
HWPT0007	5/22/01	0.00	20.70	0.70	78.60	17.41	-18.70
HWPT0008	5/22/01	0.00	21.10	0.20	78.70	14.53	-15.50
HWPT0009	5/22/01	0.00	20.20	0.70	79.10	11.78	-11.00
HWPT0010	5/22/01	0.00	19.20	0.90	79.90	24.50	-26.80
HWPT0011	5/22/01	0.00	15.40	1.30	83.30	18.44	-19.40
HWPT0012	5/22/01	0.00	20.00	0.70	79.30	14.20	-14.90
HWPT0013	5/22/01	0.00	20.70	0.30	79.00	24.52	-77.80
HWPT0014	5/22/01	0.00	20.70	0.20	79.10	15.64	-16.40
HWPT0015	5/22/01	0.00	20.00	0.60	79.40	15.00	-16.00
HWPT0016	5/22/01	0.00	20.70	0.20	79.10	5.95	-5.50
HWPT0017	5/22/01	0.00	20.40	0.20	79.40	22.16	-25.80
HWPT0018	5/22/01	0.00	20.60	0.20	79.20	14.86	-15.80
HWPT0019	5/22/01	0.00	19.90	0.80	79.30	17.24	-18.30
HWPT0020	5/22/01	0.00	20.50	0.30	79.20	10.05	-10.60
HWPT0021	5/22/01	0.00	20.60	0.20	79.20	2.82	-2.40
HWPT0022	5/22/01	0.00	20.60	0.10	79.30	14.28	-15.20
HWPT0023	5/22/01	0.00	19.80	0.60	79.60	10.03	-10.70
HWPT0024	5/22/01	0.00	20.20	0.30	79.50	12.90	-13.80
HWPT0025	5/22/01	0.00	20.10	0.40	79.50	14.29	-15.30
HWPT0026	5/22/01	0.00	20.40	0.20	79.40	12.87	-13.70
HWPT0027	5/22/01	0.00	20.60	0.10	79.30	9.42	-10.10
HWPT0028	5/22/01	0.00	20.00	0.40	79.60	1.69	-1.00
HWPT0029	5/22/01	0.00	20.70	0.10	79.20	14.27	-15.10
HWPT0030	5/22/01	0.00	20.70	0.10	79.20	14.23	-15.10

Hewitt Pit
Probe Report for All Probes
5/01/2001 to 5/31/2001

Probe ID	Date	Gas Composition				Pressure	
		CH4	O2	CO2	N2-Bal	Static	Atmospheric
HWPT0031	5/22/01	0.00	20.70	0.10	79.20	18.81	-21.00
HWPT0032	5/22/01	0.00	20.30	0.20	79.50	12.84	-13.60
HWPT0033	5/22/01	0.00	20.70	0.10	79.20	9.98	-10.60
HWPT0034	5/22/01	0.00	19.80	0.60	79.60	14.24	-15.20
HWPT0035	5/22/01	0.00	20.70	0.20	79.10	10.03	-10.60
HWPT0036	5/22/01	0.00	16.70	3.20	80.10	15.28	-16.20
HWPT0037	5/22/01	0.00	19.00	1.50	79.50	14.24	-15.20
HWPT0038	5/22/01	0.00	20.50	0.30	79.20	17.01	-18.20
HWPT0039	5/22/01	0.00	20.60	0.30	79.10	21.22	-22.60
HWPT0040	5/22/01	0.00	20.30	0.60	79.10	24.63	-114.10
HWPT0041	5/22/01	0.00	20.40	0.30	79.30	9.91	-10.50
HWPT0042	5/22/01	0.00	19.90	0.60	79.50	14.24	-15.20
HWPT0043	5/22/01	0.00	19.80	0.80	79.40	16.82	-15.70
HWPT0044	5/22/01	0.00	19.90	0.80	79.30	16.96	-18.00
HWPT0045	5/22/01	0.00	17.40	2.10	80.50	15.04	-16.00
HWPT0046	5/22/01	0.00	20.60	0.40	79.00	14.42	-15.00
HWPT0047	5/22/01	0.00	20.70	0.20	79.10	14.30	-15.00
HWPT0048	5/22/01	0.00	20.10	0.50	79.40	13.49	-13.80
HWPT0049	5/22/01	0.00	18.30	2.40	79.30	11.03	-11.40
HWPT0050	5/22/01	0.00	18.50	2.10	79.40	15.50	-16.40
HWPT0051	5/22/01	0.00	19.00	1.80	79.20	22.16	-26.40
HWPT0052	5/22/01	0.00	19.60	1.00	79.40	19.24	-20.50
HWPT0053	5/22/01	0.00	19.90	0.90	79.20	23.50	-34.50
HWPT0054	5/22/01	0.00	20.50	0.30	79.20	14.14	-15.00
HWPT0055	5/22/01	0.00	19.20	1.10	79.70	16.93	-15.80
HWPT0056	5/22/01	0.00	20.50	0.30	79.20	14.35	-15.20
HWPT0057	5/22/01	0.00	19.90	0.70	79.40	17.00	-18.10
HWPT0058	5/22/01	0.00	20.30	0.30	79.40	16.98	-18.20
HWPT0059	5/22/01	0.00	20.30	0.30	79.40	14.13	-15.10
HWPT0060	5/22/01	0.00	19.70	0.80	79.50	14.20	-15.00
HWPT0061	5/22/01	0.00	20.00	0.60	79.40	14.20	-15.10
HWPT0062	5/22/01	0.00	20.40	0.20	79.40	10.97	-10.50
HWPT0063	5/22/01	0.00	20.10	0.30	79.60	14.22	-15.10
HWPT0064	5/22/01	0.00	20.40	0.20	79.40	9.12	-8.50
HWPT0065	5/22/01	0.10	20.40	0.30	79.20	24.69	-150.90
HWPT0066	5/22/01	0.00	20.30	0.10	79.60	0.00	0.00
HWPT0067	5/22/01	0.10	20.30	0.10	79.50	-0.04	0.00
HWPT0068	5/22/01	0.00	20.30	0.10	79.60	-0.13	0.20
HWPT0069	5/22/01	0.00	20.00	0.10	79.90	-0.04	0.00

Hewitt Pit

Probe Report for All Probes

5/01/2001 to 5/31/2001

Probe ID	Date	Gas Composition				Pressure	
		CH4	O2	CO2	N2-Bal	Static	Atmospheric
HWPT0070	5/22/01	0.10	19.40	0.30	80.20	16.96	-18.00
HWPT0071	5/22/01	0.00	20.00	0.10	79.90	14.02	-15.00
HWPT0072	5/22/01	0.00	20.10	0.10	79.80	14.29	-15.20
HWPT0073	5/22/01	0.00	20.30	0.00	79.70	12.61	-13.40
HWPT0074	5/22/01	0.00	20.40	0.00	79.60	13.96	-15.00
HWPT0075	5/22/01	0.00	20.30	0.00	79.70	14.18	-14.80
HWPT0076	5/22/01	0.00	20.50	0.00	79.50	13.04	-10.80
HWPT0077	5/22/01	0.00	20.50	0.00	79.50	4.54	-4.80
HWPT0078	5/22/01	0.00	13.70	3.90	82.40	14.13	-15.10
HWPT0079	5/22/01	0.10	15.70	3.60	80.60	16.78	-17.50
HWPT0080	5/22/01	0.00	20.40	0.60	79.00	16.70	-17.70
HWPT0081	5/22/01	0.00	20.30	0.20	79.50	14.26	-15.00
HWPT0001	5/30/01	0.00	20.50	0.00	79.50	0.00	0.00
HWPT0002	5/30/01	0.00	17.80	2.50	79.70	0.00	0.00
HWPT0003	5/30/01	0.00	20.30	0.10	79.60	0.00	0.00
HWPT0004	5/30/01	0.00	20.40	0.00	79.60	0.00	0.00
HWPT0005	5/30/01	0.00	20.50	0.00	79.50	0.00	0.00
HWPT0006	5/30/01	0.00	20.40	0.00	79.60	0.00	0.00
HWPT0007	5/30/01	0.00	20.10	0.60	79.30	0.00	0.00
HWPT0008	5/30/01	0.00	20.60	0.00	79.40	0.00	0.00
HWPT0009	5/30/01	0.00	20.00	0.30	79.70	0.00	0.00
HWPT0010	5/30/01	0.00	16.70	0.70	80.60	0.00	0.00
HWPT0011	5/30/01	0.00	15.00	1.30	83.70	0.00	0.00
HWPT0012	5/30/01	0.00	19.80	0.40	79.80	0.00	0.00
HWPT0013	5/30/01	0.00	20.50	0.00	79.50	0.00	0.00
HWPT0014	5/30/01	0.00	20.60	0.00	79.40	0.00	0.00
HWPT0015	5/30/01	0.00	20.00	0.40	79.60	0.00	0.00
HWPT0016	5/30/01	0.00	20.50	0.00	79.50	0.00	0.00
HWPT0017	5/30/01	0.00	19.90	0.20	79.90	0.00	0.00
HWPT0018	5/30/01	0.00	20.40	0.00	79.60	0.00	0.00
HWPT0019	5/30/01	0.00	20.50	0.00	79.50	0.00	0.00
HWPT0020	5/30/01	0.00	20.70	0.00	79.30	-0.01	0.00
HWPT0021	5/30/01	0.00	20.60	0.00	79.40	0.00	0.00
HWPT0022	5/30/01	0.00	20.60	0.00	79.40	0.00	0.00
HWPT0023	5/30/01	0.00	19.70	0.70	79.60	0.00	0.00
HWPT0024	5/30/01	0.00	20.30	0.10	79.60	-0.01	0.00
HWPT0025	5/30/01	0.00	20.70	0.00	79.30	-0.01	0.00
HWPT0026	5/30/01	0.00	20.50	0.00	79.50	0.00	0.00
HWPT0027	5/30/01	0.00	20.60	0.00	79.40	0.00	0.00

Hewitt Pit
Probe Report for All Probes
5/01/2001 to 5/31/2001

Probe ID	Date	Gas Composition				Pressure	
		CH4	O2	CO2	N2-Bal	Static	Atmospheric
HWPT0028	5/30/01	0.00	20.60	0.00	79.40	-0.01	0.00
HWPT0029	5/30/01	0.00	19.90	0.30	79.80	-0.01	0.00
HWPT0030	5/30/01	0.00	20.50	0.00	79.50	0.00	0.00
HWPT0031	5/30/01	0.00	20.50	0.00	79.50	0.00	0.00
HWPT0032	5/30/01	0.00	20.50	0.00	79.50	-0.01	0.00
HWPT0033	5/30/01	0.00	20.50	0.00	79.50	-0.02	0.10
HWPT0034	5/30/01	0.00	19.80	0.80	79.40	0.00	0.00
HWPT0035	5/30/01	0.00	20.60	0.00	79.40	0.00	0.00
HWPT0036	5/30/01	0.00	17.10	3.20	79.70	0.00	0.00
HWPT0037	5/30/01	0.00	20.40	0.00	79.60	-0.01	0.00
HWPT0038	5/30/01	0.00	20.50	0.00	79.50	-0.01	0.00
HWPT0039	5/30/01	0.00	20.40	0.00	79.60	-0.01	0.00
HWPT0040	5/30/01	0.00	20.30	0.00	79.70	-0.01	0.00
HWPT0041	5/30/01	0.00	20.50	0.00	79.50	0.00	0.00
HWPT0042	5/30/01	0.00	19.40	0.90	79.70	0.00	0.00
HWPT0043	5/30/01	0.00	19.30	0.80	79.90	0.00	0.00
HWPT0044	5/30/01	0.00	19.40	0.90	79.70	0.00	0.00
HWPT0045	5/30/01	0.00	15.80	3.10	81.10	-0.01	0.00
HWPT0046	5/30/01	0.00	20.10	0.00	79.90	-0.01	0.00
HWPT0047	5/30/01	0.00	20.50	0.00	79.50	-0.01	0.00
HWPT0048	5/30/01	0.00	19.90	0.40	79.70	-0.02	0.00
HWPT0049	5/30/01	0.00	18.30	2.50	79.20	0.00	0.00
HWPT0050	5/30/01	0.00	18.60	1.80	79.60	-0.02	0.00
HWPT0051	5/30/01	0.00	19.30	1.30	79.40	0.00	0.00
HWPT0052	5/30/01	0.00	19.40	0.70	79.90	0.00	0.00
HWPT0053	5/30/01	0.00	19.90	0.40	79.70	0.00	0.00
HWPT0054	5/30/01	0.00	20.60	0.00	79.40	0.00	0.00
HWPT0055	5/30/01	0.00	20.30	0.00	79.70	0.00	0.00
HWPT0056	5/30/01	0.00	20.60	0.00	79.40	0.00	0.00
HWPT0057	5/30/01	0.00	20.50	0.00	79.50	0.00	0.00
HWPT0058	5/30/01	0.00	20.00	0.10	79.90	0.00	0.00
HWPT0059	5/30/01	0.00	20.20	0.00	79.80	0.00	0.00
HWPT0060	5/30/01	0.00	19.50	0.80	79.70	0.00	0.00
HWPT0061	5/30/01	0.00	20.00	0.20	79.80	0.00	0.00
HWPT0062	5/30/01	0.00	20.50	0.00	79.50	0.00	0.00
HWPT0063	5/30/01	0.00	20.10	0.10	79.80	0.00	0.00
HWPT0064	5/30/01	0.00	20.60	0.00	79.40	0.00	0.00
HWPT0065	5/30/01	0.00	20.50	0.00	79.50	0.00	0.00
HWPT0066	5/30/01	0.00	20.70	0.00	79.30	0.00	0.00

Hewitt Pit
Probe Report for All Probes
5/01/2001 to 5/31/2001

Probe ID	Date	Gas Composition				Pressure	
		CH4	O2	CO2	N2-Bal	Static	Atmospheric
HWPT0067	5/30/01	0.00	20.60	0.00	79.40	0.00	0.00
HWPT0068	5/30/01	0.00	20.60	0.00	79.40	0.00	0.00
HWPT0069	5/30/01	0.00	20.10	0.20	79.70	0.00	0.00
HWPT0070	5/30/01	0.00	19.90	0.40	79.70	0.00	0.00
HWPT0071	5/30/01	0.00	20.50	0.00	79.50	0.00	0.00
HWPT0072	5/30/01	0.00	20.30	0.00	79.70	0.00	0.00
HWPT0073	5/30/01	0.00	20.50	0.00	79.50	0.00	0.00
HWPT0074	5/30/01	0.00	20.60	0.00	79.40	0.00	0.00
HWPT0075	5/30/01	0.00	20.60	0.00	79.40	0.00	0.00
HWPT0076	5/30/01	0.00	20.50	0.00	79.50	0.00	0.00
HWPT0077	5/30/01	0.00	20.80	0.00	79.20	0.00	0.00
HWPT0078	5/30/01	0.00	19.70	0.70	79.60	0.00	0.00
HWPT0079	5/30/01	0.00	18.40	1.60	80.00	0.00	0.00
HWPT0080	5/30/01	0.00	20.60	0.00	79.40	0.00	0.00
HWPT0081	5/30/01	0.00	20.20	0.20	79.60	0.00	0.00

Hewitt Pit

Probe Report for All Probes

6/01/2001 to 6/30/2001

Probe ID	Date	Gas Composition				Pressure	
		CH4	O2	CO2	N2-Bal	Static	Atmospheric
HWPT0001	6/5/01	0.00	20.20	0.00	79.80	0.00	0.00
HWPT0002	6/5/01	0.00	17.50	2.30	80.20	0.00	0.00
HWPT0003	6/5/01	0.00	20.40	0.20	79.40	0.00	0.00
HWPT0004	6/5/01	0.00	20.60	0.20	79.20	0.00	0.00
HWPT0005	6/5/01	0.00	18.90	1.70	79.40	0.00	0.00
HWPT0006	6/5/01	0.00	19.80	0.70	79.50	0.00	0.00
HWPT0007	6/5/01	0.00	20.00	0.40	79.60	0.00	0.00
HWPT0008	6/5/01	0.00	19.90	0.00	80.10	0.00	0.00
HWPT0009	6/5/01	0.00	19.40	8.80	79.80	0.00	0.00
HWPT0010	6/5/01	0.00	18.40	0.70	80.90	0.00	0.00
HWPT0011	6/5/01	0.00	14.40	1.10	84.50	0.00	0.00
HWPT0012	6/5/01	0.00	19.20	0.30	80.50	0.00	0.00
HWPT0013	6/5/01	0.00	20.00	0.00	80.00	0.00	0.00
HWPT0014	6/5/01	0.00	20.90	0.00	79.10	-0.03	0.00
HWPT0015	6/5/01	0.00	20.90	0.00	79.10	0.00	0.00
HWPT0016	6/5/01	0.00	20.80	0.00	79.20	-0.01	0.00
HWPT0017	6/5/01	0.00	20.40	0.30	79.30	0.00	0.00
HWPT0018	6/5/01	0.00	20.80	0.10	79.10	0.00	0.00
HWPT0019	6/5/01	0.00	20.90	0.00	79.10	-0.02	0.00
HWPT0020	6/5/01	0.00	20.80	0.00	79.20	0.00	0.00
HWPT0021	6/5/01	0.00	20.80	0.00	79.20	0.00	0.00
HWPT0022	6/5/01	0.00	20.90	0.00	79.10	0.00	0.00
HWPT0023	6/5/01	0.00	20.90	0.00	79.10	0.00	0.00
HWPT0024	6/5/01	0.00	20.90	0.00	79.10	-0.02	0.00
HWPT0025	6/5/01	0.00	20.90	0.00	79.10	-0.01	0.00
HWPT0026	6/5/01	0.00	20.90	0.00	79.10	0.00	0.00
HWPT0027	6/5/01	0.00	20.80	0.00	79.20	-0.01	0.00
HWPT0028	6/5/01	0.00	20.90	0.00	79.10	-0.02	0.00
HWPT0029	6/5/01	0.00	20.90	0.00	79.10	-0.02	0.00
HWPT0030	6/5/01	0.00	20.90	0.00	79.10	-0.02	0.00
HWPT0031	6/5/01	0.00	20.90	0.00	79.10	-0.03	0.00
HWPT0032	6/5/01	0.00	20.90	0.00	79.10	0.00	0.00
HWPT0033	6/5/01	0.00	20.90	0.00	79.10	0.00	0.00
HWPT0034	6/5/01	0.00	20.30	0.60	79.10	0.00	0.00
HWPT0035	6/5/01	0.00	20.80	0.00	79.20	-0.01	0.00
HWPT0036	6/5/01	0.00	16.60	4.00	79.40	-0.03	0.00
HWPT0037	6/5/01	0.00	20.70	0.00	79.30	-0.02	0.00
HWPT0038	6/5/01	0.00	20.70	0.00	79.30	-0.04	0.00
HWPT0039	6/5/01	0.00	20.80	0.00	79.20	0.00	0.00

Hewitt Pit
Probe Report for All Probes
6/01/2001 to 6/30/2001

		Gas Composition				Pressure	
Probe ID	Date	CH4	O2	CO2	N2-Bal	Static	Atmospheric
HWPT0040	6/5/01	0.00	20.70	0.10	79.20	-0.03	0.00
HWPT0041	6/5/01	0.00	20.80	0.00	79.20	-0.06	0.00
HWPT0042	6/5/01	0.00	20.90	0.00	79.10	0.00	0.00
HWPT0043	6/5/01	0.00	20.50	0.40	79.10	0.00	0.00
HWPT0044	6/5/01	0.00	20.80	0.00	79.20	0.00	0.00
HWPT0045	6/5/01	0.00	19.00	1.40	79.60	-0.02	0.00
HWPT0046	6/5/01	0.00	20.60	0.00	79.40	-0.03	0.10
HWPT0047	6/5/01	0.00	20.80	0.00	79.20	-0.03	0.00
HWPT0048	6/5/01	0.00	20.40	0.40	79.20	0.00	0.00
HWPT0049	6/5/01	0.00	18.40	2.80	78.80	-0.01	0.00
HWPT0050	6/5/01	0.00	18.50	2.30	79.20	-0.04	0.00
HWPT0051	6/5/01	0.00	19.20	1.70	79.10	0.00	0.00
HWPT0052	6/5/01	0.00	20.10	0.60	79.30	0.00	0.00
HWPT0053	6/5/01	0.00	20.10	0.60	79.30	-0.01	0.00
HWPT0054	6/5/01	0.00	20.70	0.00	79.30	-0.01	0.00
HWPT0055	6/5/01	0.00	19.90	0.90	79.20	-0.04	0.00
HWPT0056	6/5/01	0.00	20.80	0.00	79.20	0.00	0.00
HWPT0057	6/5/01	0.00	20.80	0.00	79.20	-0.01	0.00
HWPT0058	6/5/01	0.00	20.80	0.00	79.20	-0.03	0.00
HWPT0059	6/5/01	0.00	20.60	0.20	79.20	-0.03	0.00
HWPT0060	6/5/01	0.00	20.00	0.80	79.20	0.00	0.00
HWPT0061	6/5/01	0.00	20.30	0.30	79.40	0.00	0.00
HWPT0062	6/5/01	0.00	19.80	0.70	79.50	-0.02	0.00
HWPT0063	6/5/01	0.00	20.30	0.30	79.40	-0.03	0.00
HWPT0064	6/5/01	0.00	19.90	0.90	79.20	-0.02	0.00
HWPT0065	6/5/01	0.00	20.50	0.00	79.50	0.00	0.00
HWPT0066	6/5/01	0.00	20.60	0.00	79.40	-0.01	0.00
HWPT0067	6/5/01	0.00	20.50	0.00	79.50	-0.02	0.00
HWPT0068	6/5/01	0.00	20.60	0.00	79.40	0.00	0.00
HWPT0069	6/5/01	0.00	20.50	0.20	79.30	-0.01	0.00
HWPT0069	6/5/01	0.00	20.50	0.20	79.30	-0.03	0.00
HWPT0070	6/5/01	0.00	20.00	0.50	79.50	-0.02	0.00
HWPT0071	6/5/01	0.00	20.50	0.00	79.50	-0.04	0.00
HWPT0072	6/5/01	0.00	20.50	0.00	79.50	0.00	0.00
HWPT0073	6/5/01	0.00	20.60	0.00	79.40	0.00	0.00
HWPT0074	6/5/01	0.00	20.70	0.00	79.30	0.00	0.00
HWPT0075	6/5/01	0.00	20.60	0.10	79.30	0.00	0.00
HWPT0076	6/5/01	0.00	20.50	0.20	79.30	0.00	0.00
HWPT0077	6/5/01	0.00	20.70	0.00	79.30	-0.02	0.00

Hewitt Pit
Probe Report for All Probes
6/01/2001 to 6/30/2001

Probe ID	Date	Gas Composition				Pressure	
		CH4	O2	CO2	N2-Bal	Static	Atmospheric
HWPT0078	6/5/01	0.00	19.20	1.10	79.70	0.00	0.00
HWPT0079	6/5/01	0.00	17.40	2.40	80.20	-0.02	0.00
HWPT0080	6/5/01	0.00	20.60	0.00	79.40	0.00	0.00
HWPT0081	6/5/01	0.00	20.50	0.10	79.40	0.00	0.00
HWPT0001	6/12/01	0.00	13.60	5.70	80.70	0.00	0.00
HWPT0002	6/12/01	0.00	17.10	2.30	80.60	0.00	0.00
HWPT0003	6/12/01	0.00	17.90	0.70	81.40	0.00	0.00
HWPT0004	6/12/01	0.00	19.50	0.00	80.50	0.00	0.00
HWPT0005	6/12/01	0.00	17.60	1.90	80.50	0.00	0.00
HWPT0006	6/12/01	0.00	18.00	1.30	80.70	0.00	0.00
HWPT0007	6/12/01	0.00	17.90	1.20	80.90	0.00	0.00
HWPT0008	6/12/01	0.00	14.20	4.90	80.90	0.00	0.00
HWPT0009	6/12/01	0.00	18.40	0.90	80.70	0.00	0.00
HWPT0010	6/12/01	0.00	18.40	1.00	0.00	0.00	0.00
HWPT0011	6/12/01	0.00	15.30	1.00	83.70	0.00	0.00
HWPT0012	6/12/01	0.00	18.40	1.30	80.30	0.00	0.00
HWPT0013	6/12/01	0.00	19.80	0.00	80.20	0.01	0.00
HWPT0014	6/12/01	0.00	20.00	0.00	80.00	0.00	0.00
HWPT0015	6/12/01	0.00	19.20	0.80	80.00	0.00	0.00
HWPT0016	6/12/01	0.00	19.90	0.00	80.10	0.00	0.00
HWPT0017	6/12/01	0.00	19.70	0.20	80.10	0.00	0.00
HWPT0018	6/12/01	0.00	19.70	0.00	80.30	0.00	0.00
HWPT0019	6/12/01	0.00	19.90	0.00	80.10	0.00	0.00
HWPT0020	6/12/01	0.00	19.70	0.00	80.30	0.00	0.00
HWPT0021	6/12/01	0.00	18.00	1.60	80.40	0.00	0.00
HWPT0022	6/12/01	0.00	19.30	0.30	80.40	0.00	0.00
HWPT0023	6/12/01	0.00	19.10	0.70	80.20	0.00	0.00
HWPT0024	6/12/01	0.00	19.50	0.30	80.20	0.00	0.00
HWPT0025	6/12/01	0.00	18.20	1.40	80.40	0.00	0.00
HWPT0026	6/12/01	0.00	19.40	0.40	80.20	0.00	0.00
HWPT0027	6/12/01	0.00	20.00	0.00	80.00	0.00	0.00
HWPT0028	6/12/01	0.00	20.10	0.00	79.90	0.00	0.00
HWPT0029	6/12/01	0.00	19.70	0.20	80.10	0.00	0.00
HWPT0030	6/12/01	0.00	18.50	1.00	80.50	0.00	0.00
HWPT0031	6/12/01	0.00	20.00	0.00	80.00	0.00	0.00
HWPT0032	6/12/01	0.00	19.40	0.30	80.30	0.00	0.00
HWPT0033	6/12/01	0.00	18.00	1.40	80.60	0.00	0.00
HWPT0034	6/12/01	0.00	19.10	0.80	80.10	0.00	0.00
HWPT0035	6/12/01	0.00	14.20	5.40	80.40	0.00	0.00

Hewitt Pit
Probe Report for All Probes
6/01/2001 to 6/30/2001

		Gas Composition				Pressure	
Probe ID	Date	CH4	O2	CO2	N2-Bal	Static	Atmospheric
HWPT0036	6/12/01	0.00	13.50	6.60	79.90	0.00	0.00
HWPT0037	6/12/01	0.00	19.50	0.30	80.20	0.00	0.00
HWPT0038	6/12/01	0.00	15.10	4.20	80.70	0.00	0.00
HWPT0039	6/12/01	0.00	19.10	0.50	80.40	0.00	0.00
HWPT0040	6/12/01	0.00	19.70	0.30	80.00	0.00	0.00
HWPT0041	6/12/01	0.00	18.90	0.80	80.30	0.00	0.00
HWPT0042	6/12/01	0.00	18.10	1.60	80.30	0.00	0.00
HWPT0043	6/12/01	0.00	16.40	2.70	80.90	0.00	0.00
HWPT0044	6/12/01	0.00	16.40	2.70	80.90	0.00	0.00
HWPT0045	6/12/01	0.00	15.90	3.20	80.90	0.01	0.00
HWPT0046	6/12/01	0.00	18.20	1.30	80.50	0.00	0.00
HWPT0047	6/12/01	0.00	17.50	2.00	80.50	0.00	0.00
HWPT0048	6/12/01	0.00	19.20	0.50	80.30	0.01	0.00
HWPT0049	6/12/01	0.00	17.50	2.80	79.70	0.01	0.00
HWPT0050	6/12/01	0.00	19.30	0.70	80.00	0.00	0.00
HWPT0051	6/12/01	0.00	18.60	1.50	79.90	0.00	0.00
HWPT0052	6/12/01	0.00	20.00	0.00	80.00	0.00	0.00
HWPT0053	6/12/01	0.00	19.20	0.70	80.10	0.00	0.00
HWPT0054	6/12/01	0.00	18.40	1.50	80.10	0.00	0.00
HWPT0055	6/12/01	0.00	18.50	1.50	80.00	0.00	0.00
HWPT0056	6/12/01	0.00	19.90	0.10	80.00	0.00	0.00
HWPT0057	6/12/01	0.00	18.80	1.30	79.90	0.00	0.00
HWPT0058	6/12/01	0.00	18.40	1.60	80.00	0.00	0.00
HWPT0059	6/12/01	0.00	19.50	0.50	80.00	0.00	0.00
HWPT0060	6/12/01	0.00	19.20	0.80	80.00	0.00	0.00
HWPT0061	6/12/01	0.00	19.70	0.30	80.00	-0.01	0.00
HWPT0062	6/12/01	0.00	18.80	1.10	80.30	0.00	0.00
HWPT0063	6/12/01	0.00	19.50	0.30	80.20	-0.01	0.00
HWPT0064	6/12/01	0.00	20.10	0.00	79.90	0.00	0.00
HWPT0065	6/12/01	0.00	20.00	0.00	80.00	-0.01	0.00
HWPT0066	6/12/01	0.00	20.10	0.00	79.90	0.00	0.00
HWPT0067	6/12/01	0.00	20.00	0.10	79.90	0.00	0.00
HWPT0068	6/12/01	0.00	20.00	0.10	79.90	0.00	0.00
HWPT0069	6/12/01	0.00	19.50	0.50	80.00	0.00	0.00
HWPT0070	6/12/01	0.00	19.30	0.60	80.10	0.00	0.00
HWPT0071	6/12/01	0.00	20.00	0.00	80.00	0.00	0.00
HWPT0072	6/12/01	0.00	19.80	0.40	79.80	0.00	0.00
HWPT0073	6/12/01	0.00	20.10	0.00	79.90	0.00	0.00
HWPT0074	6/12/01	0.00	20.20	0.00	79.80	0.00	0.00

Hewitt Pit
Probe Report for All Probes
6/01/2001 to 6/30/2001

Probe ID	Date	Gas Composition				Pressure	
		CH4	O2	CO2	N2-Bal	Static	Atmospheric
HWPT0075	6/12/01	0.00	20.00	0.00	80.00	0.00	0.00
HWPT0076	6/12/01	0.00	20.00	0.00	80.00	0.00	0.00
HWPT0077	6/12/01	0.00	20.00	0.00	80.00	0.00	0.00
HWPT0078	6/12/01	0.00	16.20	3.20	80.60	0.00	0.00
HWPT0079	6/12/01	0.00	12.50	7.10	80.40	0.00	0.00
HWPT0080	6/12/01	0.00	19.60	0.20	80.20	0.00	0.00
HWPT0081	6/12/01	0.00	18.60	1.40	80.00	0.00	0.00
HWPT0001	6/19/01	0.00	19.70	0.00	80.30	-0.01	0.00
HWPT0002	6/19/01	0.00	17.50	2.30	80.20	0.00	0.00
HWPT0003	6/19/01	0.00	19.60	0.20	80.20	0.00	0.00
HWPT0004	6/19/01	0.00	19.30	0.40	80.30	0.00	0.00
HWPT0005	6/19/01	0.10	19.90	0.00	80.00	0.00	0.00
HWPT0006	6/19/01	0.00	18.70	1.00	80.30	0.00	0.00
HWPT0007	6/19/01	0.00	19.10	0.50	80.40	0.00	0.10
HWPT0008	6/19/01	0.00	19.90	0.00	80.10	0.00	0.00
HWPT0009	6/19/01	0.00	19.00	0.50	80.50	0.00	0.00
HWPT0010	6/19/01	0.00	18.40	0.70	80.90	0.00	0.00
HWPT0011	6/19/01	0.00	14.40	1.10	84.50	0.00	0.00
HWPT0012	6/19/01	0.00	19.20	0.30	80.50	0.00	0.00
HWPT0013	6/19/01	0.00	20.00	0.00	80.00	0.00	0.00
HWPT0014	6/19/01	0.00	20.00	0.00	80.00	0.00	0.00
HWPT0015	6/19/01	0.00	20.00	0.00	80.00	0.00	0.00
HWPT0016	6/19/01	0.00	19.70	0.00	80.30	0.00	0.00
HWPT0017	6/19/01	0.00	19.90	0.00	80.10	0.00	0.00
HWPT0018	6/19/01	0.00	20.00	0.00	80.00	0.00	0.00
HWPT0019	6/19/01	0.00	20.10	0.00	79.90	0.01	0.00
HWPT0020	6/19/01	0.00	20.00	0.00	80.00	0.01	0.10
HWPT0021	6/19/01	0.00	20.10	0.00	79.90	0.00	0.00
HWPT0022	6/19/01	0.00	20.10	0.00	79.90	0.00	0.00
HWPT0023	6/19/01	0.00	19.20	0.40	80.40	0.00	0.00
HWPT0024	6/19/01	0.00	19.90	0.00	80.10	0.00	0.00
HWPT0025	6/19/01	0.00	20.10	0.00	79.90	0.00	0.00
HWPT0026	6/19/01	0.00	20.10	0.00	79.90	0.00	0.00
HWPT0027	6/19/01	0.00	20.00	0.00	80.00	0.00	0.00
HWPT0028	6/19/01	0.00	19.90	0.00	80.10	0.00	0.00
HWPT0029	6/19/01	0.00	19.10	0.40	80.50	0.00	0.00
HWPT0030	6/19/01	0.00	20.10	0.00	79.90	0.00	0.00
HWPT0031	6/19/01	0.00	20.10	0.00	79.90	0.00	0.00
HWPT0032	6/19/01	0.00	19.40	0.30	80.30	0.00	0.00

Hewitt Pit
Probe Report for All Probes
6/01/2001 to 6/30/2001

Probe ID	Date	Gas Composition				Pressure	
		CH4	O2	CO2	N2-Bal	Static	Atmospheric
HWPT0033	6/19/01	0.00	20.00	0.00	80.00	0.00	0.00
HWPT0035	6/19/01	0.00	16.80	2.50	80.70	0.00	0.00
HWPT0036	6/19/01	0.00	16.00	3.40	80.60	0.00	0.00
HWPT0037	6/19/01	0.00	19.20	0.40	80.40	0.00	0.00
HWPT0038	6/19/01	0.00	20.10	0.00	79.90	0.00	0.00
HWPT0039	6/19/01	0.10	19.40	0.20	80.30	0.00	0.00
HWPT0040	6/19/01	0.00	20.20	0.00	79.80	0.00	0.00
HWPT0041	6/19/01	0.00	19.40	0.30	80.30	0.00	0.00
HWPT0042	6/19/01	0.00	20.20	0.00	79.80	0.00	0.00
HWPT0043	6/19/01	0.00	18.60	0.90	80.50	0.00	0.00
HWPT0044	6/19/01	0.00	20.20	0.00	79.80	0.00	0.00
HWPT0045	6/19/01	0.00	15.90	2.60	81.50	0.00	0.00
HWPT0046	6/19/01	0.00	20.20	0.00	79.80	0.00	0.10
HWPT0047	6/19/01	0.00	19.90	0.00	80.10	0.00	0.00
HWPT0048	6/19/01	0.00	19.40	0.40	80.20	0.00	0.00
HWPT0049	6/19/01	0.00	20.10	0.00	79.90	0.00	0.00
HWPT0050	6/19/01	0.00	18.20	1.70	80.10	0.00	0.00
HWPT0051	6/19/01	0.00	19.20	0.70	80.10	0.00	0.00
HWPT0052	6/19/01	0.00	19.40	0.30	80.30	0.00	0.00
HWPT0053	6/19/01	0.00	20.00	0.00	80.00	0.00	0.00
HWPT0054	6/19/01	0.00	20.10	0.00	79.90	0.00	0.00
HWPT0055	6/19/01	0.00	20.00	0.00	80.00	0.00	0.00
HWPT0056	6/19/01	0.00	20.10	0.00	79.90	0.00	0.00
HWPT0057	6/19/01	0.00	19.10	0.70	80.20	0.00	0.00
HWPT0058	6/19/01	0.00	19.90	0.00	80.10	0.00	0.00
HWPT0059	6/19/01	0.00	20.10	0.00	79.90	0.00	0.00
HWPT0060	6/19/01	0.00	18.80	0.90	80.30	0.00	0.00
HWPT0061	6/19/01	0.00	19.40	0.10	80.50	0.00	0.00
HWPT0062	6/19/01	0.00	20.00	0.00	80.00	0.00	0.00
HWPT0063	6/19/01	0.00	20.00	0.00	80.00	0.00	0.00
HWPT0064	6/19/01	0.00	20.00	0.00	80.00	-0.01	0.00
HWPT0065	6/19/01	0.00	20.00	0.00	80.00	0.00	0.00
HWPT0066	6/19/01	0.00	19.90	0.00	80.10	0.00	0.00
HWPT0067	6/19/01	0.00	19.80	0.00	80.20	0.00	0.10
HWPT0068	6/19/01	0.00	19.90	0.00	80.10	0.00	0.00
HWPT0069	6/19/01	0.00	19.10	0.20	80.70	0.00	0.00
HWPT0070	6/19/01	0.00	19.70	0.00	80.30	0.01	0.00
HWPT0071	6/19/01	0.00	19.70	0.00	80.30	0.00	0.00
HWPT0072	6/19/01	0.00	19.70	0.00	80.30	0.00	0.00

Hewitt Pit

Probe Report for All Probes

6/01/2001 to 6/30/2001

Probe ID	Date	Gas Composition				Pressure	
		CH4	O2	CO2	N2-Bal	Static	Atmospheric
HWPT0073	6/19/01	0.00	19.70	0.00	80.30	0.01	0.00
HWPT0074	6/19/01	0.00	19.70	0.00	80.30	0.00	0.00
HWPT0075	6/19/01	0.00	19.60	0.00	80.40	0.00	0.00
HWPT0076	6/19/01	0.00	19.70	0.00	80.30	-0.01	0.00
HWPT0077	6/19/01	0.00	20.00	0.00	80.00	0.00	0.00
HWPT0078	6/19/01	0.00	14.20	4.20	81.60	0.00	0.00
HWPT0079	6/19/01	0.00	17.50	1.80	80.70	0.00	0.00
HWPT0080	6/19/01	0.00	19.80	0.00	80.20	0.00	0.00
HWPT0081	6/19/01	0.00	19.90	0.00	80.10	0.00	0.00
HWPT0069	6/26/01	0.00	20.90	0.20	78.90	0.00	0.00
HWPT0070	6/26/01	0.00	20.40	0.50	79.10	-0.01	0.00
HWPT0071	6/26/01	0.00	21.00	0.00	79.00	0.00	0.00
HWPT0072	6/26/01	0.00	20.80	0.00	79.20	-0.01	0.00
HWPT0073	6/26/01	0.00	21.00	0.00	79.00	-0.01	0.00
HWPT0074	6/26/01	0.00	21.10	0.00	78.90	-0.03	0.00
HWPT0075	6/26/01	0.00	20.90	0.00	79.10	0.00	0.00
HWPT0076	6/26/01	0.00	20.90	0.00	79.10	0.00	0.00
HWPT0077	6/26/01	0.00	21.00	0.00	79.00	0.00	0.00
HWPT0078	6/26/01	0.00	20.30	0.40	79.30	0.00	0.00
HWPT0079	6/26/01	0.00	16.20	3.80	80.00	0.00	0.00
HWPT0080	6/26/01	0.00	17.50	1.90	80.60	0.00	0.00
HWPT0081	6/26/01	0.00	20.70	0.00	79.30	0.00	0.00
HWPT0001	6/26/01	0.00	21.00	0.00	79.00	0.00	0.00
HWPT0002	6/26/01	0.00	18.20	2.20	79.60	0.00	0.00
HWPT0003	6/26/01	0.00	20.40	0.20	79.40	0.00	0.00
HWPT0004	6/26/01	0.00	20.60	0.20	79.20	0.00	0.00
HWPT0005	6/26/01	0.00	18.90	1.70	79.40	0.00	0.00
HWPT0006	6/26/01	0.00	19.80	0.70	79.50	0.00	0.00
HWPT0007	6/26/01	0.00	20.00	0.40	79.60	0.00	0.00
HWPT0008	6/26/01	0.00	20.70	0.00	79.30	0.00	0.00
HWPT0009	6/26/01	0.00	19.40	0.80	79.80	0.00	0.00
HWPT0010	6/26/01	0.00	20.60	0.00	79.40	0.00	0.00
HWPT0011	6/26/01	0.00	20.70	0.00	79.30	0.00	0.00
HWPT0012	6/26/01	0.00	20.80	0.00	79.20	0.00	0.00
HWPT0013	6/26/01	0.00	20.80	0.00	79.20	0.00	0.00
HWPT0014	6/26/01	0.00	20.90	0.00	79.10	0.00	0.00
HWPT0015	6/26/01	0.00	20.10	0.30	79.60	-0.01	0.00
HWPT0016	6/26/01	0.00	20.70	0.00	79.30	0.00	0.00
HWPT0017	6/26/01	0.00	20.10	0.20	79.70	0.00	0.00

Hewitt Pit
Probe Report for All Probes
6/01/2001 to 6/30/2001

		Gas Composition				Pressure	
Probe ID	Date	CH4	O2	CO2	N2-Bal	Static	Atmospheric
HWPT0018	6/26/01	0.00	20.40	0.10	79.50	-0.01	0.00
HWPT0019	6/26/01	0.00	20.50	0.00	79.50	-0.02	0.00
HWPT0020	6/26/01	0.00	20.70	0.00	79.30	0.00	0.00
HWPT0021	6/26/01	0.00	20.40	0.30	79.30	-0.01	0.00
HWPT0022	6/26/01	0.00	20.80	0.00	79.20	-0.02	0.00
HWPT0023	6/26/01	0.00	20.00	0.50	79.50	0.00	0.00
HWPT0024	6/26/01	0.00	20.80	0.00	79.20	0.00	0.00
HWPT0025	6/26/01	0.00	20.50	0.10	79.40	0.00	0.00
HWPT0026	6/26/01	0.00	20.80	0.00	79.20	0.00	0.00
HWPT0027	6/26/01	0.00	20.80	0.00	79.20	-0.01	0.00
HWPT0028	6/26/01	0.00	20.80	0.00	79.20	0.00	0.00
HWPT0029	6/26/01	0.00	20.70	0.00	79.30	-0.01	0.00
HWPT0030	6/26/01	0.00	20.90	0.00	79.10	-0.01	0.00
HWPT0031	6/26/01	0.00	20.80	0.00	79.20	0.00	0.00
HWPT0032	6/26/01	0.00	20.90	0.00	79.10	0.00	0.00
HWPT0033	6/26/01	0.00	20.90	0.00	79.10	0.00	0.00
HWPT0034	6/26/01	0.00	20.60	0.10	79.30	0.00	0.00
HWPT0035	6/26/01	0.00	20.90	0.00	79.10	-0.01	0.00
HWPT0036	6/26/01	0.00	20.90	0.00	79.10	-0.03	0.00
HWPT0037	6/26/01	0.00	20.90	0.00	79.10	-0.03	0.00
HWPT0038	6/26/01	0.00	20.90	0.00	79.10	-0.03	0.00
HWPT0039	6/26/01	0.00	20.80	0.00	79.20	-0.05	0.00
HWPT0040	6/26/01	0.00	20.70	0.00	79.30	0.00	0.00
HWPT0041	6/26/01	0.00	20.80	0.00	79.20	-0.01	0.00
HWPT0042	6/26/01	0.00	20.80	0.00	79.20	-0.01	0.00
HWPT0043	6/26/01	0.00	20.40	0.20	79.40	0.00	0.00
HWPT0044	6/26/01	0.00	20.50	0.00	79.50	-0.01	0.00
HWPT0045	6/26/01	0.00	20.70	0.00	79.30	-0.02	0.00
HWPT0046	6/26/01	0.00	20.80	0.00	79.20	0.00	0.00
HWPT0047	6/26/01	0.00	20.90	0.00	79.10	0.00	0.00
HWPT0048	6/26/01	0.00	20.20	0.30	79.50	-0.02	0.00
HWPT0049	6/26/01	0.00	20.00	0.50	79.50	0.00	0.00
HWPT0050	6/26/01	0.00	20.00	0.50	79.50	0.00	0.00
HWPT0051	6/26/01	0.00	20.00	0.50	79.50	0.00	0.00
HWPT0052	6/26/01	0.00	20.00	0.50	79.50	-0.01	0.00
HWPT0053	6/26/01	0.00	20.00	0.50	79.50	0.00	0.00
HWPT0054	6/26/01	0.00	20.70	0.00	79.30	0.00	0.00
HWPT0055	6/26/01	0.00	20.70	0.00	79.30	-0.01	0.00
HWPT0056	6/26/01	0.00	20.60	0.00	79.40	-0.01	0.00

Hewitt Pit
Probe Report for All Probes
6/01/2001 to 6/30/2001

		Gas Composition				Pressure	
Probe ID	Date	CH4	O2	CO2	N2-Bal	Static	Atmospheric
HWPT0057	6/26/01	0.00	20.40	0.20	79.40	0.00	0.00
HWPT0058	6/26/01	0.00	20.50	0.00	79.50	0.00	0.00
HWPT0059	6/26/01	0.00	20.60	0.00	79.40	0.00	0.00
HWPT0060	6/26/01	0.00	20.00	0.50	79.50	0.00	0.00
HWPT0061	6/26/01	0.00	20.30	0.10	79.60	0.00	0.00
HWPT0062	6/26/01	0.00	19.20	1.00	79.80	-0.03	0.00
HWPT0063	6/26/01	0.00	19.90	0.30	79.80	-0.02	0.00
HWPT0064	6/26/01	0.00	20.50	0.20	79.30	0.00	0.00
HWPT0065	6/26/01	0.00	20.80	0.00	79.20	0.00	0.00
HWPT0066	6/26/01	0.00	20.70	0.00	79.30	0.00	0.00
HWPT0067	6/26/01	0.00	20.70	0.00	79.30	0.00	0.00
HWPT0068	6/26/01	0.00	20.80	0.00	79.20	0.00	0.00

Attachment 2

INTEGRATED LANDFILL

SURFACE SAMPLING

July 9, 2001 Grids 38-51
July 9, 2001 Grids 9-21
July 30, 2001 Grid 52
July 30, 2001 Grids 1-8
July 30, 2001 Grids 22-37

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HEWITT PIT LANDFILL

INTEGRATED LANDFILL SURFACE MONITORING

Personnel: M. MAYBERRY D. JONES

Date: 7-9-01 Instrument used: PACE #: 3, #6

Temperature:

Grid ID	Staff Initials	Time Start	Time Stop	TOC ppm	Roto-mtr, cc/min	Wind spd, mph/direct	Remarks
47	MM	0700	0725	6	333	5 4	
48	DJ	0700	0725	3		5 4	
49	MM	0725	0750	5		5 4	
50	DJ	0725	0750	5		5 4	
51	MM	0750	0815	6		5 4	
42	DJ	0750	0815	7		5 4	
43	MM	0815	0840	4		6 4	
44	DJ	0815	0840	4		6 4	
45	MM	0840	0905	5		6 3	
46	DJ	0840	0905	6		6 3	
38	MM	0905	0930	6		8 4	
39	DJ	0905	0930	4		8 4	
40	MM	0930	0955	5		8 4	
41	DJ	0930	0955	5		8 4	
37	MM	0955	1020	3		8 4	
21	DJ	0955	1020	5		8 4	
20	MM	1020	1045	6		8 3	
19	DJ	1020	1045	4		8 3	
18	MM	1045	1110	5		8 3	

Attach Calibration Sheet
Attach site map showing grid ID

Page ____ of ____

Wp:hotspots 2000.wks

HEWITT PIT LANDFILL

INTEGRATED LANDFILL SURFACE MONITORING

Personnel: M. MAYBERRY D. JONES

Date: 9-9-01 Instrument used: PACK #3, #6

Temperature:

Grid ID	Staff Initials	Time Start	Time Stop	TOC ppm	Roto-mtr, cc/min	Wind spd, mph/direct	Remarks
17	DJ	1045	1110	6	333	8 3	
16	MM	1110	1135	4		6 4	
15	DJ	1110	1135	5		6 4	
14	MM	1135	1200	5		5 4	
13	DJ	1135	1200	6		5 4	
12	MM	1200	1225	4		5 4	
11	DJ	1200	1225	4		5 4	
10	MM	1225	1250	4		5 4	
9	DJ	1225	1250	4	✓	5 4	

Attach Calibration Sheet
Attach site map showing grid ID

Page ____ of ____

Wp:hotspots 2000.wkst

RES Environmental Inc.

OVA CALIBRATION LOG

ISS 7-9-01

MAKE _____

SERIAL # _____

MODEL # _____

Operator	Date	Battery Check	Flow Meter Reading	Pressure At Bubble W.C.	Zero Reading 10 PPM	Zero Reading 100 PPM	Zero Reading 1000 PPM	Cal Calibration Gas Unsaturated Readings Low PPM	Low ACT	Med. PPM	Med. ACT	High PPM	High ACT	Cal Calibration Gas Compound Readings Low PPM	Low ACT	Med. PPM	Med. ACT	High PPM	High ACT	D.P. Calibration Check PPM	PPM	PPM	Solid Phase OC & Appr.	Comments Pressure
Maybery	7/9	OK	210	—	0	0	0	—	—	50	50	—	—	—	—	50	50	—	—	—	50	—	Sat	AW 180

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

HEWITT PIT LANDFILL

INTEGRATED LANDFILL SURFACE MONITORING

Personnel: R. ROBERTS M. GEORGET

Date: 7-30-01 Instrument used: PACE #1, #2

Temperature:

Grid ID	Staff Initials	Time Start	Time Stop	TOC ppm	Roto-mtr, cc/min	Wind spd, mph/direct	Remarks
8	RR	0700	0725	4	337	6 J	
7	MG	0700	0725	4		6 J	
6	RR	0725	0750	5		8 J	
5	MG	0725	0750	4		8 J	
4	RR	0750	0815	4		8 J	
3	MG	0750	0815	4		8 J	
2	RR	0815	0840	5		6 4	
1	MG	0815	0840	4		6 4	
22	RR	0840	0905	5		7 J	
23	MG	0840	0905	4		7 J	
24	RR	0905	0930	5		8 J	
25	MG	0905	0930	4		8 J	
26	RR	0930	0955	4		7 4	
27	MG	0930	0955	5		7 4	
28	RR	0955	1020	4		7 4	
29	MG	0955	1020	4		7 4	
30	RR	1020	1045	5		6 4	
31	MG	1020	1045	5		6 4	
32	RR	1045	1110	4	✓	6 4	

Attach Calibration Sheet
Attach site map showing grid ID

Wp:hotspots 2000.wkst

Page ____ of ____

HEWITT PIT LANDFILL

INTEGRATED LANDFILL SURFACE MONITORING

Personnel: R. ROBERTS M. GEORGE II

Date: 7-30-01 Instrument used: PACK #1, #2

Temperature:

Grid ID	Staff Initials	Time Start	Time Stop	TOC ppm	Roto-mtr, cc/min	Wind spd, mph/direct	Remarks
33	MG	1045	1110	5	333	6 4	
34	MM	1010	1135	4		7 4	
35	MG	1110	1135	4		7 4	
36	MM	1135	1200	4		6 4	
52	MG	1135	1200	5		6 4	

Attach Calibration Sheet
Attach site map showing grid ID

Page ____ of ____

Wp:hotspots 2000.wksi

RES Environmental Inc.

OVA CALIBRATION LOG

7-30-01

MAKE _____

SERIAL # _____

MODEL # _____

ISS HEWITT PIT

Operator	Date	Battery Check	Flow Meter Reading	Pressure at Bottom W.C.	Zero Reading 10 PPM	Zero Reading 100 PPM	Zero Reading 1000 PPM	Cal Calibration Gas Measured Readings Low PPM	Low ACT	Med. PPM	Med. ACT	High PPM	High ACT	Cal Calibration Gas Measured Readings Low PPM	Low ACT	Med. PPM	Med. ACT	High PPM	High ACT	O Pt. Calibration Check PPM	PPM	PPM	Initial Batt. Dk. & Amt.	Calibration Problems
J. ROBEN	7/30	OK	2.0	—	0	0	0	—	—	50	50	—	—	—	—	50	50	—	—	—	50	—	OVA 105	

Attachment 3

INSTANTANEOUS LANDFILL SURFACE MONITORING

JULY 9, 2001

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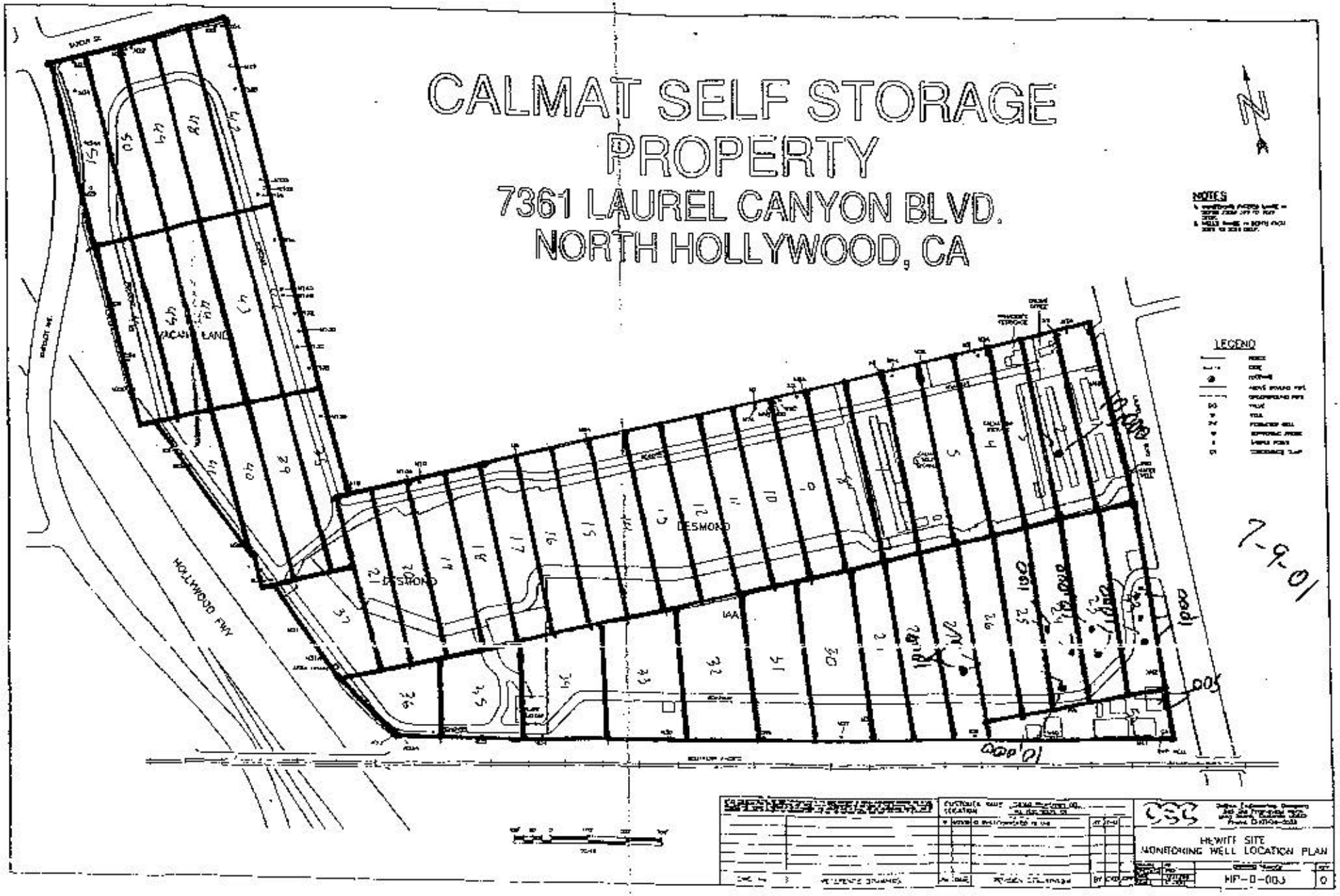
CALMAT SELF STORAGE PROPERTY

7361 LAUREL CANYON BLVD.
NORTH HOLLYWOOD, CA



CSS

HEWITT SITE
MONITORING WELL LOCATION PLAN

HP-0-003

0

HEWITT PIT LANDFILL

INSTANTANEOUS LANDFILL SURFACE MONITORING

Personnel: R. ROBERTS M. GEORGEI

Date: 7-9-01 Instrument used: OVA 108 / 128

Temperature:

Wind Direction: Ave. Wind Speed (mph):

Grid ID	Staff Initials	Time Start	Time Stop	TOC ppm	Remarks
1	MN	0630	0645	5	
2	MG	0630	0645	10,000	
3	RR	0645	0700	4	
4	MG	0645	0700	4	
5	RR	0700	0715	5	
6	MG	0700	0715	4	
7	RR	0715	0730	4	
8	MG	0715	0730	4	
9	RR	0730	0745	4	
10	MN	0730	0745	4	
11	RG	0745	0800	6	
12	MG	0745	0800	4	
13	RG	0800	0815	6	
14	MG	0800	0815	6	
15	RR	0815	0830	4	
16	MG	0815	0830	5	
17	RR	0830	0845	4	
18	MG	0830	0845	4	
19	RR	0845	0900	6	

Attach Calibration Sheet
Attach site map showing grid ID

Page ___ of ___

Wp:hotspots 2000.wkst

HEWITT PIT LANDFILL

INSTANTANEOUS LANDFILL SURFACE MONITORING

Personnel: R. ROBERTS M. GEORGET

Date: 7-9-01 Instrument used: OVA 108 / 128

Temperature:

Wind Direction: Ave. Wind Speed (mph):

Grid ID	Staff Initials	Time Start	Time Stop	TOC ppm	Remarks
20	MG	0845	0900	4	
21	RR	0900	0915	6	
22	MG	0900	0915	1,000	
23	RR	0915	0930	1,000	
24	MG	0915	0930	5,000	
25	RR	0930	0945	4	
26	MG	0930	0945	4	
27	RR	0945	1000	1,000	
28	MG	0945	1000	4	
29	RR	1000	1015	5	
30	MG	1000	1015	6	
31	RR	1015	1030	6	
32	MG	1015	1030	6	
33	RR	1030	1045	6	
34	MG	1030	1045	6	
35	RR	1045	1100	4	
36	MG	1045	1100	5	
37	RR	1100	1115	4	
38	MG	1100	1115	4	

Attach Calibration Sheet
Attach site map showing grid ID

Page ____ of ____

Wp.hotspots 2000.wks1

HEWITT PIT LANDFILL

INSTANTANEOUS LANDFILL SURFACE MONITORING

Personnel: R. ROBERTS M. GEORGEZ

Date: 7-9-01 Instrument used: OVA 108 / 128

Temperature:

Wind Direction: Ave. Wind Speed (mph):

Grid ID	Staff Initials	Time Start	Time Stop	TOC ppm	Remarks
39	MM	1115	1130	4	
40	MG	1115	1130	6	
41	RR	1130	1145	4	
42	MG	1130	1145	4	
43	RR	1145	1200	4	
44	MG	1145	1200	5	
45	RR	1200	1215	4	
46	MG	1200	1215	4	
47	RR	1215	1230	4	
48	MG	1215	1230	4	
49	RR	1230	1245	6	
50	MG	1230	1245	4	
51	RR	1245	1300	4	
52	MG	1245	1300	4	

Attach Calibration Sheet
Attach site map showing grid ID

Page ____ of ____

Wp.hotspots 2000.wkst

RES Environmental Inc.

OVA CALIBRATION LOG

HEWITT PIT

MAKE _____

SERIAL # _____

MODEL # _____

OVA 7-9-01

Operator	Date	Battery Check	Meter Mono Reading	Pressure Air Bottom W.C.	Zero Reading 10 PPM	Zero Reading 100 PPM	Zero Reading 1000 PPM	Chk Calibration Gas Unconvected Readings Low PPM	Low ACT	Med. PPM	Med. ACT	High PPM	High ACT	Chk Calibration Gas Convected Readings Low PPM	Low ACT	Med. PPM	Med. ACT	High PPM	High ACT	3 Pt. Calibration Check PPM	PPM	PPM	Initial Hold DC & Appr.	Comments Patterns
1. GEORGE	7/9	/	2.0	—	0	0	0	—				500	500	—				500	500	—		500	OVA 108	
2. ROBERTS	7/9	/	2.0	—	0	0	0	—				500	500	—				500	500	—		500	OVA 108	

HEWITT PIT LANDFILL

INSTANTANEOUS LANDFILL SURFACE MONITORING

Personnel: R. ROBERTS M. GEORGET

Date: 7-30-01 Instrument used: OVA 108-/128

Temperature:

Wind Direction: Ave. Wind Speed (mph):

Grid ID	Staff Initials	Time Start	Time Stop	TOC ppm	Remarks
					REMONITOR
2	RM	1200		10	CLEAR SURFACE WORK
22	MG	1200		6	CLEAR
23	RM	1210		6	CLEAR
24	MG	1210		4	CLEAR
27	RM	1220		6	CLEAR

Attach Calibration Sheet
Attach site map showing grid ID

Page ___ of ___

Wp.hotspots 2000.wkst

RES Environmental Inc.

OVA CALIBRATION LOG

R Emonitor

MAKE _____

SERIAL # _____

MODEL # _____

OVA 7-30-01

Operator	Date	Battery Check	Pipe Meter Reading	Pressure in Bottom W.C.	Zero Reading 10 PPM	Zero Reading 100 PPM	Zero Reading 1000 PPM	Ch4 Calibration Gas, Instrument Readings Low PPM	Low ACT	Mod. PPM	Mod. ACT	High PPM	High ACT	Ch4 Calibration Gas, Compound Readings Low PPM	Low ACT	Mod. PPM	Mod. ACT	High PPM	High ACT	3 Pt. Calibration Check PPM	PPM	PPM	Initial Initial DC & Appr.	Comment Features
M. George	7/30	OK	2.0	—	0	0	0	—	—	—	—	500	500	—	—	—	—	500	500	—	—	500	OVA	128
R. Rabens	7/30	OK	2.0	—	0	0	0	—	—	—	—	500	500	—	—	—	—	500	500	—	—	500	OVA	105

Attachment 4

INTEGRATED LANDFILL SURFACE SAMPLING LABORATORY RESULTS

JULY 9, 2001

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environmental consultants
laboratory services

LABORATORY ANALYSIS REPORT

SCAQMD Rule 1150.1 Components Analysis in Integrated Surface Tedlar Bag Samples

Report Date: August 7, 2001
Client: RES / GCE
Project Location: Hewit Pit
Date Received: July 31, 2001
Date Analyzed: July 31-August 1, 2001

AtmAA Lab No.:	02121-7	02121-8
Sample I.D.:	ISS Grid #43	ISS Grid #44
Components	(Concentration in ppmv)	
Methane	2.28	2.51
TGNMO	2.90	2.65
	(Concentration in ppbv)	
Hydrogen sulfide	<80	<80
Benzene	1.52	1.40
Benzylchloride	<0.5	<0.5
Chlorobenzene	0.19	<0.1
Dichlorobenzenes*	1.82	<1.1
1,1-dichloroethane	0.13	<0.1
1,2-dichloroethane	0.11	<0.1
1,1-dichloroethylene	<0.1	<0.1
Dichloromethane	0.41	1.00
1,2-dibromoethane	<0.1	<0.1
Perchloroethene	3.07	1.61
Carbon tetrachloride	0.16	0.14
Toluene	56.8	25.2
1,1,1-trichloroethane	<0.2	<0.2
Trichloroethene	1.00	0.41
Chloroform	<0.2	<0.2
Vinyl chloride	<0.1	<0.1
m + p-xylenes	25.6	10.6
o-xylene	5.18	2.42

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

CHAIN OF CUSTODY RECORD

Client/Project Name	Project Location
G.C.E. / HEWIT PIT	NORTH HOLLYWOOD

Project No.	Field Logbook No.

Sampler: (Print)	(Signature)	No. Of Containers
[illegible]	[illegible]	2

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	METHANE	TNMH	TDC			Remarks
GRID #43	7-30-01	1200-1225	02121-7	INTEGRATED	X	X	X			
GRID #44	7-30-01	1200-1225	-8	INTEGRATED	X	X	X			

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[illegible]	7-31-01	1109	[illegible]	7-31-01	1109
[illegible]	7-31-01	1215			

Relinquished by: (Signature)	Date	Time	Received for Laboratory: (Signature)	Date	Time

Sample Disposal Method:	Disposed of by: (Signature)	Date	Time

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

RES Environmental Inc.

LOCATION: HEWITT PIT

INTEGRATED SURFACE SAMPLING SHEET

GRID # #44

SAMPLE # —

CLASS # —

BAG # —

SAMPLER # #2

WIND SPEED _____ mph

WIND DIRECTION _____ 16 pt

METHANE CONCENTRATION 5 ppm

DATE: 7-30-01

FLOW START: 333 cc

FLOW STOP: 333 cc

TIME START: 1200

TIME STOP: 1225

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

TECHNICIAN: (Signature) R. ROBERTS

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

INTEGRATED SURFACE SAMPLING SHEET

GRID # #43

SAMPLE # —

CLASS # —

BAG # —

SAMPLER # 1

WIND SPEED _____ mph

WIND DIRECTION _____ 16 pt

METHANE CONCENTRATION 6 ppm

DATE: 7-30-01

FLOW START: 333 cc

FLOW STOP: 333 cc

TIME START: 1200

TIME STOP: 1225

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

TECHNICIAN: (Signature) M. GEORGET

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:

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