QUARTERLY AIR QUALITY MONITORING REPORT FOR THE HEWITT PIT LANDFILL

Second Quarter
April - June 2002

Submitted to

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
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PROJECT NUMBER 1003-1
July 2002

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SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT 1150.1 QUARTERLY MONITORING REPORT FOR THE HEWITT PIT LANDFILL SECOND QUARTER 2002

Prepared for:
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Project 1003-1

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AIR QUALITY MONITORING REPORT

for the

HEWITT PIT LANDFILL

Project Number 1003-1
April - June 2002

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 (ISM) AND INTEGRATED LANDFILL SURFACE SAMPLING (ISS) SAMPLING GRID LOCATION MAP
2 GAS MONITORING PROBE LOCATION MAP

Attachments

1 GAS MONITORING PROBE DATA
2 INTEGRATED LANDFILL SURFACE SAMPLING (ISS) RESULTS
3 INTEGRATED LANDFILL SURFACE SAMPLING (ISS) LABORATORY RESULTS
4 INSTANTANEOUS LANDFILL SURFACE MONITORING (ISM) LOGS
5 TOXIC AIR CONTAMINANTS (TAC) 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 during the quarter. The highest methane level recorded for the period was 0.1% at Probe 15A and Probe 22 both in April of 2002.

Approximately 20 specific points in Grid 23 of the landfill (**Figure 1**) exceeded 1000 parts per million volume (ppmv) during the Instantaneous Surface Monitoring (ISM) performed on June 18, 2002. Repairs to those areas were made the same day and were remeasured at less than 500 ppmv. All grids during the Integrated Surface Sampling (ISS) were measured below 50 ppmv during surface monitoring conducted on June 18, 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.
Integrated surface sampling to be less than 50 ppmv as TOCs.	Annually 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 2nd Quarterly Report	Results shown as **Attachment 4.**
TACs in probes.	Annually 2nd Quarterly Report	Results shown as **Attachment 5.**
TOCs and TACs in the main gas collection header.	Annually 3rd 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 2002, 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, gas component concentrations and Datafield location conversion table and for each probe are summarized in **Attachment 1**. Toxic Air Contaminants (TACs) were also analyzed for probe 11B. 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 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. The results are shown in **Attachment 2.**

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. 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 were kept for each sample. Total methane and non-methane organic compounds in the samples were less than 5 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 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 and is included with **Attachment 4.**

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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 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 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 perimeter gas monitoring probe locations 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 15A and probe 31 during April 2002 when the indicated methane concentration was 0.1 percent.

Complete results of the gas probe monitoring are included in **Attachment 1**. The TAC analysis at probe 11B is included as **Attachment 5**.

3.2 Integrated Surface Sampling Results

Integrated surface sampling was performed over the entire surface of the landfill on June 18, 2002. The results are summarized as follows:

DATE	GRIDS	TOC RANGE PPMV
June 18, 2002	1-21	5
June 18, 2002	22	10
June 18, 2002	23	15
June 18, 2002	24-52	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 22 and number 23 on June 18, 2002. 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 conducted on June 18, 2002. Instantaneous surface monitoring grids are shown on **Figure 1**.

There were approximately 20 locations that measured TOC concentration readings above 1000 ppmv during the June 18, 2002 monitoring. Those areas were repaired and retested the same day. There were no TOC concentration readings that exceeded the established regulatory standard of 500 ppmv after the retest during the June 18, 2002 monitoring event. ISM data for this event is shown in **Attachment 4.**

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 9 miles per hour and averaged less than 5 miles per hour.

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4.0 LIMITATIONS

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FIGURES

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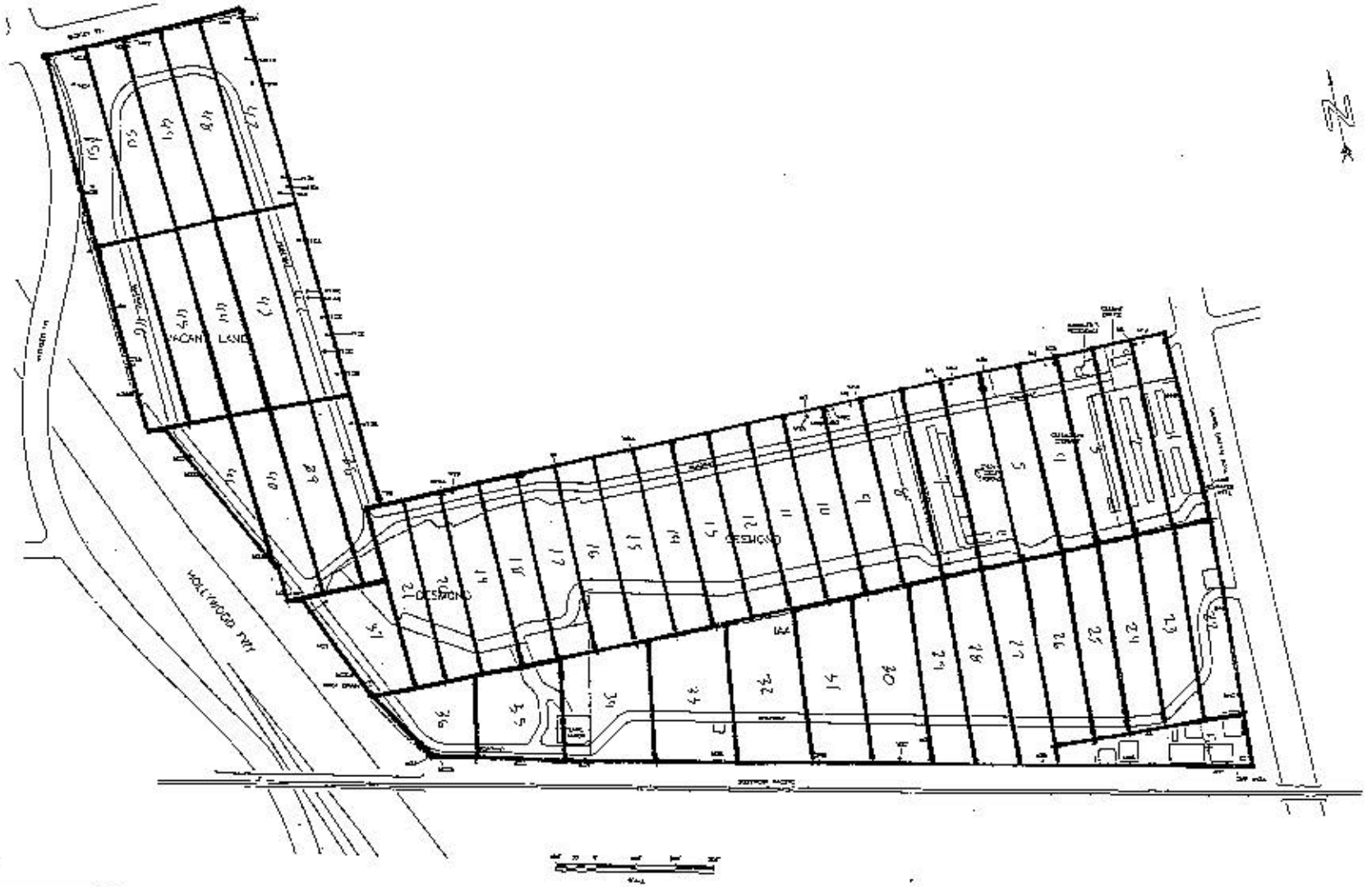


REV.	DATE	DESCRIPTION	BY

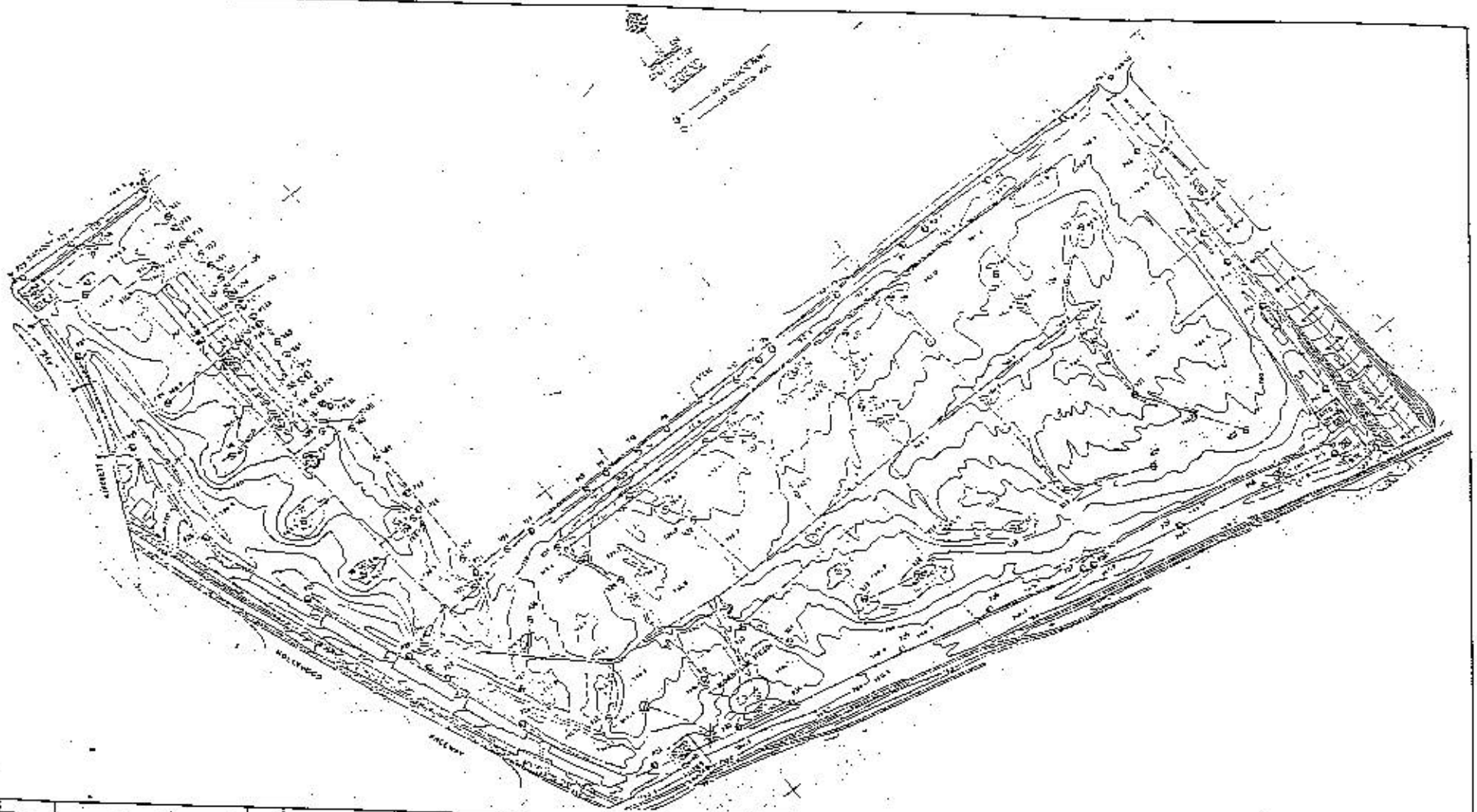
ENGINEER: GC ENVIRONMENTAL, INC.
1220 NORTH JEFFERSON ST. SUITE J
ANAHEIM CA. 92807 (714) 632-5665

PROJECT LOCATION: HEWITT PIT LANDFILL
N. HOLLYWOOD, CA

DESCRIPTION: ISM & ISS GRID LOCATIONS

PROJECT NO. 1002-1 | REF. DWG. | FILE NAME

SHEET: FIG 1



REV.	DATE	DESCRIPTION	BY

ENGINEER: GC ENVIRONMENTAL, INC.
1230 NORTH JEFFERSON ST. SUITE J
ANAHEIM CA. 92807, (714) 632-6669

PROJECT LOCATION: HEWITT PIT LANDFILL
N. HOLLYWOOD, CA

DESCRIPTION: GAS MONITORING PROBE LOCATIONS

PROJECT NO. 1693-1 | REF. DWGS. | FILE NAME

SHEET: FIG. 2

Attachment 1

GAS MONITORING

PROBE DATA

April 2, 2002 to June 27, 2002

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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

Table 1

JUL 1 7 2002

Hewitt Pit
Landfill Gas Probe Monitoring Data
April 2002

Probe ID	Date	Gas Composition				Pressure	
		CH4	O2	CO2	N2-Bal	Static	Atmospheric
HWPT0001	4/2/02	0	19.7	0	80.3	0	0
HWPT0001	4/9/02	0	18.5	1.7	79.8	0	0
HWPT0001	4/16/02	0	20.8	0	0	0	0
HWPT0001	4/23/02	0	20.3	0	79.7	0	0
HWPT0002	4/2/02	0	16.8	2.7	80.5	0	0
HWPT0002	4/9/02	0	20.3	0.6	79.1	0	0
HWPT0002	4/16/02	0	16.5	0	0	0.03	0
HWPT0002	4/23/02	0	17.8	2.2	80	0	0
HWPT0003	4/2/02	0	19.1	0.1	80.8	0	0
HWPT0003	4/9/02	0	20.4	0.1	79.5	-0.01	0
HWPT0003	4/16/02	0	20.7	0	0	0.02	0
HWPT0003	4/23/02	0	20	0.2	79.8	0.01	0
HWPT0004	4/2/02	0	19.4	0.1	80.5	0	0
HWPT0004	4/9/02	0	20.3	0.1	79.6	-0.01	0
HWPT0004	4/16/02	0	20.5	0	0	0.02	0
HWPT0004	4/23/02	0	20	0.2	79.8	0.02	0
HWPT0005	4/2/02	0	17	3.2	79.8	0	0
HWPT0005	4/9/02	0	18.9	1.1	80	-0.02	0
HWPT0005	4/16/02	0	20.7	0	0	0.03	0
HWPT0005	4/23/02	0	20.2	0	79.8	0.01	0
HWPT0006	4/2/02	0	19.1	0	80.9	0	0
HWPT0006	4/9/02	0	19.8	1	79.2	-0.01	0
HWPT0006	4/16/02	0	18.6	0	0	0.06	0
HWPT0006	4/23/02	0	19.6	0.7	79.7	0	0
HWPT0007	4/2/02	0	19.4	0.1	80.5	0	0
HWPT0007	4/9/02	0	20.3	0.3	79.4	0	0
HWPT0007	4/16/02	0	19.7	0	0	0.05	0
HWPT0007	4/23/02	0	20	0.2	79.8	0	0
HWPT0008	4/2/02	0	19.4	0	80.6	0	0
HWPT0008	4/9/02	0	20.6	0	79.4	0.06	0
HWPT0008	4/16/02	0	20.8	0	0	-0.02	0
HWPT0008	4/23/02	0	20.4	0	79.6	0.01	0
HWPT0009	4/2/02	0	19.6	0	80.4	0	0
HWPT0009	4/9/02	0	20.6	0	79.4	0	0
HWPT0009	4/16/02	0	20.7	0	0	-0.03	0
HWPT0009	4/23/02	0	20.3	0	79.7	0.01	0
HWPT0010	4/2/02	0	19.1	0.2	80.7	0	0

Probe ID	Date	Gas Composition				Pressure	
		CH4	O2	CO2	N2-Bal	Static	Atmospheric
HWPT0010	4/9/02	0	19.6	0.3	80.1	0.12	-0.1
HWPT0010	4/16/02	0	18.5	0	0	0.04	0
HWPT0010	4/23/02	0	19	1.1	79.9	0.02	0
HWPT0011	4/2/02	0	18.3	0.2	81.5	0	0
HWPT0011	4/9/02	0	15.8	0.8	83.4	0	0
HWPT0011	4/16/02	0	13.3	0	0	0	0
HWPT0011	4/23/02	0	18.6	0.4	81	0.01	0
HWPT0012	4/2/02	0	19.3	0	80.7	0	0
HWPT0012	4/9/02	0	20.3	0.2	79.5	0.14	-0.1
HWPT0012	4/16/02	0	19.8	0	0	0.03	0
HWPT0012	4/23/02	0	20.1	0	79.9	0.08	0
HWPT0013	4/2/02	0	19.6	0	80.4	0	0
HWPT0013	4/9/02	0	20.6	0	79.4	-0.01	0
HWPT0013	4/16/02	0	20.8	0	0	0	0
HWPT0013	4/23/02	0	20	0	80	0	0
HWPT0014	4/2/02	0	19.7	0	80.3	0	0
HWPT0014	4/9/02	0	20.6	0	79.4	0	0
HWPT0014	4/16/02	0	20.8	0	0	0.04	0
HWPT0014	4/23/02	0	20	0	80	0	0
HWPT0015	4/2/02	0	19.6	0	80.4	0	0
HWPT0015	4/9/02	0	20.4	0	79.6	0	0
HWPT0015	4/16/02	0	19.4	0	0	0.02	0
HWPT0015	4/23/02	0	19.3	0.7	80	0.03	0
HWPT0016	4/2/02	0	19.6	0	80.4	0	0
HWPT0016	4/9/02	0	20.5	0	79.5	0.1	0
HWPT0016	4/16/02	0	20.9	0	0	-0.02	0
HWPT0016	4/23/02	0	20	0	80	0.02	0
HWPT0017	4/2/02	0	19.4	0	80.6	0	0
HWPT0017	4/9/02	0	20.5	0	79.5	-0.02	0
HWPT0017	4/16/02	0	20.3	0	0	0.03	0
HWPT0017	4/23/02	0	19.9	0.1	80	0.04	0
HWPT0018	4/2/02	0	19.6	0	80.4	0	0
HWPT0018	4/9/02	0	20.5	0	79.5	-0.28	0.3
HWPT0018	4/16/02	0	20.8	0	0	0.02	0
HWPT0018	4/23/02	0	20	0	80	0.02	0
HWPT0019	4/2/02	0	19.6	0	80.4	0	0
HWPT0019	4/9/02	0	20.6	0	79.4	0	0
HWPT0019	4/16/02	0	20.9	0	0	0	0
HWPT0019	4/23/02	0	20	0	80	0.04	0
HWPT0020	4/2/02	0	19.6	0	80.4	0	0

Probe ID	Date	Gas Composition				Pressure	
		CH4	O2	CO2	N2-Bal	Static	Atmospheric
HWPT0020	4/9/02	0	20.6	0	79.4	0	0
HWPT0020	4/16/02	0	20.9	0	0	0	0
HWPT0020	4/23/02	0	20	0	80	0	0
HWPT0021	4/2/02	0	19.7	0	80.3	0	0
HWPT0021	4/9/02	0	20.6	0	79.4	0	0
HWPT0021	4/16/02	0	20.9	0	0	0	0
HWPT0021	4/23/02	0	20	0	80	0.01	0
HWPT0022	4/2/02	0	19.7	0	80.3	0	0
HWPT0022	4/9/02	0	20.6	0	79.4	0	0
HWPT0022	4/16/02	0	20.9	0	0	0	0
HWPT0022	4/23/02	0	20	0	80	0.02	0
HWPT0023	4/2/02	0	17.5	2	80.5	0	0
HWPT0023	4/9/02	0	19.3	0.4	80.3	0	0
HWPT0023	4/16/02	0	20	0	0	0.01	0
HWPT0023	4/23/02	0	17.9	1.8	80.3	0	0
HWPT0024	4/2/02	0	17.9	0.9	81.2	0	0
HWPT0024	4/9/02	0	19.8	0.3	79.9	0.03	0
HWPT0024	4/16/02	0	20.9	0	0	0.04	0
HWPT0024	4/23/02	0	19.7	0.2	80.1	0	0
HWPT0025	4/2/02	0	18.6	0.9	80.5	0	0
HWPT0025	4/9/02	0	20.2	0.2	79.6	0.02	0
HWPT0025	4/16/02	0	20.7	0	0	0.05	0
HWPT0025	4/23/02	0	18.6	1	80.4	0.01	0
HWPT0026	4/2/02	0	19.2	0.1	80.7	0	0
HWPT0026	4/9/02	0	20.5	0	79.5	0	0
HWPT0026	4/16/02	0	20.4	0	0	0	0
HWPT0026	4/23/02	0	19.9	0	80.1	0	0
HWPT0027	4/2/02	0	19.5	0	80.5	0	0
HWPT0027	4/9/02	0	20.6	0.1	79.3	-0.57	0.4
HWPT0027	4/16/02	0	20.9	0	0	1	0
HWPT0027	4/23/02	0	20	0	80	0.01	0
HWPT0028	4/2/02	0	19.2	0.2	80.6	0	0
HWPT0028	4/9/02	0	19.8	0.2	80	0	0
HWPT0028	4/16/02	0	20.5	0	0	0	0
HWPT0028	4/23/02	0	19.7	0.2	80.1	0	0
HWPT0029	4/2/02	0	18.6	0.8	80.6	0	0
HWPT0029	4/9/02	0	20	0.2	79.8	0	0
HWPT0029	4/16/02	0	18.7	0	0	0.02	0
HWPT0029	4/23/02	0	18.3	1.3	80.4	0	0
HWPT0030	4/2/02	0	19.6	0	80.4	0	0

Probe ID	Date	Gas Composition				Pressure	
		CH4	O2	CO2	N2-Bal	Static	Atmospheric
HWPT0030	4/9/02	0	20.5	0	79.5	0	0
HWPT0030	4/16/02	0	20.9	0	0	0.03	0
HWPT0030	4/23/02	0	20	0	80	0	0
HWPT0031	4/2/02	0	19.8	0	80.2	0	0
HWPT0031	4/9/02	0	20.6	0	79.4	-0.2	0.1
HWPT0031	4/16/02	0	20.9	0	0	1.8	0
HWPT0031	4/23/02	0.1	19.9	0	80	-12.97	12.8
HWPT0032	4/2/02	0	19.3	0.2	80.5	0	0
HWPT0032	4/9/02	0	20	0.1	79.9	0	0
HWPT0032	4/16/02	0	19.3	0	0	0.02	0
HWPT0032	4/23/02	0	19.9	0	80.1	0	0
HWPT0033	4/2/02	0	19.4	0	80.6	0	0
HWPT0033	4/9/02	0	20.6	0	79.4	0.05	0
HWPT0033	4/16/02	0	20.2	0	0	0	0
HWPT0033	4/23/02	0	20	0	80	0.02	0
HWPT0034	4/2/02	0	19.2	0.3	80.5	0	0
HWPT0034	4/9/02	0	20	0.1	79.9	0.02	0
HWPT0034	4/16/02	0	18.4	0	0	0.03	0
HWPT0034	4/23/02	0	19.1	0.7	80.2	0	0
HWPT0035	4/2/02	0	18.2	1.2	80.6	0	0
HWPT0035	4/9/02	0	20.6	0	79.4	0	0
HWPT0035	4/16/02	0	17.2	0	0	0.02	0
HWPT0035	4/23/02	0	18.2	1.5	80.3	0.02	0
HWPT0036	4/2/02	0	18.6	0.7	80.7	0	0
HWPT0036	4/9/02	0	16.9	2	81.1	0.02	0
HWPT0036	4/16/02	0	14.4	0	0	-0.03	0
HWPT0036	4/23/02	0	15.9	3.8	80.3	0.02	0
HWPT0037	4/2/02	0	17.9	1.2	80.9	0	0
HWPT0037	4/9/02	0	19.8	1.1	79.1	0.05	0
HWPT0037	4/16/02	0	18.6	0	0	0.04	0
HWPT0037	4/23/02	0	19.1	0.6	80.3	0.02	0
HWPT0038	4/2/02	0	18.7	0.3	81	0	0
HWPT0038	4/9/02	0	19.5	0.7	79.8	0.02	0
HWPT0038	4/16/02	0	18.3	0	0	0.04	0
HWPT0038	4/23/02	0	20	0	80	0.02	0
HWPT0039	4/2/02	0	19.5	0	80.5	0	0
HWPT0039	4/9/02	0	20.3	0.4	79.3	-0.01	0
HWPT0039	4/16/02	0	20.8	0	0	0.02	0
HWPT0039	4/23/02	0	19.9	0	80.1	0	0
HWPT0040	4/2/02	0	19.7	0	80.3	0	0

Probe ID	Date	Gas Composition				Pressure	
		CH4	O2	CO2	N2-Bal	Static	Atmospheric
HWPT0040	4/9/02	0	20.4	0.2	79.4	-0.08	0
HWPT0040	4/16/02	0	20.7	0	0	1.2	0
HWPT0040	4/23/02	0	19.7	0.3	80	-0.93	1
HWPT0041	4/2/02	0	19.8	0	80.2	0	0
HWPT0041	4/9/02	0	20.7	0	79.3	0.03	0
HWPT0041	4/16/02	0	19.2	0	0	0.02	0
HWPT0041	4/23/02	0	20	0	80	0	0
HWPT0042	4/2/02	0	19.8	0	80.2	0	0
HWPT0042	4/9/02	0	20.1	0	79.9	0.06	0
HWPT0042	4/16/02	0	17.7	0	0	0	0
HWPT0042	4/23/02	0	18.6	1	80.4	0.01	0
HWPT0043	4/2/02	0	18.2	1.2	80.6	0	0
HWPT0043	4/9/02	0	20	0.1	79.9	0.01	0
HWPT0043	4/16/02	0	18.7	0	0	0.03	0
HWPT0043	4/23/02	0	19.2	0.7	80.1	0	0.1
HWPT0044	4/2/02	0	18.5	0.9	80.6	0	0
HWPT0044	4/9/02	0	20.6	0	79.4	0.02	0
HWPT0044	4/16/02	0	18.6	0	0	0.04	0
HWPT0044	4/23/02	0	18.8	0.9	80.3	0	0.1
HWPT0045	4/2/02	0	18.8	0.9	80.3	0	0
HWPT0045	4/9/02	0	15.6	3.1	81.3	-0.27	0.2
HWPT0045	4/16/02	0	19.5	0	0	-0.02	0
HWPT0045	4/23/02	0	17.7	2.3	80	0	0
HWPT0046	4/2/02	0	18.8	0	81.2	0	0
HWPT0046	4/9/02	0	20.2	0.9	78.9	0.04	0
HWPT0046	4/16/02	0	20.8	0	0	0	0
HWPT0046	4/23/02	0	20.2	0	79.8	0.01	0
HWPT0047	4/2/02	0	19.5	0.1	80.4	0	0
HWPT0047	4/9/02	0	20.5	0.1	79.4	0	0
HWPT0047	4/16/02	0	20.8	0	0	0	0
HWPT0047	4/23/02	0	20.1	0	79.9	0	0
HWPT0048	4/2/02	0	19.2	0.3	80.5	0	0
HWPT0048	4/9/02	0	20	0.3	79.7	0	0
HWPT0048	4/16/02	0	18.6	0	0	0.02	0
HWPT0048	4/23/02	0	18.8	1.1	80.1	0	0
HWPT0049	4/2/02	0	19.1	0.2	80.7	0	0
HWPT0049	4/9/02	0	19.9	0.7	79.4	0.03	0
HWPT0049	4/16/02	0	19.5	0	0	0.03	0
HWPT0049	4/23/02	0	19.2	1	79.8	0	0
HWPT0050	4/2/02	0	19.4	0.2	80.4	0	0

Probe ID	Date	Gas Composition				Pressure	
		CH4	O2	CO2	N2-Bal	Static	Atmospheric
HWPT0050	4/9/02	0	19.4	0.9	79.7	0	0
HWPT0050	4/16/02	0	18.8	0	0	0.01	0
HWPT0050	4/23/02	0	18.7	1.4	79.9	0	0
HWPT0051	4/2/02	0.1	19.3	0.2	80.4	0	0
HWPT0051	4/9/02	0	19.8	0.8	79.4	0	0
HWPT0051	4/16/02	0	19.8	0	0	0.02	0
HWPT0051	4/23/02	0	19.3	0.7	80	0	0
HWPT0052	4/2/02	0	19.3	0.3	80.4	0	0
HWPT0052	4/9/02	0	20.3	0.4	79.3	0	0
HWPT0052	4/16/02	0	20.2	0	0	0.02	0
HWPT0052	4/23/02	0	19.9	0.4	79.7	0.11	0
HWPT0053	4/2/02	0	19.7	0	80.3	0	0
HWPT0053	4/9/02	0	20.5	0.3	79.2	-0.02	0
HWPT0053	4/16/02	0	20.7	0	0	0	0
HWPT0053	4/23/02	0	20.1	0.1	79.8	0	0
HWPT0054	4/2/02	0	19.8	0	80.2	0	0
HWPT0054	4/9/02	0	20.6	0	79.4	0	0
HWPT0054	4/16/02	0	20.8	0	0	0.02	0
HWPT0054	4/23/02	0	20.3	0	79.7	0.01	0
HWPT0055	4/2/02	0	19.3	0.5	80.2	0	0
HWPT0055	4/9/02	0	20.6	0	79.4	0	0
HWPT0055	4/16/02	0	20.2	0	0	0	0
HWPT0055	4/23/02	0	19.2	1	79.8	0	0
HWPT0056	4/2/02	0	19.8	0	80.2	0	0
HWPT0056	4/9/02	0	20.6	0	79.4	0	0
HWPT0056	4/16/02	0	20.8	0	0	0.02	0
HWPT0056	4/23/02	0	20.4	0	79.6	0	0
HWPT0057	4/2/02	0	19.5	0.2	80.3	0	0
HWPT0057	4/9/02	0	20.6	0	79.4	0.02	0
HWPT0057	4/16/02	0	20.9	0	0	0	0
HWPT0057	4/23/02	0	19.6	0.8	79.6	0	0
HWPT0058	4/2/02	0	19.5	0.1	80.4	0	0
HWPT0058	4/9/02	0	20.5	0	79.5	0.02	0
HWPT0058	4/16/02	0	20.6	0	0	0.02	0
HWPT0058	4/23/02	0	20	0.1	79.9	0	0
HWPT0059	4/2/02	0	19.5	0.1	80.4	0	0
HWPT0059	4/9/02	0	20.5	0	79.5	0	0
HWPT0059	4/16/02	0	20.9	0	0	0	0
HWPT0059	4/23/02	0	20	0	80	0	0
HWPT0060	4/2/02	0	19.3	0.5	80.2	0	0

Probe ID	Date	Gas Composition				Pressure	
		CH4	O2	CO2	N2-Bal	Static	Atmospheric
HWPT0060	4/9/02	0	20.1	0	79.9	0	0
HWPT0060	4/16/02	0	19.7	0	0	0.01	0
HWPT0060	4/23/02	0	19.3	0.8	79.9	0	0
HWPT0061	4/2/02	0	18.6	1	80.4	0	0
HWPT0061	4/9/02	0	19.7	0.2	80.1	0	0
HWPT0061	4/16/02	0	19.1	0	0	0	0
HWPT0061	4/23/02	0	19.1	0.9	80	0	0
HWPT0062	4/2/02	0	19.7	0	80.3	0	0
HWPT0062	4/9/02	0	20.3	0.1	79.6	0	0
HWPT0062	4/16/02	0	14.2	0	0	0	0
HWPT0062	4/23/02	0	15.4	4	80.6	0	0
HWPT0063	4/2/02	0	18	1.5	80.5	0	0
HWPT0063	4/9/02	0	19.9	0.2	79.9	0	0
HWPT0063	4/16/02	0	19	0	0	0.02	0
HWPT0063	4/23/02	0	19.2	0.7	80.1	0	0
HWPT0064	4/2/02	0	19.3	0.1	80.6	0	0
HWPT0064	4/9/02	0	20.3	0.1	79.6	0	0
HWPT0064	4/16/02	0	20.8	0	0	0	0
HWPT0064	4/23/02	0	18.8	1.7	79.5	0	0.76
HWPT0065	4/2/02	0	19.6	0	80.4	0	0
HWPT0065	4/9/02	0	20.3	0.2	79.5	-0.52	0.6
HWPT0065	4/16/02	0	19.8	0	0	0.08	0
HWPT0065	4/23/02	0	19.9	0	80.1	0	0.45
HWPT0066	4/2/02	0	19.6	0	80.4	0	0
HWPT0066	4/9/02	0	20.2	0	79.8	-0.02	0
HWPT0066	4/16/02	0	18.7	0	0	0.06	0
HWPT0066	4/23/02	0	19.7	0.2	80.1	0	0.4
HWPT0067	4/2/02	0	19.6	0	80.4	0	0
HWPT0067	4/9/02	0	20.2	0	79.8	-0.02	0
HWPT0067	4/16/02	0	20.9	0	0	0	0
HWPT0067	4/23/02	0	20	0	80	0	0
HWPT0068	4/2/02	0	19.6	0	80.4	0	0
HWPT0068	4/9/02	0	20.2	0	79.8	-0.03	0
HWPT0068	4/16/02	0	20.9	0	0	0	0
HWPT0068	4/23/02	0	20	0	80	0	0
HWPT0069	4/2/02	0	19.5	0	80.5	0	0
HWPT0069	4/9/02	0	19.8	1	79.2	0	0
HWPT0069	4/16/02	0	20.9	0	0	0	0
HWPT0069	4/23/02	0	20	0.2	79.8	0	0
HWPT0070	4/2/02	0	19.6	0	80.4	0	0

Probe ID	Date	Gas Composition				Pressure	
		CH4	O2	CO2	N2-Bal	Static	Atmospheric
HWPT0070	4/9/02	0	20	0.4	79.6	0	0
HWPT0070	4/16/02	0	20.2	0	0	0.02	0
HWPT0070	4/23/02	0	19.6	0.3	80.1	0.01	0
HWPT0071	4/2/02	0	19.6	0	80.4	0	0
HWPT0071	4/9/02	0	20.3	0.2	79.5	-0.01	0
HWPT0071	4/16/02	0	20.9	0	0	0	0
HWPT0071	4/23/02	0	19.9	0	80.1	0	0
HWPT0072	4/2/02	0	19.6	0	80.4	0	0
HWPT0072	4/9/02	0	20.4	0	79.6	0	0
HWPT0072	4/16/02	0	20.5	0	0	-0.02	0
HWPT0072	4/23/02	0	19.7	0	80.3	0.01	0
HWPT0073	4/2/02	0	19.6	0	80.4	0	0
HWPT0073	4/9/02	0	20.5	0	79.5	0	0
HWPT0073	4/16/02	0	20.9	0	0	0	0
HWPT0073	4/23/02	0	20	0	80	0.01	0
HWPT0074	4/2/02	0	19.6	0	80.4	0	0
HWPT0074	4/9/02	0	20.5	0	79.5	0	0
HWPT0074	4/16/02	0	20.9	0	0	0	0
HWPT0074	4/23/02	0	20	0	80	0	0.1
HWPT0075	4/2/02	0	19.6	0	80.4	0	0
HWPT0075	4/9/02	0	20.4	0	79.6	0	0
HWPT0075	4/16/02	0	20.5	0	0	0.86	0
HWPT0075	4/23/02	0	19.8	0	80.2	0	0
HWPT0076	4/2/02	0	19.6	0	80.4	0	0
HWPT0076	4/9/02	0	20.4	0	79.6	0	0
HWPT0076	4/16/02	0	20.7	0	0	0	0
HWPT0076	4/23/02	0	19.9	0	80.1	0	0
HWPT0077	4/2/02	0	19.6	0	80.4	0	0
HWPT0077	4/9/02	0	20.5	0	79.5	0	0
HWPT0077	4/16/02	0	20.8	0	0	0.02	0
HWPT0077	4/23/02	0	20	0	80	0	0
HWPT0078	4/2/02	0	19.6	0	80.4	0	0
HWPT0078	4/9/02	0	13.9	4.9	81.2	0	0
HWPT0078	4/16/02	0	10.6	0	0	0.03	0
HWPT0078	4/23/02	0	14.9	5.1	80	0	0
HWPT0079	4/2/02	0	19.6	0	80.4	0	0
HWPT0079	4/9/02	0	16.4	3.3	80.3	0.06	0
HWPT0079	4/16/02	0	11.6	0	0	0	0
HWPT0079	4/23/02	0	17.7	2	80.3	0	0
HWPT0080	4/2/02	0	19.6	0	80.4	0	0

Probe ID	Date	Gas Composition				Pressure	
		CH4	O2	CO2	N2-Bal	Static	Atmospheric
HWPT0080	4/9/02	0	19.9	1.4	78.7	0.08	0
HWPT0080	4/16/02	0	20.8	0	0	-0.02	0
HWPT0080	4/23/02	0	20.1	0	79.9	0	0
HWPT0081	4/2/02	0	19.6	0	80.4	0	0
HWPT0081	4/9/02	0	20.5	0.2	79.3	0	0
HWPT0081	4/16/02	0	20.7	0	0	0.01	0
HWPT0081	4/23/02	0	20.2	0	79.8	0	0

Hewitt

Probe Report for All Probes

5/01/2002 to 5/31/2002

Probe ID	Date	Gas Composition				Pressure		Comments
		CH4	O2	CO2	N2-Bal	Static	Atmospheric	
HWOFLARE	5/7/02	19.80	5.50	21.30	53.40	27.85	-28.00	
HWOFLARE	5/14/02	20.00	5.00	23.40	51.60	27.31	-27.80	
HWOFLARE	5/21/02	18.20	5.40	21.70	54.70	27.08	-27.50	
HWOFLARE	5/28/02	19.10	5.50	21.80	53.60	27.38	-28.00	
HWPT0001	5/2/02	0.00	19.00	0.00	81.00	0.00	0.00	
HWPT0001	5/7/02	0.00	19.20	0.00	80.80	0.00	0.00	
HWPT0001	5/14/02	0.00	20.50	0.00	79.50	0.00	0.00	
HWPT0001	5/21/02	0.00	20.60	0.00	79.40	0.00	0.00	
HWPT0001	5/28/02	0.00	20.40	0.00	79.60	0.00	0.00	
HWPT0002	5/2/02	0.00	16.60	2.10	81.30	-0.02	0.00	
HWPT0002	5/7/02	0.00	16.60	2.20	81.20	0.00	0.00	
HWPT0002	5/14/02	0.00	16.90	2.80	80.30	0.00	0.00	
HWPT0002	5/21/02	0.00	18.20	2.10	79.70	0.00	0.00	
HWPT0002	5/28/02	0.00	17.40	2.70	79.90	0.00	0.00	
HWPT0003	5/2/02	0.00	18.80	0.30	80.90	0.00	0.00	
HWPT0003	5/7/02	0.00	18.40	0.10	81.50	0.00	0.00	
HWPT0003	5/14/02	0.00	19.80	0.40	79.80	0.00	0.00	
HWPT0003	5/21/02	0.00	20.30	0.30	79.40	0.00	0.00	
HWPT0003	5/28/02	0.00	20.30	0.20	79.50	0.00	0.00	
HWPT0004	5/2/02	0.00	18.80	0.10	81.10	0.00	0.00	
HWPT0004	5/7/02	0.00	19.10	0.00	80.90	0.00	0.00	
HWPT0004	5/14/02	0.00	20.40	0.10	79.50	0.00	0.00	
HWPT0004	5/21/02	0.00	20.40	0.30	79.30	0.00	0.00	
HWPT0004	5/28/02	0.00	20.40	0.00	79.60	0.00	0.00	
HWPT0005	5/2/02	0.00	16.50	2.40	81.10	0.00	0.30	
HWPT0005	5/7/02	0.00	16.40	3.10	80.50	0.00	0.00	
HWPT0005	5/14/02	0.00	15.20	5.30	79.50	0.00	0.00	
HWPT0005	5/21/02	0.00	19.50	0.80	79.70	0.00	0.00	
HWPT0005	5/28/02	0.00	20.40	0.00	79.60	0.00	0.00	
HWPT0006	5/2/02	0.00	18.70	0.20	81.10	0.00	0.10	
HWPT0006	5/7/02	0.00	17.30	1.30	81.40	0.00	0.00	
HWPT0006	5/14/02	0.00	19.10	1.20	79.70	0.00	0.00	
HWPT0006	5/21/02	0.00	19.50	0.90	79.60	0.00	0.00	
HWPT0006	5/28/02	0.00	20.20	0.30	79.50	0.00	0.00	
HWPT0007	5/2/02	0.00	18.90	0.00	81.10	0.00	0.00	
HWPT0007	5/2/02	0.00	18.60	0.30	81.10	0.00	0.00	
HWPT0007	5/7/02	0.00	18.50	0.30	81.20	0.00	0.00	
HWPT0007	5/14/02	0.00	19.40	0.90	79.70	0.00	0.00	
HWPT0007	5/21/02	0.00	20.40	0.20	79.40	0.00	0.00	
HWPT0007	5/28/02	0.00	20.10	0.40	79.50	0.00	0.00	
HWPT0008	5/7/02	0.00	19.00	0.00	81.00	0.00	0.00	
HWPT0008	5/14/02	0.00	18.20	1.70	80.10	0.00	0.00	
HWPT0008	5/21/02	0.00	20.70	0.00	79.30	0.00	0.00	
HWPT0008	5/28/02	0.00	20.50	0.00	79.50	0.00	0.00	
HWPT0009	5/2/02	0.00	19.20	0.00	80.80	0.00	0.00	
HWPT0009	5/7/02	0.00	19.10	0.00	80.90	0.00	0.00	
HWPT0009	5/14/02	0.00	20.40	0.00	79.60	0.00	0.00	
HWPT0009	5/21/02	0.00	20.60	0.00	79.40	0.00	0.00	
HWPT0009	5/28/02	0.00	20.40	0.20	79.40	0.00	0.00	
HWPT0010	5/2/02	0.00	18.80	0.10	81.10	0.00	0.00	
HWPT0010	5/7/02	0.00	18.50	0.20	81.30	0.00	0.00	

Hewitt

Probe Report for All Probes

5/01/2002 to 5/31/2002

Probe ID	Date	Gas Composition				Pressure		Comments
		CH4	O2	CO2	N2-Bal	Static	Atmospheric	
HWPT0010	5/14/02	0.00	19.00	1.00	80.00	0.00	0.00	
HWPT0010	5/21/02	0.00	20.10	0.10	79.80	0.00	0.00	
HWPT0010	5/28/02	0.00	20.20	0.10	79.70	0.00	0.00	
HWPT0011	5/2/02	0.00	18.00	0.10	81.90	0.00	0.00	
HWPT0011	5/7/02	0.00	18.50	0.10	81.40	0.00	0.00	
HWPT0011	5/14/02	0.00	19.00	0.40	80.60	0.00	0.00	
HWPT0011	5/21/02	0.00	19.00	0.30	80.70	0.00	0.00	
HWPT0011	5/28/02	0.00	17.70	0.60	81.70	0.00	0.00	
HWPT0012	5/2/02	0.00	19.00	0.00	81.00	0.00	0.00	
HWPT0012	5/7/02	0.00	18.80	0.00	81.20	0.00	0.00	
HWPT0012	5/14/02	0.00	20.20	0.00	79.80	0.00	0.00	
HWPT0012	5/21/02	0.00	20.40	0.00	79.60	0.00	0.00	
HWPT0012	5/28/02	0.00	20.30	0.00	79.70	0.00	0.00	
HWPT0013	5/2/02	0.00	19.10	0.00	80.90	0.00	0.00	
HWPT0013	5/7/02	0.00	19.30	0.00	80.70	0.00	0.00	
HWPT0013	5/14/02	0.00	20.50	0.00	79.50	0.00	0.00	
HWPT0013	5/21/02	0.00	20.50	0.00	79.50	0.00	0.00	
HWPT0013	5/28/02	0.00	20.50	0.00	79.50	0.00	0.00	
HWPT0014	5/2/02	0.00	19.10	0.00	80.90	0.00	0.00	
HWPT0014	5/7/02	0.00	19.30	0.00	80.70	0.00	0.00	
HWPT0014	5/14/02	0.00	20.60	0.00	79.40	0.00	0.00	
HWPT0014	5/21/02	0.00	20.50	0.00	79.50	0.00	0.00	
HWPT0014	5/28/02	0.00	20.60	0.00	79.40	0.00	0.00	
HWPT0015	5/2/02	0.00	18.70	0.20	81.10	0.00	-0.60	
HWPT0015	5/7/02	0.00	18.90	0.20	80.90	0.00	0.00	
HWPT0015	5/14/02	0.00	20.60	0.00	79.40	0.00	0.00	
HWPT0015	5/21/02	0.00	20.50	0.00	79.50	0.00	0.00	
HWPT0015	5/28/02	0.00	20.50	0.00	79.50	0.00	0.00	
HWPT0016	5/2/02	0.00	19.10	0.00	80.90	0.00	0.00	
HWPT0016	5/7/02	0.00	18.90	0.10	81.00	0.00	0.00	
HWPT0016	5/14/02	0.00	19.00	0.80	80.20	0.00	0.00	
HWPT0016	5/21/02	0.00	20.40	0.10	79.50	0.00	0.00	
HWPT0016	5/28/02	0.00	20.40	0.10	79.50	0.00	0.00	
HWPT0017	5/2/02	0.00	18.50	0.10	81.40	0.00	0.00	
HWPT0017	5/7/02	0.00	19.30	0.00	80.70	0.00	0.00	
HWPT0017	5/14/02	0.00	20.50	0.00	79.50	0.00	0.00	
HWPT0017	5/21/02	0.00	20.40	0.00	79.60	0.00	0.00	
HWPT0017	5/28/02	0.00	20.50	0.00	79.50	0.00	0.00	
HWPT0018	5/2/02	0.00	19.20	0.00	80.80	0.00	0.00	
HWPT0018	5/7/02	0.00	19.30	0.00	80.70	0.00	0.00	
HWPT0018	5/14/02	0.00	20.40	0.00	79.60	0.00	0.00	
HWPT0018	5/21/02	0.00	20.50	0.00	79.50	0.00	0.00	
HWPT0018	5/28/02	0.00	20.40	0.00	79.60	0.00	0.00	
HWPT0019	5/2/02	0.00	18.90	0.00	81.10	0.00	0.00	
HWPT0019	5/7/02	0.00	19.30	0.00	80.70	0.00	0.00	
HWPT0019	5/14/02	0.00	20.50	0.00	79.50	0.00	0.00	
HWPT0019	5/21/02	0.00	20.40	0.00	79.60	0.00	0.00	
HWPT0019	5/28/02	0.00	20.50	0.00	79.50	0.00	0.00	
HWPT0020	5/2/02	0.00	19.30	0.00	80.70	-0.01	0.00	
HWPT0020	5/7/02	0.00	19.20	0.00	80.80	0.00	0.00	
HWPT0020	5/14/02	0.00	20.70	0.00	79.30	0.00	0.00	

Hewitt

Probe Report for All Probes

5/01/2002 to 5/31/2002

Probe ID	Date	Gas Composition				Pressure		Comments
		CH4	O2	CO2	N2-Bal	Static	Atmospheric	
HWPT0020	5/21/02	0.00	20.50	0.00	79.50	0.00	0.00	
HWPT0020	5/28/02	0.00	20.60	0.00	79.40	0.00	0.00	
HWPT0021	5/2/02	0.00	19.00	0.00	81.00	0.00	-0.20	
HWPT0021	5/7/02	0.00	19.30	0.00	80.70	0.00	0.00	
HWPT0021	5/14/02	0.00	20.60	0.00	79.40	0.00	0.00	
HWPT0021	5/21/02	0.00	20.70	0.00	79.30	0.00	0.00	
HWPT0021	5/28/02	0.00	20.80	0.00	79.20	0.00	0.00	
HWPT0022	5/2/02	0.00	19.00	0.00	81.00	0.00	0.00	
HWPT0022	5/7/02	0.00	19.30	0.00	80.70	0.00	0.00	
HWPT0022	5/14/02	0.00	16.00	2.60	81.40	0.00	0.00	
HWPT0022	5/21/02	0.00	20.70	0.00	79.30	0.00	0.00	
HWPT0022	5/28/02	0.00	20.70	0.00	79.30	0.00	0.00	
HWPT0023	5/2/02	0.00	17.80	0.80	81.40	0.00	0.00	
HWPT0023	5/7/02	0.00	18.40	0.70	80.90	0.00	0.00	
HWPT0023	5/14/02	0.00	18.10	2.00	79.90	0.00	0.00	
HWPT0023	5/21/02	0.00	20.00	0.50	79.50	0.00	0.00	
HWPT0023	5/28/02	0.00	19.90	0.70	79.40	0.00	0.00	
HWPT0024	5/2/02	0.00	18.60	0.30	81.10	0.00	0.00	
HWPT0024	5/7/02	0.00	18.70	0.20	81.10	0.00	0.00	
HWPT0024	5/14/02	0.00	19.40	0.80	79.80	0.00	0.00	
HWPT0024	5/21/02	0.00	20.10	0.50	79.40	0.00	0.00	
HWPT0024	5/28/02	0.00	20.50	0.00	79.50	0.00	0.00	
HWPT0025	5/2/02	0.00	17.60	1.20	81.20	0.00	0.00	
HWPT0025	5/7/02	0.00	18.10	1.00	80.90	0.00	0.00	
HWPT0025	5/14/02	0.00	18.90	1.30	79.80	0.00	0.00	
HWPT0025	5/21/02	0.00	18.10	1.90	80.00	0.00	0.00	
HWPT0025	5/28/02	0.00	19.20	1.10	79.70	0.00	0.00	
HWPT0026	5/2/02	0.00	18.60	0.30	81.10	0.00	0.00	
HWPT0026	5/7/02	0.00	18.70	0.10	81.20	0.00	0.00	
HWPT0026	5/14/02	0.00	19.90	0.40	79.70	0.00	0.00	
HWPT0026	5/21/02	0.00	20.40	0.00	79.60	0.00	0.00	
HWPT0026	5/28/02	0.00	20.30	0.20	79.50	0.00	0.00	
HWPT0027	5/2/02	0.00	18.70	0.00	81.30	0.00	0.00	
HWPT0027	5/7/02	0.00	19.30	0.00	80.70	0.00	0.00	
HWPT0027	5/14/02	0.00	20.50	0.00	79.50	0.00	0.00	
HWPT0027	5/21/02	0.00	20.50	0.00	79.50	0.00	0.00	
HWPT0027	5/28/02	0.00	20.60	0.00	79.40	0.00	0.00	
HWPT0028	5/2/02	0.00	19.00	0.00	81.00	0.00	0.00	
HWPT0028	5/7/02	0.00	18.60	0.30	81.10	0.00	0.00	
HWPT0028	5/14/02	0.00	20.10	0.60	79.30	0.00	0.00	
HWPT0028	5/21/02	0.00	20.60	0.00	79.40	0.00	0.00	
HWPT0028	5/28/02	0.00	20.50	0.20	79.30	0.00	0.00	
HWPT0029	5/2/02	0.00	19.20	0.00	80.80	0.00	0.00	
HWPT0029	5/7/02	0.00	18.60	0.50	80.90	0.00	0.00	
HWPT0029	5/14/02	0.00	19.10	1.00	79.90	0.00	0.00	
HWPT0029	5/21/02	0.00	20.60	0.00	79.40	0.00	0.00	
HWPT0029	5/28/02	0.00	20.00	0.40	79.60	0.00	0.00	
HWPT0030	5/2/02	0.00	18.30	0.70	81.00	0.00	0.00	
HWPT0030	5/7/02	0.00	19.30	0.00	80.70	0.00	0.00	
HWPT0030	5/14/02	0.00	19.30	1.10	79.60	0.00	0.00	
HWPT0030	5/21/02	0.00	20.70	0.00	79.30	0.00	0.00	

Hewitt

Probe Report for All Probes

5/01/2002 to 5/31/2002

Probe ID	Date	Gas Composition				Pressure		Comments
		CH4	O2	CO2	N2-Bal	Static	Atmospheric	
HWPT0030	5/28/02	0.00	20.60	0.00	79.40	0.00	0.00	
HWPT0031	5/2/02	0.00	19.00	0.00	81.00	0.00	0.00	
HWPT0031	5/7/02	0.00	19.30	0.00	80.70	0.00	0.00	
HWPT0031	5/14/02	0.00	20.50	0.20	79.30	0.00	0.00	
HWPT0031	5/21/02	0.00	20.70	0.00	79.30	0.00	0.00	
HWPT0031	5/28/02	0.00	20.70	0.00	79.30	0.00	0.00	
HWPT0032	5/2/02	0.00	18.50	0.30	81.10	0.00	0.00	
HWPT0032	5/7/02	0.00	19.30	0.00	80.70	0.00	0.00	
HWPT0032	5/14/02	0.00	19.90	0.30	79.80	0.00	0.00	
HWPT0032	5/21/02	0.00	20.70	0.00	79.30	0.00	0.00	
HWPT0032	5/28/02	0.00	20.50	0.10	79.40	0.00	0.00	
HWPT0033	5/2/02	0.00	18.70	0.20	81.10	0.00	0.00	
HWPT0033	5/7/02	0.00	19.30	0.00	80.70	0.00	0.00	
HWPT0033	5/14/02	0.00	15.50	4.10	80.40	0.00	0.00	
HWPT0033	5/21/02	0.00	20.60	0.00	79.40	0.00	0.00	
HWPT0033	5/28/02	0.00	20.40	0.10	79.50	0.00	0.00	
HWPT0034	5/2/02	0.00	18.20	0.90	80.90	0.00	0.00	
HWPT0034	5/7/02	0.00	18.60	0.70	80.70	0.00	0.00	
HWPT0034	5/14/02	0.00	19.00	1.30	79.70	0.00	0.00	
HWPT0034	5/21/02	0.00	20.40	0.10	79.50	0.00	0.00	
HWPT0034	5/28/02	0.00	20.20	0.50	79.30	0.00	0.00	
HWPT0035	5/2/02	0.00	17.40	1.40	81.20	0.00	0.00	
HWPT0035	5/7/02	0.00	18.70	0.20	81.10	0.00	0.00	
HWPT0035	5/14/02	0.00	18.50	1.70	79.80	0.00	0.00	
HWPT0035	5/21/02	0.00	18.90	0.90	80.20	0.00	0.00	
HWPT0035	5/28/02	0.00	19.10	1.30	79.60	0.00	0.00	
HWPT0036	5/2/02	0.00	18.70	0.10	81.20	0.00	0.00	
HWPT0036	5/7/02	0.00	19.20	0.00	80.80	0.00	0.00	
HWPT0036	5/14/02	0.00	20.10	0.40	79.50	0.00	0.00	
HWPT0036	5/21/02	0.00	20.50	0.00	79.50	0.00	0.00	
HWPT0036	5/28/02	0.00	20.70	0.00	79.30	0.00	0.00	
HWPT0037	5/2/02	0.00	18.30	0.60	81.10	0.00	0.00	
HWPT0037	5/7/02	0.00	18.60	0.30	81.10	0.00	0.00	
HWPT0037	5/14/02	0.00	19.20	1.00	79.80	0.00	0.00	
HWPT0037	5/21/02	0.00	19.10	0.90	80.00	0.00	0.00	
HWPT0037	5/28/02	0.00	19.00	1.30	79.70	0.00	0.00	
HWPT0038	5/2/02	0.00	18.60	0.20	81.20	0.00	0.00	
HWPT0038	5/7/02	0.00	19.30	0.00	80.70	0.00	0.00	
HWPT0038	5/14/02	0.00	19.00	1.00	80.00	0.00	0.00	
HWPT0038	5/21/02	0.00	20.60	0.00	79.40	0.00	0.00	
HWPT0038	5/28/02	0.00	20.00	0.30	79.70	0.00	0.00	
HWPT0039	5/2/02	0.00	18.30	0.40	81.30	0.00	0.00	
HWPT0039	5/7/02	0.00	19.10	0.10	80.80	0.00	0.00	
HWPT0039	5/14/02	0.00	19.70	0.50	79.80	0.00	0.00	
HWPT0039	5/21/02	0.00	20.60	0.00	79.40	0.00	0.00	
HWPT0039	5/28/02	0.00	20.50	0.10	79.40	0.00	0.00	
HWPT0040	5/2/02	0.00	19.10	0.00	80.90	0.00	0.00	
HWPT0040	5/7/02	0.00	19.00	0.10	80.90	0.00	0.00	
HWPT0040	5/14/02	0.00	20.20	0.30	79.50	0.00	0.00	
HWPT0040	5/21/02	0.00	20.70	0.00	79.30	0.00	0.00	
HWPT0040	5/28/02	0.00	20.70	0.00	79.30	0.00	0.00	

Hewitt

Probe Report for All Probes

5/01/2002 to 5/31/2002

Probe ID	Date	Gas Composition				Pressure		Comments
		CH4	O2	CO2	N2-Bal	Static	Atmospheric	
HWPT0041	5/2/02	0.00	18.90	0.00	81.10	0.00	0.00	
HWPT0041	5/7/02	0.00	18.60	0.60	80.80	0.00	0.00	
HWPT0041	5/14/02	0.00	17.40	2.40	80.20	0.00	0.00	
HWPT0041	5/21/02	0.00	19.60	0.80	79.60	0.00	0.00	
HWPT0041	5/28/02	0.00	20.00	0.50	79.50	0.00	0.00	
HWPT0042	5/2/02	0.00	17.90	1.00	81.10	0.00	0.00	
HWPT0042	5/7/02	0.00	19.20	0.00	80.80	0.00	0.00	
HWPT0042	5/14/02	0.00	18.90	1.60	79.50	0.00	0.00	
HWPT0042	5/21/02	0.00	19.10	1.10	79.80	0.00	0.00	
HWPT0042	5/28/02	0.00	19.10	1.20	79.70	0.00	0.00	
HWPT0043	5/2/02	0.00	17.50	1.20	81.30	0.00	0.00	
HWPT0043	5/7/02	0.00	17.90	1.10	81.00	0.00	0.00	
HWPT0043	5/14/02	0.00	18.30	1.60	80.10	0.00	0.00	
HWPT0043	5/21/02	0.00	19.80	0.70	79.50	0.00	0.00	
HWPT0043	5/28/02	0.00	19.20	1.00	79.80	0.00	0.00	
HWPT0044	5/2/02	0.00	17.70	1.10	81.20	0.00	0.00	
HWPT0044	5/7/02	0.00	17.80	1.00	81.20	0.00	0.00	
HWPT0044	5/14/02	0.00	18.10	1.80	80.10	0.00	0.00	
HWPT0044	5/21/02	0.00	20.40	0.20	79.40	0.00	0.00	
HWPT0044	5/28/02	0.00	19.00	1.40	79.60	0.00	0.00	
HWPT0045	5/2/02	0.00	13.90	5.10	81.00	0.00	0.00	
HWPT0045	5/7/02	0.00	18.20	1.00	80.80	0.00	0.00	
HWPT0045	5/14/02	0.00	19.60	0.40	80.00	0.00	0.00	
HWPT0045	5/21/02	0.00	20.30	0.20	79.50	0.00	0.00	
HWPT0045	5/28/02	0.00	12.60	6.90	80.50	0.00	0.00	
HWPT0046	5/2/02	0.00	18.60	0.00	81.40	0.00	0.00	
HWPT0046	5/7/02	0.00	18.70	0.00	81.30	0.00	0.00	
HWPT0046	5/14/02	0.00	17.70	1.90	80.40	0.00	0.00	
HWPT0046	5/21/02	0.00	20.40	0.20	79.40	0.00	0.00	
HWPT0046	5/28/02	0.00	20.50	0.00	79.50	0.00	0.00	
HWPT0047	5/2/02	0.00	18.60	0.30	81.10	0.00	0.00	
HWPT0047	5/7/02	0.00	19.30	0.00	80.70	0.00	0.00	
HWPT0047	5/14/02	0.00	17.90	1.80	80.30	0.00	0.00	
HWPT0047	5/21/02	0.00	20.60	0.00	79.40	0.00	0.00	
HWPT0047	5/28/02	0.00	20.20	0.20	79.60	0.00	0.00	
HWPT0048	5/2/02	0.00	17.60	1.20	81.20	0.00	0.00	
HWPT0048	5/7/02	0.00	19.00	0.20	80.80	0.00	0.00	
HWPT0048	5/14/02	0.00	18.00	1.90	80.10	0.00	0.00	
HWPT0048	5/21/02	0.00	20.30	0.30	79.40	0.00	0.00	
HWPT0048	5/28/02	0.00	19.10	1.10	79.80	0.00	0.00	
HWPT0049	5/2/02	0.00	18.60	0.40	81.00	0.00	0.00	
HWPT0049	5/7/02	0.00	18.40	0.70	80.90	0.00	0.00	
HWPT0049	5/14/02	0.00	19.30	1.40	79.30	0.00	0.00	
HWPT0049	5/21/02	0.00	19.80	0.70	79.50	0.00	0.00	
HWPT0049	5/28/02	0.00	19.60	1.10	79.30	0.00	0.00	
HWPT0050	5/2/02	0.00	19.10	0.00	80.90	0.00	0.00	
HWPT0050	5/7/02	0.00	19.20	0.00	80.80	0.00	0.00	
HWPT0050	5/14/02	0.00	20.40	0.20	79.40	0.00	0.00	
HWPT0050	5/21/02	0.00	20.70	0.00	79.30	0.00	0.00	
HWPT0050	5/28/02	0.00	20.30	0.30	79.40	0.00	0.00	
HWPT0051	5/2/02	0.00	18.70	0.40	80.90	0.00	0.00	

Hewitt

Probe Report for All Probes

5/01/2002 to 5/31/2002

Probe ID	Date	Gas Composition				Pressure		Comments
		CH4	O2	CO2	N2-Bal	Static	Atmospheric	
HWPT0051	5/7/02	0.00	18.60	0.70	80.70	0.00	0.00	
HWPT0051	5/14/02	0.00	19.60	0.60	79.80	0.00	0.00	
HWPT0051	5/21/02	0.00	20.00	0.40	79.60	0.00	0.00	
HWPT0051	5/28/02	0.00	19.70	0.90	79.40	0.00	0.00	
HWPT0052	5/2/02	0.00	18.70	0.40	80.90	0.00	-0.10	
HWPT0052	5/7/02	0.00	18.90	0.20	80.90	0.00	0.00	
HWPT0052	5/14/02	0.00	20.20	0.30	79.50	0.00	0.00	
HWPT0052	5/21/02	0.00	20.10	0.40	79.50	0.00	0.00	
HWPT0052	5/28/02	0.00	20.40	0.20	79.40	0.00	0.00	
HWPT0053	5/2/02	0.00	18.90	0.10	81.00	0.00	0.00	
HWPT0053	5/7/02	0.00	19.20	0.00	80.80	0.00	0.00	
HWPT0053	5/14/02	0.00	20.50	0.00	79.50	0.00	0.00	
HWPT0053	5/21/02	0.00	20.30	0.20	79.50	0.00	0.00	
HWPT0053	5/28/02	0.00	20.60	0.00	79.40	0.00	0.00	
HWPT0054	5/2/02	0.00	19.20	0.00	80.80	0.00	0.00	
HWPT0054	5/7/02	0.00	19.30	0.00	80.70	0.00	0.00	
HWPT0054	5/14/02	0.00	18.30	1.80	79.90	0.00	0.00	
HWPT0054	5/21/02	0.00	20.60	0.00	79.40	0.00	0.00	
HWPT0054	5/28/02	0.00	18.20	1.90	79.90	0.00	0.00	
HWPT0055	5/2/02	0.00	18.10	0.70	81.20	0.00	0.00	
HWPT0055	5/7/02	0.00	19.30	0.00	80.70	0.00	0.00	
HWPT0055	5/14/02	0.00	18.30	1.50	80.20	0.00	0.00	
HWPT0055	5/21/02	0.00	20.50	0.00	79.50	0.00	0.00	
HWPT0055	5/28/02	0.00	19.90	0.60	79.50	0.00	0.00	
HWPT0056	5/2/02	0.00	19.30	0.00	80.70	0.00	0.00	
HWPT0056	5/7/02	0.00	19.30	0.00	80.70	0.00	0.00	
HWPT0056	5/14/02	0.00	20.50	0.00	79.50	0.00	0.00	
HWPT0056	5/21/02	0.00	20.70	0.00	79.30	0.00	0.00	
HWPT0056	5/28/02	0.00	20.60	0.00	79.40	0.00	0.00	
HWPT0057	5/2/02	0.00	18.00	1.00	81.00	0.00	0.00	
HWPT0057	5/7/02	0.00	19.30	0.00	80.70	0.00	0.00	
HWPT0057	5/14/02	0.00	19.90	0.60	79.50	0.00	0.00	
HWPT0057	5/21/02	0.00	20.40	0.10	79.50	0.00	0.00	
HWPT0057	5/28/02	0.00	20.20	0.40	79.40	0.00	0.00	
HWPT0058	5/2/02	0.00	19.10	0.10	80.80	0.00	0.00	
HWPT0058	5/7/02	0.00	19.30	0.00	80.70	0.00	0.00	
HWPT0058	5/14/02	0.00	19.80	0.80	79.40	0.00	0.00	
HWPT0058	5/21/02	0.00	20.40	0.00	79.60	0.00	0.00	
HWPT0058	5/28/02	0.00	20.40	0.30	79.30	0.00	0.00	
HWPT0059	5/2/02	0.00	18.60	0.20	81.20	0.00	-0.10	
HWPT0059	5/7/02	0.00	19.20	0.00	80.80	0.00	0.00	
HWPT0059	5/14/02	0.00	19.70	0.70	79.60	0.00	0.00	
HWPT0059	5/21/02	0.00	20.40	0.00	79.60	0.00	0.00	
HWPT0059	5/28/02	0.00	20.50	0.00	79.50	0.00	0.00	
HWPT0060	5/2/02	0.00	18.60	0.60	80.80	0.00	0.00	
HWPT0060	5/7/02	0.00	18.90	0.30	80.80	0.00	0.00	
HWPT0060	5/14/02	0.00	19.90	0.50	79.60	0.00	0.00	
HWPT0060	5/21/02	0.00	19.60	0.80	79.60	0.00	0.00	
HWPT0060	5/28/02	0.00	19.90	0.70	79.40	0.00	0.00	
HWPT0061	5/2/02	0.00	17.60	1.00	81.40	0.00	0.00	
HWPT0061	5/7/02	0.00	18.50	0.70	80.80	0.00	0.00	

Hewitt

Probe Report for All Probes

5/01/2002 to 5/31/2002

Probe ID	Date	Gas Composition				Pressure		Comments
		CH4	O2	CO2	N2-Bal	Static	Atmospheric	
HWPT0061	5/14/02	0.00	19.70	0.60	79.70	0.00	0.00	
HWPT0061	5/21/02	0.00	19.90	0.50	79.60	0.00	0.00	
HWPT0061	5/28/02	0.00	19.50	0.90	79.60	0.00	0.00	
HWPT0062	5/2/02	0.00	15.20	3.60	81.20	0.00	0.00	
HWPT0062	5/7/02	0.00	17.10	1.80	81.10	0.00	0.00	
HWPT0062	5/14/02	0.00	17.80	1.40	80.80	0.00	0.00	
HWPT0062	5/21/02	0.00	20.40	0.00	79.60	0.00	0.00	
HWPT0062	5/28/02	0.00	17.70	2.10	80.20	0.00	0.00	
HWPT0063	5/2/02	0.00	17.30	1.20	81.50	0.00	0.00	
HWPT0063	5/7/02	0.00	17.90	1.00	81.10	0.00	0.00	
HWPT0063	5/14/02	0.00	18.50	1.40	80.10	0.00	0.00	
HWPT0063	5/21/02	0.00	20.10	0.30	79.60	0.00	0.00	
HWPT0063	5/28/02	0.00	19.90	0.50	79.60	0.00	0.00	
HWPT0064	5/2/02	0.00	18.90	0.00	81.10	0.00	0.00	
HWPT0064	5/7/02	0.00	19.30	0.00	80.70	0.00	0.00	
HWPT0064	5/14/02	0.00	19.90	0.50	79.60	0.00	0.00	
HWPT0064	5/21/02	0.00	20.40	0.20	79.40	0.00	0.00	
HWPT0064	5/28/02	0.00	20.20	0.40	79.40	0.00	0.00	
HWPT0065	5/2/02	0.00	18.10	0.10	81.80	0.00	-2.80	
HWPT0065	5/7/02	0.00	19.10	0.00	80.90	0.00	0.00	
HWPT0065	5/14/02	0.00	20.00	0.00	80.00	0.00	0.00	
HWPT0065	5/21/02	0.00	20.40	0.00	79.60	0.00	0.00	
HWPT0065	5/28/02	0.00	20.40	0.00	79.60	0.00	0.00	
HWPT0066	5/2/02	0.00	19.00	0.10	80.90	-0.01	0.00	
HWPT0066	5/7/02	0.00	19.20	0.00	80.80	0.00	0.00	
HWPT0066	5/14/02	0.00	20.00	0.00	80.00	0.00	0.00	
HWPT0066	5/21/02	0.00	20.00	0.00	80.00	0.00	0.00	
HWPT0066	5/28/02	0.00	20.30	0.00	79.70	0.00	0.00	
HWPT0067	5/2/02	0.00	19.00	0.00	81.00	-0.03	0.00	
HWPT0067	5/2/02	0.00	18.60	0.00	81.40	0.00	0.00	
HWPT0067	5/7/02	0.00	19.20	0.00	80.80	0.00	0.00	
HWPT0067	5/14/02	0.00	19.90	0.10	80.00	0.00	0.00	
HWPT0067	5/21/02	0.00	20.00	0.00	80.00	0.00	0.00	
HWPT0067	5/28/02	0.00	20.50	0.00	79.50	0.00	0.00	
HWPT0068	5/2/02	0.00	19.00	0.00	81.00	0.00	0.00	
HWPT0068	5/2/02	0.00	18.60	1.20	80.20	0.00	0.00	
HWPT0068	5/7/02	0.00	19.20	0.00	80.80	0.00	0.00	
HWPT0068	5/14/02	0.00	19.80	0.10	80.10	0.00	0.00	
HWPT0068	5/21/02	0.00	19.90	0.00	80.10	0.00	0.00	
HWPT0068	5/28/02	0.00	20.40	0.00	79.60	0.00	0.00	
HWPT0069	5/2/02	0.00	18.70	0.10	81.20	0.00	0.00	
HWPT0069	5/7/02	0.00	18.50	0.10	81.40	0.00	0.00	
HWPT0069	5/14/02	0.00	20.20	0.10	79.70	0.00	0.00	
HWPT0069	5/21/02	0.00	20.40	0.00	79.60	0.00	0.00	
HWPT0069	5/28/02	0.00	20.50	0.00	79.50	0.00	0.00	
HWPT0070	5/2/02	0.00	18.40	0.30	81.30	0.00	0.00	
HWPT0070	5/7/02	0.00	18.40	0.10	81.50	0.00	0.00	
HWPT0070	5/14/02	0.00	20.10	0.10	79.80	0.00	0.00	
HWPT0070	5/21/02	0.00	20.30	0.10	79.60	0.00	0.00	
HWPT0070	5/28/02	0.00	20.60	0.00	79.40	0.00	0.00	
HWPT0071	5/2/02	0.00	18.80	0.00	81.20	0.00	0.00	

Hewitt

Probe Report for All Probes

5/01/2002 to 5/31/2002

Probe ID	Date	Gas Composition				Pressure		Comments
		CH4	O2	CO2	N2-Bal	Static	Atmospheric	
HWPT0071	5/7/02	0.00	18.40	0.10	81.50	0.00	0.00	
HWPT0071	5/14/02	0.00	20.00	0.20	79.80	0.00	0.00	
HWPT0071	5/21/02	0.00	20.30	0.10	79.60	0.00	0.00	
HWPT0071	5/28/02	0.00	20.50	0.00	79.50	0.00	0.00	
HWPT0072	5/2/02	0.00	18.70	0.00	81.30	0.00	0.00	
HWPT0072	5/7/02	0.00	18.40	0.10	81.50	0.00	0.00	
HWPT0072	5/14/02	0.00	20.00	0.20	79.80	0.00	0.00	
HWPT0072	5/21/02	0.00	20.20	0.10	79.70	0.00	0.00	
HWPT0072	5/28/02	0.00	20.50	0.00	79.50	0.00	0.00	
HWPT0073	5/2/02	0.00	18.50	0.00	81.50	0.00	0.00	
HWPT0073	5/7/02	0.00	18.40	0.10	81.50	0.00	0.00	
HWPT0073	5/14/02	0.00	20.00	0.20	79.80	0.00	0.00	
HWPT0073	5/21/02	0.00	20.20	0.10	79.70	0.00	0.00	
HWPT0073	5/28/02	0.00	20.50	0.00	79.50	0.00	0.00	
HWPT0074	5/2/02	0.00	18.80	0.00	81.20	0.00	0.00	
HWPT0074	5/7/02	0.00	18.40	0.10	81.50	0.00	0.00	
HWPT0074	5/14/02	0.00	20.00	0.20	79.80	0.00	0.00	
HWPT0074	5/21/02	0.00	20.10	0.10	79.80	0.00	0.00	
HWPT0074	5/28/02	0.00	20.50	0.00	79.50	0.00	0.00	
HWPT0075	5/2/02	0.00	19.00	0.00	81.00	0.00	0.00	
HWPT0075	5/7/02	0.00	18.40	0.20	81.40	0.00	0.00	
HWPT0075	5/14/02	0.00	20.00	0.20	79.80	0.00	0.00	
HWPT0075	5/21/02	0.00	20.10	0.20	79.70	0.00	0.00	
HWPT0075	5/28/02	0.00	20.50	0.00	79.50	0.00	0.00	
HWPT0076	5/2/02	0.00	18.70	0.00	81.30	0.00	0.00	
HWPT0076	5/7/02	0.00	18.40	0.20	81.40	0.00	0.00	
HWPT0076	5/14/02	0.00	20.00	0.20	79.80	0.00	0.00	
HWPT0076	5/21/02	0.00	20.10	0.20	79.70	0.00	0.00	
HWPT0076	5/28/02	0.00	20.50	0.00	79.50	0.00	0.00	
HWPT0077	5/2/02	0.00	18.80	0.00	81.20	0.00	0.20	
HWPT0077	5/7/02	0.00	18.40	0.20	81.40	0.00	0.00	
HWPT0077	5/14/02	0.00	20.00	0.20	79.80	0.00	0.00	
HWPT0077	5/21/02	0.00	20.10	0.20	79.70	0.00	0.00	
HWPT0077	5/28/02	0.00	20.40	0.00	79.60	0.00	0.00	
HWPT0078	5/2/02	0.00	18.20	0.50	81.30	0.00	0.00	
HWPT0078	5/7/02	0.00	18.40	0.20	81.40	0.00	0.00	
HWPT0078	5/14/02	0.00	20.00	0.20	79.80	0.00	0.00	
HWPT0078	5/21/02	0.00	20.10	0.20	79.70	0.00	0.00	
HWPT0078	5/28/02	0.00	20.40	0.00	79.60	0.00	0.00	
HWPT0079	5/2/02	0.00	13.20	4.30	82.50	0.00	0.00	
HWPT0079	5/7/02	0.00	18.40	0.20	81.40	0.00	0.00	
HWPT0079	5/14/02	0.00	20.00	0.20	79.80	0.00	0.00	
HWPT0079	5/21/02	0.00	20.10	0.20	79.70	0.00	0.00	
HWPT0079	5/28/02	0.00	20.40	0.00	79.60	0.00	0.00	
HWPT0080	5/2/02	0.00	18.60	0.00	81.40	0.00	0.40	
HWPT0080	5/7/02	0.00	18.40	0.20	81.40	0.00	0.00	
HWPT0080	5/14/02	0.00	20.00	0.20	79.80	0.00	0.00	
HWPT0080	5/21/02	0.00	20.10	0.20	79.70	0.00	0.00	
HWPT0080	5/28/02	0.00	20.40	0.00	79.60	0.00	0.00	
HWPT0081	5/2/02	0.00	18.90	0.00	81.10	0.00	-0.60	
HWPT0081	5/7/02	0.00	18.50	0.20	81.30	0.00	0.00	

Hewitt

Probe Report for All Probes

5/01/2002 to 5/31/2002

Probe ID	Date	Gas Composition				Pressure		Comments
		CH4	O2	CO2	N2-Bal	Static	Atmospheric	
HWPT0081	5/14/02	0.00	20.00	0.30	79.70	0.00	0.00	
HWPT0081	5/21/02	0.00	20.00	0.20	79.80	0.00	0.00	
HWPT0081	5/28/02	0.00	20.40	0.00	79.60	0.00	0.00	

Hewitt

Probe Report for All Probes

6/01/2002 to 6/30/2002

Probe ID	Date	Gas Composition				Pressure		Comments
		CH4	O2	CO2	N2-Bal	Static	Atmospheric	
HWOFLARE	6/4/02	18.40	5.20	21.90	54.50	25.76	-27.30	
HWOFLARE	6/10/02	20.40	5.40	22.60	51.60	24.61	-25.00	
HWOFLARE	6/18/02	18.30	5.00	21.70	55.00	21.45	-21.80	
HWOFLARE	6/25/02	20.90	4.20	23.70	51.20	17.20	-17.40	
HWPT0001	6/4/02	0.00	17.70	2.10	80.20	0.00	0.00	
HWPT0001	6/13/02	0.00	16.20	2.90	80.90	0.00	0.00	
HWPT0001	6/18/02	0.00	20.30	0.00	79.70	0.00	0.00	
HWPT0001	6/27/02	0.00	21.70	0.00	78.30	0.00	0.00	
HWPT0002	6/4/02	0.00	17.00	2.70	80.30	0.00	0.00	
HWPT0002	6/13/02	0.00	17.50	2.20	80.30	0.00	0.00	
HWPT0002	6/18/02	0.00	17.20	2.70	80.10	0.00	0.00	
HWPT0002	6/27/02	0.00	19.10	2.60	78.30	0.00	0.00	
HWPT0003	6/4/02	0.00	20.30	0.10	79.60	0.00	0.00	
HWPT0003	6/13/02	0.00	19.80	0.00	80.20	0.00	0.00	
HWPT0003	6/18/02	0.00	19.90	0.20	79.90	0.00	0.00	
HWPT0003	6/27/02	0.00	21.40	0.20	78.40	0.00	0.00	
HWPT0004	6/4/02	0.00	20.30	0.20	79.50	0.00	0.00	
HWPT0004	6/13/02	0.00	19.80	0.10	80.10	0.00	0.00	
HWPT0004	6/18/02	0.00	20.20	0.00	79.80	0.00	0.00	
HWPT0004	6/27/02	0.00	21.40	0.20	78.40	0.00	0.00	
HWPT0005	6/4/02	0.00	15.30	4.50	80.20	0.00	0.00	
HWPT0005	6/13/02	0.00	19.20	0.50	80.30	0.00	0.00	
HWPT0005	6/18/02	0.00	20.20	0.10	79.70	0.00	0.00	
HWPT0005	6/27/02	0.00	19.20	1.90	78.90	0.00	0.00	
HWPT0006	6/4/02	0.00	19.60	0.70	79.70	0.00	0.00	
HWPT0006	6/13/02	0.00	19.20	0.40	80.40	0.00	0.00	
HWPT0006	6/18/02	0.00	19.80	0.40	79.80	0.00	0.00	
HWPT0006	6/27/02	0.00	21.20	0.30	78.50	0.00	0.00	
HWPT0007	6/4/02	0.00	19.90	0.40	79.70	0.00	0.00	
HWPT0007	6/13/02	0.00	19.70	0.10	80.20	0.00	0.00	
HWPT0007	6/18/02	0.00	20.00	0.20	79.80	0.00	0.00	
HWPT0007	6/27/02	0.00	21.20	0.40	78.40	0.00	0.00	
HWPT0008	6/4/02	0.00	20.50	0.00	79.50	0.00	0.00	
HWPT0008	6/13/02	0.00	19.80	0.00	80.20	0.00	0.00	
HWPT0008	6/18/02	0.00	20.20	0.00	79.80	0.00	0.00	
HWPT0008	6/27/02	0.00	21.50	0.00	78.50	0.00	0.00	
HWPT0009	6/4/02	0.00	20.20	0.20	79.60	0.00	0.00	
HWPT0009	6/13/02	0.00	19.80	0.00	80.20	0.00	0.00	
HWPT0009	6/18/02	0.00	20.20	0.10	79.70	0.00	0.00	
HWPT0009	6/27/02	0.00	21.50	0.00	78.50	0.00	0.00	
HWPT0010	6/4/02	0.00	19.00	0.40	80.60	0.00	0.00	
HWPT0010	6/13/02	0.00	19.20	0.10	80.70	0.00	0.00	
HWPT0010	6/18/02	0.00	19.30	0.30	80.40	0.00	0.00	
HWPT0010	6/27/02	0.00	21.20	0.10	78.70	0.00	0.00	
HWPT0011	6/4/02	0.00	18.40	0.40	81.20	0.00	0.00	
HWPT0011	6/13/02	0.00	18.60	0.30	81.10	0.00	0.00	
HWPT0011	6/18/02	0.00	18.70	0.40	80.90	0.00	0.00	
HWPT0011	6/27/02	0.00	20.20	0.40	79.40	0.00	0.00	
HWPT0012	6/4/02	0.00	20.00	0.10	79.90	0.00	0.00	
HWPT0012	6/13/02	0.00	19.50	0.00	80.50	0.00	0.00	
HWPT0012	6/18/02	0.00	19.90	0.00	80.10	0.00	0.00	

Hewitt

Probe Report for All Probes

6/01/2002 to 6/30/2002

Probe ID	Date	Gas Composition				Pressure		Comments
		CH4	O2	CO2	N2-Bal	Static	Atmospheric	
HWPT0012	6/27/02	0.00	21.20	0.10	78.70	0.00	0.00	
HWPT0013	6/4/02	0.00	20.50	0.00	79.50	0.00	0.00	
HWPT0013	6/13/02	0.00	19.60	0.00	80.40	0.00	0.00	
HWPT0013	6/18/02	0.00	20.10	0.00	79.90	0.00	0.00	
HWPT0013	6/27/02	0.00	21.40	0.00	78.60	0.00	0.00	
HWPT0014	6/4/02	0.00	20.50	0.00	79.50	0.00	0.00	
HWPT0014	6/13/02	0.00	19.60	0.00	80.40	0.00	0.00	
HWPT0014	6/18/02	0.00	20.20	0.00	79.80	0.00	0.00	
HWPT0014	6/27/02	0.00	21.40	0.00	78.60	0.00	0.00	
HWPT0015	6/4/02	0.00	20.50	0.00	79.50	0.00	0.00	
HWPT0015	6/13/02	0.00	19.10	0.30	80.60	0.00	0.00	
HWPT0015	6/18/02	0.00	20.30	0.00	79.70	0.00	0.00	
HWPT0015	6/27/02	0.00	21.40	0.00	78.60	0.00	0.00	
HWPT0016	6/4/02	0.00	20.00	0.30	79.70	0.00	0.00	
HWPT0016	6/13/02	0.00	19.40	0.00	80.60	0.00	0.00	
HWPT0016	6/18/02	0.00	19.80	0.30	79.90	0.00	0.00	
HWPT0016	6/27/02	0.00	20.20	0.90	78.90	0.00	0.00	
HWPT0017	6/4/02	0.00	20.20	0.00	79.80	0.00	0.00	
HWPT0017	6/13/02	0.00	19.40	0.00	80.60	0.00	0.00	
HWPT0017	6/18/02	0.00	20.10	0.00	79.90	0.00	0.00	
HWPT0017	6/27/02	0.00	21.20	0.20	78.60	0.00	0.00	
HWPT0018	6/4/02	0.00	20.30	0.00	79.70	0.00	0.00	
HWPT0018	6/13/02	0.00	19.40	0.00	80.60	0.00	0.00	
HWPT0018	6/18/02	0.00	20.10	0.00	79.90	0.00	0.00	
HWPT0018	6/27/02	0.00	21.30	0.10	78.60	0.00	0.00	
HWPT0019	6/4/02	0.00	20.50	0.00	79.50	0.00	0.00	
HWPT0019	6/13/02	0.00	19.30	0.00	80.70	0.00	0.00	
HWPT0019	6/18/02	0.00	20.20	0.00	79.80	0.00	0.00	
HWPT0019	6/27/02	0.00	21.40	0.00	78.60	0.00	0.00	
HWPT0020	6/4/02	0.00	20.50	0.00	79.50	0.00	0.00	
HWPT0020	6/13/02	0.00	19.30	0.00	80.70	0.00	0.00	
HWPT0020	6/18/02	0.00	20.20	0.00	79.80	0.00	0.00	
HWPT0020	6/27/02	0.00	21.40	0.00	78.60	0.00	0.00	
HWPT0021	6/4/02	0.00	20.50	0.00	79.50	0.00	0.00	
HWPT0021	6/13/02	0.00	19.20	0.00	80.80	0.00	0.00	
HWPT0021	6/18/02	0.00	20.30	0.00	79.70	0.00	0.00	
HWPT0021	6/27/02	0.00	21.40	0.00	78.60	0.00	0.00	
HWPT0022	6/4/02	0.00	20.60	0.00	79.40	0.00	0.00	
HWPT0022	6/13/02	0.00	19.20	0.00	80.80	0.00	0.00	
HWPT0022	6/18/02	0.00	20.30	0.00	79.70	0.00	0.00	
HWPT0022	6/27/02	0.00	21.40	0.00	78.60	0.00	0.00	
HWPT0023	6/4/02	0.00	19.80	0.50	79.70	0.00	0.00	
HWPT0023	6/13/02	0.00	19.40	0.10	80.50	0.00	0.00	
HWPT0023	6/18/02	0.00	19.90	0.30	79.80	0.00	0.00	
HWPT0023	6/27/02	0.00	20.90	0.50	78.60	0.00	0.00	
HWPT0024	6/4/02	0.00	20.40	0.00	79.60	0.00	0.00	
HWPT0024	6/13/02	0.00	19.70	0.00	80.30	0.00	0.00	
HWPT0024	6/18/02	0.00	20.20	0.00	79.80	0.00	0.00	
HWPT0024	6/27/02	0.00	21.20	0.00	78.80	0.00	0.00	
HWPT0025	6/4/02	0.00	19.90	0.30	79.80	0.00	0.00	
HWPT0025	6/13/02	0.00	18.80	0.60	80.60	0.00	0.00	

Hewitt

Probe Report for All Probes

6/01/2002 to 6/30/2002

Probe ID	Date	Gas Composition				Pressure		Comments
		CH4	O2	CO2	N2-Bal	Static	Atmospheric	
HWPT0025	6/18/02	0.00	19.60	0.40	80.00	0.00	0.00	
HWPT0025	6/27/02	0.00	21.40	0.00	78.60	0.00	0.00	
HWPT0026	6/4/02	0.00	20.20	0.20	79.60	0.00	0.00	
HWPT0026	6/13/02	0.00	19.60	0.00	80.40	0.00	0.00	
HWPT0026	6/18/02	0.00	20.10	0.10	79.80	0.00	0.00	
HWPT0025	6/27/02	0.00	21.20	0.20	78.60	0.00	0.00	
HWPT0027	6/4/02	0.00	20.40	0.00	79.60	0.00	0.00	
HWPT0027	6/13/02	0.00	19.60	0.00	80.40	0.00	0.00	
HWPT0027	6/18/02	0.00	20.20	0.00	79.80	0.00	0.00	
HWPT0027	6/27/02	0.00	21.30	0.00	78.70	0.00	0.00	
HWPT0028	6/4/02	0.00	19.90	0.40	79.70	0.00	0.00	
HWPT0028	6/13/02	0.00	19.10	0.40	80.50	0.00	0.00	
HWPT0028	6/18/02	0.00	19.90	0.40	79.70	0.00	0.00	
HWPT0028	6/27/02	0.00	21.20	0.20	78.60	0.00	0.00	
HWPT0029	6/4/02	0.00	18.80	1.10	80.10	0.00	0.00	
HWPT0029	6/13/02	0.00	19.60	0.00	80.40	0.00	0.00	
HWPT0029	6/18/02	0.00	20.10	0.10	79.80	0.00	0.00	
HWPT0029	6/27/02	0.00	20.80	0.60	78.60	0.00	0.00	
HWPT0030	6/4/02	0.00	20.50	0.00	79.50	0.00	0.00	
HWPT0030	6/13/02	0.00	19.80	0.00	80.20	0.00	0.00	
HWPT0030	6/18/02	0.00	20.30	0.00	79.70	0.00	0.00	
HWPT0030	6/27/02	0.00	21.40	0.00	78.60	0.00	0.00	
HWPT0031	6/4/02	0.00	20.50	0.00	79.50	0.00	0.00	
HWPT0031	6/13/02	0.00	19.60	0.00	80.40	0.00	0.00	
HWPT0031	6/18/02	0.00	20.30	0.00	79.70	0.00	0.00	
HWPT0031	6/27/02	0.00	21.40	0.00	78.60	0.00	0.00	
HWPT0032	6/4/02	0.00	20.20	0.20	79.60	0.00	0.00	
HWPT0032	6/13/02	0.00	19.60	0.00	80.40	0.00	0.00	
HWPT0032	6/18/02	0.00	20.20	0.00	79.80	0.00	0.00	
HWPT0032	6/27/02	0.00	21.30	0.10	78.60	0.00	0.00	
HWPT0033	6/4/02	0.00	20.20	0.20	79.60	0.00	0.00	
HWPT0033	6/13/02	0.00	19.70	0.00	80.30	0.00	0.00	
HWPT0033	6/18/02	0.00	20.30	0.00	79.70	0.00	0.00	
HWPT0033	6/27/02	0.00	21.20	0.20	78.60	0.00	0.00	
HWPT0034	6/4/02	0.00	19.90	0.40	79.70	0.00	0.00	
HWPT0034	6/13/02	0.00	19.70	0.00	80.30	0.00	0.00	
HWPT0034	6/18/02	0.00	20.20	0.00	79.80	0.00	0.00	
HWPT0034	6/27/02	0.00	21.10	0.30	78.60	0.00	0.00	
HWPT0035	6/4/02	0.00	18.90	1.10	80.00	0.00	0.00	
HWPT0035	6/13/02	0.00	18.90	0.50	80.60	0.00	0.00	
HWPT0035	6/18/02	0.00	19.30	0.90	79.80	0.00	0.00	
HWPT0035	6/27/02	0.00	20.50	0.90	78.60	0.00	0.00	
HWPT0036	6/4/02	0.00	18.60	1.00	80.40	0.00	0.00	
HWPT0036	6/13/02	0.00	19.00	0.40	80.60	0.00	0.00	
HWPT0036	6/18/02	0.00	20.30	0.00	79.70	0.00	0.00	
HWPT0036	6/27/02	0.00	20.70	0.40	78.90	0.00	0.00	
HWPT0037	6/4/02	0.00	18.50	1.40	80.10	0.00	0.00	
HWPT0037	6/13/02	0.00	18.10	1.10	80.80	0.00	0.00	
HWPT0037	6/18/02	0.00	18.60	1.40	80.00	0.00	0.00	
HWPT0037	6/27/02	0.00	20.40	0.80	78.80	0.00	0.00	
HWPT0038	6/4/02	0.00	19.30	0.60	80.10	0.00	0.00	

Hewitt

Probe Report for All Probes

6/01/2002 to 6/30/2002

Probe ID	Date	Gas Composition				Pressure		Comments
		CH4	O2	CO2	N2-Bal	Static	Atmospheric	
HWPT0038	6/13/02	0.00	19.50	0.00	80.50	0.00	0.00	
HWPT0038	6/18/02	0.00	19.60	0.30	80.10	0.00	0.00	
HWPT0038	6/27/02	0.00	21.20	0.10	78.70	0.00	0.00	
HWPT0039	6/4/02	0.00	19.60	0.30	80.10	0.00	0.00	
HWPT0039	6/13/02	0.00	19.60	0.00	80.40	0.00	0.00	
HWPT0039	6/18/02	0.00	20.20	0.00	79.80	0.00	0.00	
HWPT0039	6/27/02	0.00	21.20	0.10	78.70	0.00	0.00	
HWPT0040	6/4/02	0.00	20.10	0.30	79.60	0.00	0.00	
HWPT0040	6/13/02	0.00	19.70	0.00	80.30	0.00	0.00	
HWPT0040	6/18/02	0.00	20.10	0.10	79.80	0.00	0.00	
HWPT0040	6/27/02	0.00	21.20	0.30	78.50	0.00	0.00	
HWPT0041	6/4/02	0.00	19.60	0.40	79.80	0.00	0.00	
HWPT0041	6/13/02	0.00	19.80	0.00	80.20	0.00	0.00	
HWPT0041	6/18/02	0.00	20.30	0.00	79.70	0.00	0.00	
HWPT0041	6/27/02	0.00	21.30	0.00	78.70	0.00	0.00	
HWPT0042	6/4/02	0.00	19.10	0.90	80.00	0.00	0.00	
HWPT0042	6/13/02	0.00	18.30	0.90	80.80	0.00	0.00	
HWPT0042	6/18/02	0.00	19.10	0.90	80.00	0.00	0.00	
HWPT0042	6/27/02	0.00	20.50	0.80	78.70	0.00	0.00	
HWPT0043	6/4/02	0.00	18.70	1.10	80.20	0.00	0.00	
HWPT0043	6/13/02	0.00	19.20	0.30	80.50	0.00	0.00	
HWPT0043	6/18/02	0.00	19.00	0.90	80.10	0.00	0.00	
HWPT0043	6/27/02	0.00	21.30	0.00	78.70	0.00	0.00	
HWPT0044	6/4/02	0.00	18.70	1.10	80.20	0.00	0.00	
HWPT0044	6/13/02	0.00	19.30	0.10	80.60	0.00	0.00	
HWPT0044	6/18/02	0.00	18.50	1.10	80.40	0.00	0.00	
HWPT0044	6/27/02	0.00	20.80	0.50	78.70	0.00	0.00	
HWPT0045	6/4/02	0.00	20.20	0.00	79.80	0.00	0.00	
HWPT0045	6/13/02	0.00	19.50	0.00	80.50	0.00	0.00	
HWPT0045	6/18/02	0.00	15.00	3.80	81.20	0.00	0.00	
HWPT0045	6/27/02	0.00	21.30	0.00	78.70	0.00	0.00	
HWPT0046	6/4/02	0.00	17.00	2.50	80.50	0.00	0.00	
HWPT0046	6/13/02	0.00	19.70	0.00	80.30	0.00	0.00	
HWPT0046	6/18/02	0.00	19.70	0.20	80.10	0.00	0.00	
HWPT0046	6/27/02	0.00	21.30	0.00	78.70	0.00	0.00	
HWPT0047	6/4/02	0.00	18.60	1.30	80.10	0.00	0.00	
HWPT0047	6/13/02	0.00	19.70	0.00	80.30	0.00	0.00	
HWPT0047	6/18/02	0.00	19.70	0.30	80.00	0.00	0.00	
HWPT0047	6/27/02	0.00	21.30	0.00	78.70	0.00	0.00	
HWPT0048	6/4/02	0.00	18.70	1.00	80.30	0.00	0.00	
HWPT0048	6/13/02	0.00	19.70	0.00	80.30	0.00	0.00	
HWPT0048	6/18/02	0.00	19.60	0.30	80.10	0.00	0.00	
HWPT0048	6/27/02	0.00	20.80	0.40	78.80	0.00	0.00	
HWPT0049	6/4/02	0.00	20.20	0.20	79.60	0.00	0.00	
HWPT0049	6/13/02	0.00	18.70	1.00	80.30	0.00	0.00	
HWPT0049	6/18/02	0.00	19.00	1.30	79.70	0.00	0.00	
HWPT0049	6/27/02	0.00	20.70	0.80	78.50	0.00	0.00	
HWPT0050	6/4/02	0.00	20.10	0.30	79.60	0.00	0.00	
HWPT0050	6/13/02	0.00	19.70	0.00	80.30	0.00	0.00	
HWPT0050	6/18/02	0.00	19.80	0.30	79.90	0.00	0.00	
HWPT0050	6/27/02	0.00	21.40	0.00	78.60	0.00	0.00	

Hewitt

Probe Report for All Probes

6/01/2002 to 6/30/2002

Probe ID	Date	Gas Composition				Pressure		Comments
		CH4	O2	CO2	N2-Bal	Static	Atmospheric	
HWPT0051	6/4/02	0.00	19.40	0.50	80.10	0.00	0.00	
HWPT0051	6/13/02	0.00	18.80	0.70	80.50	0.00	0.00	
HWPT0051	6/18/02	0.00	19.40	0.60	80.00	0.00	0.00	
HWPT0051	6/27/02	0.00	20.50	0.90	78.60	0.00	0.00	
HWPT0052	6/4/02	0.00	19.60	0.50	79.90	0.00	0.00	
HWPT0052	6/13/02	0.00	19.20	0.30	80.50	0.00	0.00	
HWPT0052	6/18/02	0.00	19.60	0.40	80.00	0.00	0.00	
HWPT0052	6/27/02	0.00	21.00	0.40	78.60	0.00	0.00	
HWPT0053	6/4/02	0.00	20.20	0.00	79.80	0.00	0.00	
HWPT0053	6/13/02	0.00	19.70	0.00	80.30	0.00	0.00	
HWPT0053	6/18/02	0.00	19.90	0.10	80.00	0.00	0.00	
HWPT0053	6/27/02	0.00	21.00	0.30	78.70	0.00	0.00	
HWPT0054	6/4/02	0.00	17.80	1.80	80.40	0.00	0.00	
HWPT0054	6/13/02	0.00	17.70	1.70	80.60	0.00	0.00	
HWPT0054	6/18/02	0.00	18.30	1.80	79.90	0.00	0.00	
HWPT0054	6/27/02	0.00	21.20	0.10	78.70	0.00	0.00	
HWPT0055	6/4/02	0.00	19.80	0.60	79.60	0.00	0.00	
HWPT0055	6/13/02	0.00	17.80	1.40	80.80	0.00	0.00	
HWPT0055	6/18/02	0.00	19.80	0.60	79.80	0.00	0.00	
HWPT0055	6/27/02	0.00	21.00	0.30	78.70	0.00	0.00	
HWPT0056	6/4/02	0.00	19.30	0.80	79.90	0.00	0.00	
HWPT0056	6/13/02	0.00	18.10	1.30	80.60	0.00	0.00	
HWPT0056	6/18/02	0.00	20.20	0.00	79.80	0.00	0.00	
HWPT0056	6/27/02	0.00	21.30	0.00	78.70	0.00	0.00	
HWPT0057	6/4/02	0.00	20.10	0.10	79.80	0.00	0.00	
HWPT0057	6/13/02	0.00	19.50	0.40	80.10	0.00	0.00	
HWPT0057	6/18/02	0.00	19.70	0.40	79.90	0.00	0.00	
HWPT0057	6/27/02	0.00	20.90	0.60	78.50	0.00	0.00	
HWPT0058	6/4/02	0.00	20.10	0.10	79.80	0.00	0.00	
HWPT0058	6/13/02	0.00	19.60	0.00	80.40	0.00	0.00	
HWPT0058	6/18/02	0.00	20.00	0.20	79.80	0.00	0.00	
HWPT0058	6/27/02	0.00	21.20	0.20	78.60	0.00	0.00	
HWPT0059	6/4/02	0.00	20.30	0.00	79.70	0.00	0.00	
HWPT0059	6/13/02	0.00	19.70	0.00	80.30	0.00	0.00	
HWPT0059	6/18/02	0.00	20.00	0.10	79.90	0.00	0.00	
HWPT0059	6/27/02	0.00	21.20	0.00	78.80	0.00	0.00	
HWPT0060	6/4/02	0.00	19.60	0.50	79.90	0.00	0.00	
HWPT0060	6/13/02	0.00	19.10	0.40	80.50	0.00	0.00	
HWPT0060	6/18/02	0.00	19.60	0.70	79.70	0.00	0.00	
HWPT0060	6/27/02	0.00	20.60	0.70	78.70	0.00	0.00	
HWPT0061	6/4/02	0.00	19.10	0.70	80.20	0.00	0.00	
HWPT0061	6/13/02	0.00	19.50	0.20	80.30	0.00	0.00	
HWPT0061	6/18/02	0.00	19.90	0.30	79.80	0.00	0.00	
HWPT0061	6/27/02	0.00	20.70	0.50	78.80	0.00	0.00	
HWPT0062	6/4/02	0.00	20.20	0.00	79.80	0.00	0.00	
HWPT0062	6/13/02	0.00	19.60	0.00	80.40	0.00	0.00	
HWPT0062	6/18/02	0.00	17.00	2.60	80.40	0.00	0.00	
HWPT0062	6/27/02	0.00	19.70	1.00	79.30	0.00	0.00	
HWPT0063	6/4/02	0.00	19.10	1.00	79.90	0.00	0.00	
HWPT0063	6/13/02	0.00	19.80	0.00	80.20	0.00	0.00	
HWPT0063	6/18/02	0.00	19.60	0.20	80.20	0.00	0.00	

Hewitt

Probe Report for All Probes

6/01/2002 to 6/30/2002

Probe ID	Date	Gas Composition				Pressure		Comments
		CH4	O2	CO2	N2-Bal	Static	Atmospheric	
HWPT0063	6/27/02	0.00	20.70	0.40	78.90	0.00	0.00	
HWPT0064	6/4/02	0.00	19.30	1.10	79.60	0.00	0.00	
HWPT0064	6/13/02	0.00	19.80	0.10	80.10	0.00	0.00	
HWPT0064	6/18/02	0.00	19.50	0.60	79.90	0.00	0.00	
HWPT0064	6/27/02	0.00	21.10	0.10	78.80	0.00	0.00	
HWPT0065	6/4/02	0.00	19.60	0.00	80.40	0.00	0.00	
HWPT0065	6/13/02	0.00	19.70	0.00	80.30	0.00	0.00	
HWPT0065	6/18/02	0.00	20.30	0.00	79.70	0.00	0.00	
HWPT0065	6/27/02	0.00	21.10	0.20	78.70	0.00	0.00	
HWPT0066	6/4/02	0.00	19.60	0.00	80.40	0.00	0.00	
HWPT0066	6/13/02	0.00	19.70	0.00	80.30	0.00	0.00	
HWPT0066	6/18/02	0.00	20.30	0.00	79.70	0.00	0.00	
HWPT0066	6/27/02	0.00	21.00	0.20	78.80	0.00	0.00	
HWPT0067	6/4/02	0.00	19.60	0.00	80.40	0.00	0.00	
HWPT0067	6/13/02	0.00	19.60	0.00	80.40	0.00	0.00	
HWPT0067	6/18/02	0.00	20.30	0.00	79.70	0.00	0.00	
HWPT0067	6/27/02	0.00	21.00	0.20	78.80	0.00	0.00	
HWPT0068	6/4/02	0.00	19.60	0.00	80.40	0.00	0.00	
HWPT0068	6/13/02	0.00	19.60	0.00	80.40	0.00	0.00	
HWPT0068	6/18/02	0.00	20.30	0.00	79.70	0.00	0.00	
HWPT0068	6/27/02	0.00	21.00	0.20	78.80	0.00	0.00	
HWPT0069	6/4/02	0.00	20.70	0.00	79.30	0.00	0.00	
HWPT0069	6/13/02	0.00	19.60	0.00	80.40	0.00	0.00	
HWPT0069	6/18/02	0.00	19.90	0.30	79.80	0.00	0.00	
HWPT0069	6/27/02	0.00	21.00	0.20	78.80	0.00	0.00	
HWPT0070	6/4/02	0.00	20.50	0.00	79.50	0.00	0.00	
HWPT0070	6/13/02	0.00	19.60	0.00	80.40	0.00	0.00	
HWPT0070	6/18/02	0.00	19.80	0.40	79.80	0.00	0.00	
HWPT0070	6/27/02	0.00	21.00	0.30	78.70	0.00	0.00	
HWPT0071	6/4/02	0.00	20.50	0.00	79.50	0.00	0.00	
HWPT0071	6/13/02	0.00	19.60	0.00	80.40	0.00	0.00	
HWPT0071	6/18/02	0.00	20.20	0.00	79.80	0.00	0.00	
HWPT0071	6/27/02	0.00	21.00	0.30	78.70	0.00	0.00	
HWPT0072	6/4/02	0.00	20.40	0.00	79.60	0.00	0.00	
HWPT0072	6/13/02	0.00	19.60	0.00	80.40	0.00	0.00	
HWPT0072	6/18/02	0.00	20.20	0.00	79.80	0.00	0.00	
HWPT0072	6/27/02	0.00	21.00	0.30	78.70	0.00	0.00	
HWPT0073	6/4/02	0.00	20.40	0.00	79.60	0.00	0.00	
HWPT0073	6/13/02	0.00	19.60	0.00	80.40	0.00	0.00	
HWPT0073	6/18/02	0.00	20.30	0.00	79.70	0.00	0.00	
HWPT0073	6/27/02	0.00	21.00	0.30	78.70	0.00	0.00	
HWPT0074	6/4/02	0.00	20.30	0.00	79.70	0.00	0.00	
HWPT0074	6/13/02	0.00	19.60	0.00	80.40	0.00	0.00	
HWPT0074	6/18/02	0.00	20.50	0.00	79.50	0.00	0.00	
HWPT0074	6/27/02	0.00	21.00	0.30	78.70	0.00	0.00	
HWPT0075	6/4/02	0.00	20.30	0.00	79.70	0.00	0.00	
HWPT0075	6/13/02	0.00	19.60	0.00	80.40	0.00	0.00	
HWPT0075	6/18/02	0.00	19.90	0.20	79.90	0.00	0.00	
HWPT0075	6/27/02	0.00	21.00	0.30	78.70	0.00	0.00	
HWPT0076	6/4/02	0.00	20.30	0.00	79.70	0.00	0.00	
HWPT0076	6/13/02	0.00	19.60	0.00	80.40	0.00	0.00	

Hewitt

Probe Report for All Probes

6/01/2002 to 6/30/2002

Probe ID	Date	Gas Composition				Pressure		Comments
		CH4	O2	CO2	N2-Bal	Static	Atmospheric	
HWPT0076	6/18/02	0.00	20.20	0.00	79.80	0.00	0.00	
HWPT0076	6/27/02	0.00	21.20	0.00	78.80	0.00	0.00	
HWPT0077	6/4/02	0.00	20.30	0.00	79.70	0.00	0.00	
HWPT0077	6/13/02	0.00	19.60	0.00	80.40	0.00	0.00	
HWPT0077	6/18/02	0.00	20.50	0.00	79.50	0.00	0.00	
HWPT0077	6/27/02	0.00	21.20	0.00	78.80	0.00	0.00	
HWPT0078	6/4/02	0.00	20.30	0.00	79.70	0.00	0.00	
HWPT0078	6/13/02	0.00	19.60	0.00	80.40	0.00	0.00	
HWPT0078	6/18/02	0.00	20.40	0.00	79.60	0.00	0.00	
HWPT0078	6/27/02	0.00	21.20	0.00	78.80	0.00	0.00	
HWPT0079	6/4/02	0.00	20.40	0.00	79.60	0.00	0.00	
HWPT0079	6/13/02	0.00	19.60	0.00	80.40	0.00	0.00	
HWPT0079	6/18/02	0.00	20.20	0.10	79.70	0.00	0.00	
HWPT0079	6/27/02	0.00	12.90	6.50	80.60	0.00	0.00	
HWPT0080	6/4/02	0.00	20.40	0.00	79.60	0.00	0.00	
HWPT0080	6/13/02	0.00	19.60	0.00	80.40	0.00	0.00	
HWPT0080	6/18/02	0.00	20.00	0.30	79.70	0.00	0.00	
HWPT0080	6/27/02	0.00	21.30	0.00	78.70	0.00	0.00	
HWPT0081	6/4/02	0.00	20.40	0.00	79.60	0.00	0.00	
HWPT0081	6/13/02	0.00	19.60	0.00	80.40	0.00	0.00	
HWPT0081	6/18/02	0.00	20.20	0.20	79.60	0.00	0.00	
HWPT0081	6/27/02	0.00	21.10	0.00	78.90	0.00	0.00	

Attachment 2

INTEGRATED LANDFILL

SURFACE SAMPLING

July 18, 2002
Grids 1-52

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HEWITT PIT

INTEGRATED LANDFILL SURFACE MONITORING

Personnel: Craig Markley, Steve Hibbard, ISASA Esquivel, Mike George, Kent Montz, Paul Ponce, Matt Galador

Date: 6-18-02 Instrument used:

Temperature: 70° Clear

Grid ID	Staff Initials	Time Start	Time Stop	TOC ppm	Roto-mtr, cc/min	Wind spd, mph/direct	Remarks
1	CM	1000	1025	5	.333		
2	MG	1000	1025	5			
3	PP	1000	1025	5			
4	Matt	1000	1025	5			
5	SH	1000	1025	5			
6	KM	1000	1025	5			
7	FE	1000	1025	5			
8	CM	1030	1055	5			
9	MG	1030	1055	5			
10	PP	1030	1055	5			
11	Matt	1030	1055	5			
12	SH	1030	1055	5			
13	KM	1030	1055	5			
14	MG	1030	1055	5			
15	CM	1200	1225	5			
16	MG	1200	1225	5			
17	PP	1200	1225	5			
18	Matt	1200	1225	5			
19	SH	1200	1225	5			

Attach Calibration Sheet
Attach site map showing grid ID

Wp:hotspots 2000.wkst

HEWITT PIT

INTEGRATED LANDFILL SURFACE MONITORING

Personnel: Craig Markley, Steve Hibbard, ISASA Eeqict, Mike George, Kent Monte, Paul Ponce, Matt Galadon

Date: 6-18-02 Instrument used:

Temperature:

Grid ID	Staff Initials	Time Start	Time Stop	TOC ppm	Roto-mtr, cc/min	Wind spd, mph/direct	Remarks
20	KM	1200	1225	5	.333		
21	IE	1200	1225	5			
22	CM	1230	1255	10			
23	MG	1230	1255	15			
24	PP	1230	1255	5			
25	SH	1230	1255	5			
26	KM	1230	1255	5			
27	Matt	1230	1255	5			
28	IE	1230	1255	5			
29	CM	1300	1325	5			
30	MG	1300	1325	5			
31	PP	1300	1325	5			
32	SH	1300	1325	5			
33	KM	1300	1325	5			
34	Matt	1300	1325	5			
35	IE	1300	1325	5			
36	CM	1330	1355	5			
37	MG	1330	1355	5			
38	PP	1330	1355	5			

Attach Calibration Sheet
Attach site map showing grid ID

Wp:hotspots 2000.wkst

HEWITT PIT

INTEGRATED LANDFILL SURFACE MONITORING

Personnel: Craig Markley, Steve Hilbard, ISASA Esquat.
Mike George, Kent Montz
Paul Pace, Matt Galador

Date: 6-18-02 Instrument used:

Temperature:

Grid ID	Staff Initials	Time Start	Time Stop	TOC ppm	Roto-mtr, cc/min	Wind spd, mph/direct	Remarks
39	SH	1330	1355	5	1333		
40	KM	1330	1355	5			
41	MG	1330	1355	5			
42	IE	1330	1355	5			
43	CM	1400	1425	5			
44	MG	1400	1425	5			
45	PP	1400	1425	5			
46	Matt	1400	1425	5			
47	SH	1400	1425	5			
48	KM	1400	1425	5			
49	IE	1400	1425	5			
50	MG	1430	1455	5			
51	Matt	1430	1455	5			
52	PP.	1430	1455	5			

Attach Calibration Sheet
Attach site map showing grid ID

Wp:hotspots 2000.wkst

RES Environmental Inc.

OVA CALIBRATION LOG

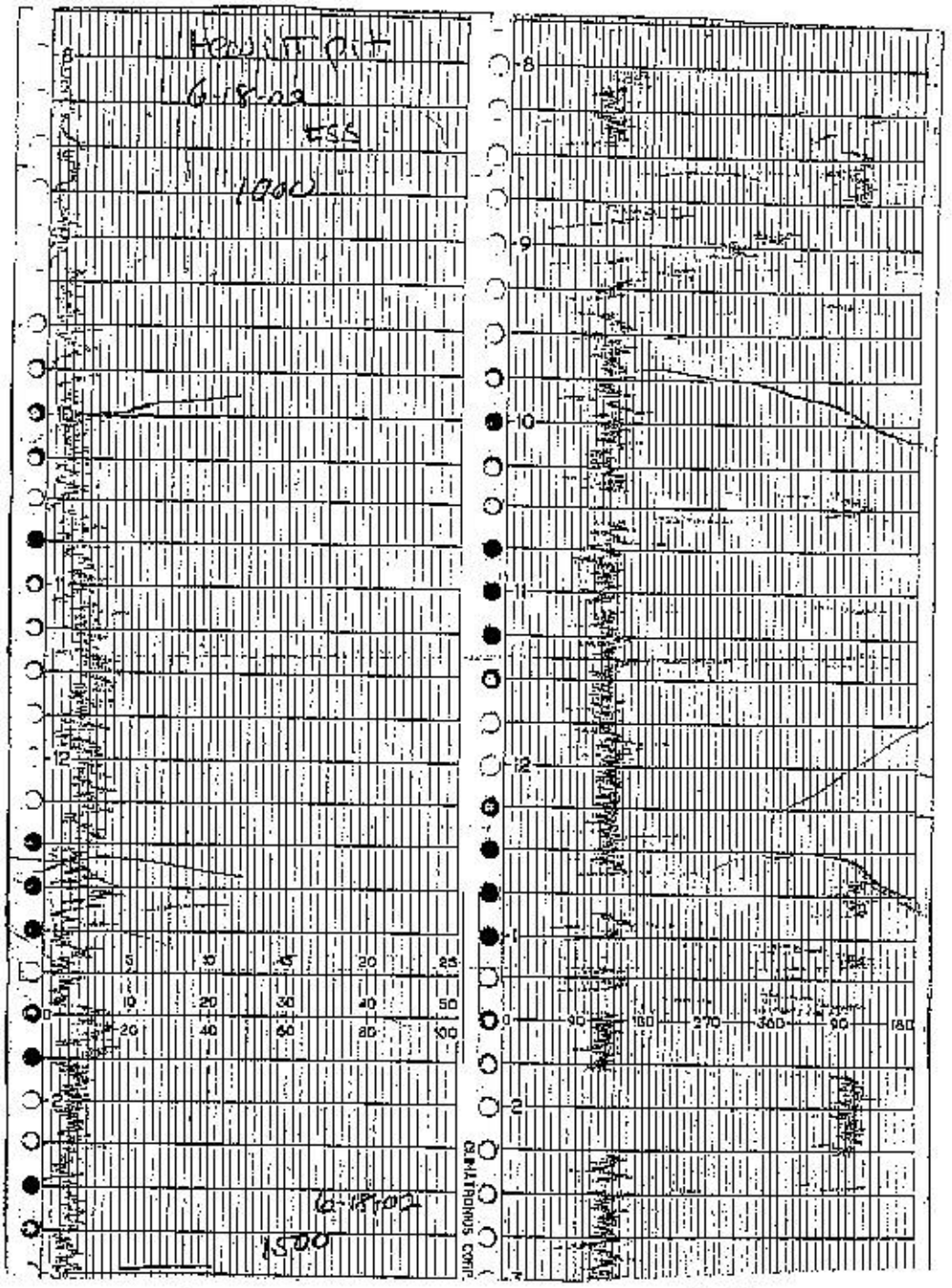
Hewitt PJ

MAKE Foxboro

SERIAL #

MODEL #

Operator	Date	Battery Check	Raw Meter Reading	Pressure At Burden W.C.	Zero Reading 10 PPM	Zero Reading 100 PPM	Zero Reading 1000 PPM	OVA Calibration Gas Unconducted Readings Low PPM	Low ACT	Med. PPM	Med. ACT	High PPM	High ACT	OVA Calibration Gas Conducted Readings Low PPM	Low ACT	Med. PPM	Med. ACT	High PPM	High ACT	3 Pt. Calibration Check PPM	PPM	PPM	Initial Instr. OC & Appr.	Calibration Pressure #
P. Markley	6/18/02	OK	1.5	—	—	—	—	—	—	—	—	500	500	—	—	—	—	500	500	—	—	500	CM	50450
M. Geogei	6/18/02	OK	1.5	—	—	—	—	—	—	—	—	500	500	—	—	—	—	500	500	—	—	500	MC	48718
P. Pance	6/18/02	OK	1.5	—	—	—	—	—	—	—	—	500	500	—	—	—	—	500	500	—	—	500	PP	50505
K Mintz	6/18/02	OK	1.5	—	—	—	—	—	—	—	—	500	500	—	—	—	—	500	500	—	—	500	WM	11428
M. Galadin	6/18/02	OK	1.5	—	—	—	—	—	—	—	—	500	500	—	—	—	—	500	500	—	—	500	MG	11429
I Eagan	6/18/02	OK	1.5	—	—	—	—	—	—	—	—	500	500	—	—	—	—	500	500	—	—	500	IE	50506
S. Hibbard	6/18/02	OK	1.5	—	—	—	—	—	—	—	—	500	500	—	—	—	—	500	500	—	—	500	SH	11218



JUL 17 2002

RES Environmental Inc.

16-POINT WIND DIRECTION INDEX

NO	DIRECTION	DEGREES FROM	DEGREES CENTER	DEGREES 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 3

INTEGRATED LANDFILL SURFACE SAMPLING LABORATORY RESULTS

JUNE 18, 2002

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RES Environmental Inc.

OVA CALIBRATION LOG

Hewitt PJ

MAKE Fou

SERIAL #

MODEL #

Operator	Date	Battery Check	Prior Meter Reading	Pressure At Suction W.C.	Zero Reading 10 PPM	Zero Reading 100 PPM	Zero Reading 1000 PPM	Cal Calibration Gas, Unconverted Readings Low PPM	Low ACT	Med. PPM	Med. ACT	High PPM	High ACT	Cal Calibration Gas Converted Readings Low PPM	Low ACT	Med. PPM	Med. ACT	High PPM	High ACT	3 Ft. Calibration Check PPM	PPM	PPM	Initial Inst. OK & Appr.	C #
P. Markley	6/18/02	OK	1.5	—	—	—	—	—	—	—	—	500	500	—	—	—	—	500	500	—	—	500	[illegible]	50
M. Geogei	6/18/02	OK	1.5	—	—	—	—	—	—	—	—	500	500	—	—	—	—	500	500	—	—	500	[illegible]	48
P. Pance	6/18/02	OK	1.5	—	—	—	—	—	—	—	—	500	500	—	—	—	—	500	500	—	—	500	[illegible]	50
K MMTZ	6/18/02	OK	1.5	—	—	—	—	—	—	—	—	500	500	—	—	—	—	500	500	—	—	500	WM	114
M. Galadon	6/18/02	OK	1.5	—	—	—	—	—	—	—	—	500	500	—	—	—	—	500	500	—	—	500	MG	114
I. Enquist	6/18/02	OK	1.5	—	—	—	—	—	—	—	—	500	500	—	—	—	—	500	500	—	—	500	IE	50
S. Hibbard	6/18/02	OK	1.5	—	—	—	—	—	—	—	—	500	500	—	—	—	—	500	500	—	—	500	SH	N12

#1003-1

MAY 04 2002

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

May 2, 2002

LTR/214/02

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

re: Hewitt Pit (Project No.:1003-1 Hewitt Pit)

Dear Brian:

Please find enclosed the laboratory analysis report, quality assurance summary, and the original chain of custody form for one Tedlar bag sample received April 22, 2002.

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.

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 1, 2002
Client: GC Environmental
Project Location: Hewitt Pit Landfill
Date Received: June 19, 2002
Date Analyzed: June 19, 2002

AtmAA Lab No.:	01702-6	01702-7
Sample I.D.:	ISS Grid 22	ISS Grid 23
Components	*(Concentration in ppmv)*	
Methane	2.14	3.91
TGNMO	9.41	7.95
	(Concentration in ppbv)	
Hydrogen sulfide	<50	<50
Benzene	0.66	0.94
Benzylchloride	<0.5	<0.5
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	0.55	0.60
1,2-dibromoethane	<0.1	<0.1
Perchloroethene	1.00	0.98
Carbon tetrachloride	0.12	0.12
Toluene	4.13	5.90
1,1,1-trichloroethane	1.04	0.24
Trichloroethene	0.18	0.17
Chloroform	<0.1	0.12
Vinyl chloride	<0.1	<0.1
m+p-xylenes	20.0	3.76
o-xylene	5.42	0.98

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
Hewitt Pit	7361 Laurel Canyon Blvd.

Project No.	Field Logbook No.

Sampler: (Print)	(Signature)	No. Of Containers
Craig Markley	[signature]	2

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	1150.1 Toxicist	Methane	TNMH	TAC		Remarks
Grid 22	6-18-02	1230-1255	01702-6	10L Bag	X	X	X	X		
Grid 23	6-18-02	1230-1255	-7	10L Bag	X	X	X	X		

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	6/19/02	10:00	[signature]	6-19	10:00
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
			Kurt Jeffrig		
Relinquished by: (Signature)	Date	Time	Received for Laboratory: (Signature)	Date	Time
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

Attachment 4

INSTANTANEOUS LANDFILL SURFACE MONITORING

June 18, 2002

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RES Environmental Inc.

OVA CALIBRATION LOG

Hewitt PJ

MAKE Fox

SERIAL #

MODEL #

Operator	Date	Battery Check	Flow Meter Reading	Pressure At Bottom W.C.	Zero Reading 10 PPM	Zero Reading 100 PPM	Zero Reading 1000 PPM	CH4 Calibration Gas, Unconverted Readings Low PPM	Low ACT	Med. PPM	Med. ACT	High PPM	High ACT	CH4 Calibration Gas Converted Readings Low PPM	Low ACT	Med. PPM	Med. ACT	High PPM	High ACT	3 Pt. Calibration Check PPM	PPM	PPM	Initial Instr. OK & Appr.	Cal. Pr. #
P. Markley	6/18/02	OK	1.5	—	—	—	—	—	—	—	—	500	500	—	—	—	—	500	500	—	—	500	[illegible]	504
M. Geogei	6/18/02	OK	1.5	—	—	—	—	—	—	—	—	500	500	—	—	—	—	500	500	—	—	500	[illegible]	4811
R. Pance	6/18/02	OK	1.5	—	—	—	—	—	—	—	—	500	500	—	—	—	—	500	500	—	—	500	[illegible]	505
K Mintz	6/18/02	OK	1.5	—	—	—	—	—	—	—	—	500	500	—	—	—	—	500	500	—	—	500	WM	1142
M. Galadon	6/18/02	OK	1.5	—	—	—	—	—	—	—	—	500	500	—	—	—	—	500	500	—	—	500	MG	1142
I. Eagum	6/18/02	OK	1.5	—	—	—	—	—	—	—	—	500	500	—	—	—	—	500	500	—	—	500	IE	505
S. Hibbard	6/18/02	OK	1.5	—	—	—	—	—	—	—	—	500	500	—	—	—	—	500	500	—	—	500	SH	1121

HEWITT PIT

INSTANTANEOUS LANDFILL SURFACE MONITORING

Personnel: Craig Markley, Mike Gregori, Paul Ponce, Steven Hibbard, Kent Monte, Matt Gavaldon, ISASA Encounter

Date: 6-18-02 Instrument used:

Temperature: 75° Clear.

Wind Direction: Ave. Wind Speed (mph):

Grid ID	Staff Initials	Time Start	Time Stop	TOC ppm	Remarks
1	CM	0745	0800	5	
2	MG	0745	0800	5	
3	PP	0745	0800	5	
4	Matt	0745	0800	5	
5	SH	0745	0800	5	
6	KM	0745	0800	5	
7	IE	0745	0800	5	
8	CM	0800	0815	5	
9	MG	0800	0815	5	
10	PP	0800	0815	5	
11	Matt	0800	0815	5	
12	SH	0800	0815	5	
13	KM	0800	0815	5	
14	IE	0800	0815	5	
15	CM	0815	0830	5	
16	MG	0815	0830	5	
17	PP	0815	0830	5	
18	SH	0815	0830	5	
19	KM	0815	0830	5	

Attach Calibration Sheet
Attach site map showing grid ID

Wp:hotspots 2000.wkst

HEWITT PIT

INSTANTANEOUS LANDFILL SURFACE MONITORING

Personnel: Craig Markley, Steve Hibbard, ISASA Enrique, Mike George, Kent Montz, Paul Ponce, Matt Gravelden

Date: 6-18-02 Instrument used:

Temperature:

Wind Direction: Ave. Wind Speed (mph):

Grid ID	Staff Initials	Time Start	Time Stop	TOC ppm	Remarks
20	Matt	0815	0830	5	
21	IE	0815	0830	5	
22	CM	0830	0845	5	
23	MG	0830	0845	500	Few spots along Fenceline, and on Road
24	PP	0830	0845	5	
25	Matt	0830	0845	5	
26	SH	0830	0845	5	
27	KM	0830	0845	5	
28	IE	0830	0845	5	
29	CM	0845	0900	5	
30	MG	0845	0900	5	
31	PP	0845	0900	5	
32	Matt	0845	0900	5	
33	SH	0845	0900	5	
34	KM	0845	0900	5	
35	IE	0845	0900	5	
36	CM	0900	0915	5	
37	MG	0900	0915	5	
38	PP	0900	0915	5	

Attach Calibration Sheet
Attach site map showing grid ID

Wp:hotspots 2000.wkst

HEWITT PIT

INSTANTANEOUS LANDFILL SURFACE MONITORING

Personnel: Craig Marklex, Mike Gorgel, Paul Pance, Steven Hibbard, Kent Montz, Matt Gavaldon, ISASA Engineer

Date: 6-14-02 Instrument used:

Temperature:

Wind Direction:

Ave. Wind Speed (mph):

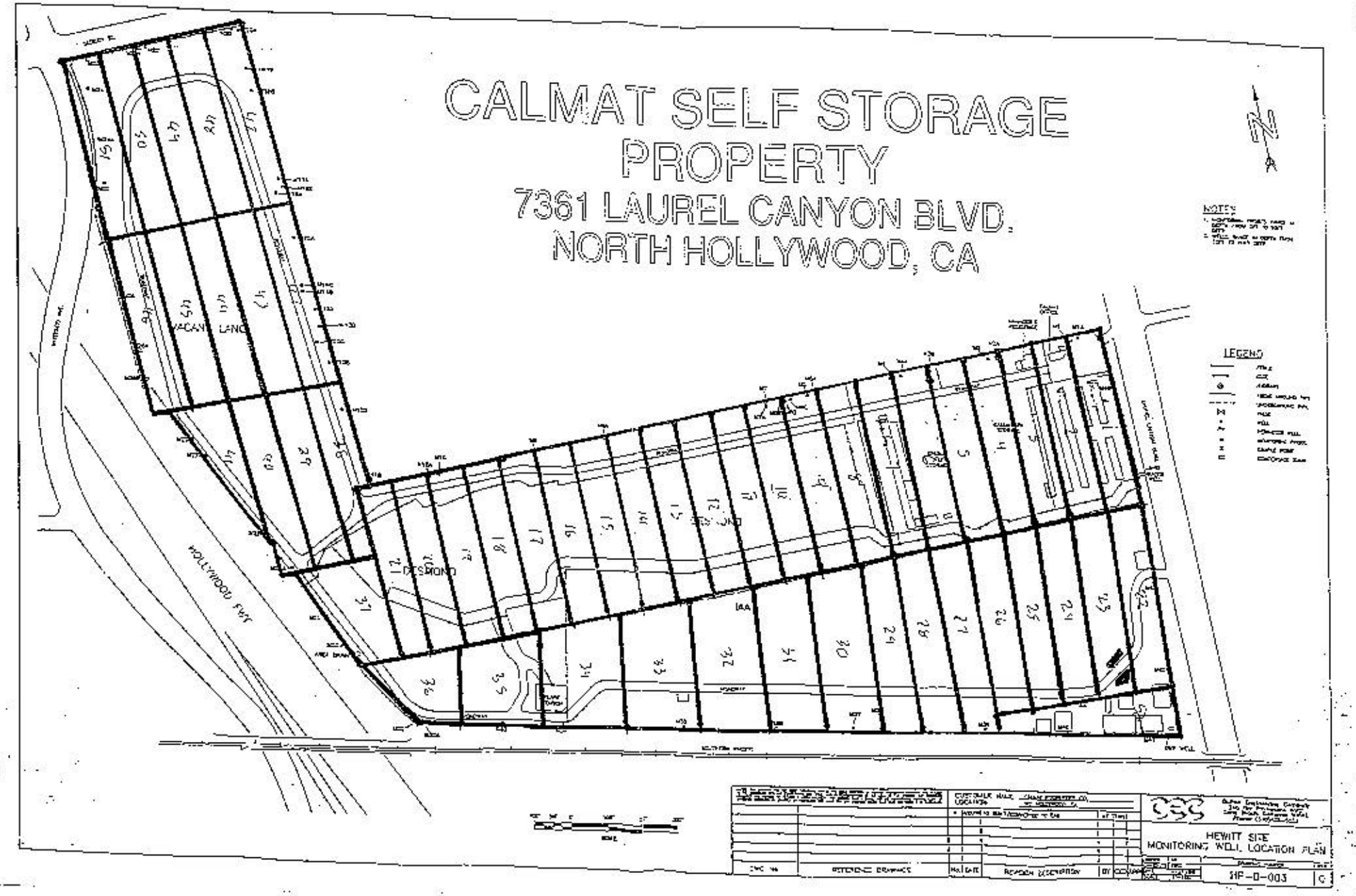
Grid ID	Staff Initials	Time Start	Time Stop	TOC ppm	Remarks
39	Matt	0900	0915	5	
40	SH	0900	0915	5	
41	Km	0900	0915	5	
42	FE	0900	0915	5	
43	CM	0915	0930	5	
44	MG	0915	0930	5	
45	PP	0915	0930	5	
46	Matt	0915	0930	5	
47	SH	0915	0930	5	
48	Km	0915	0930	5	
49	FE	0915	0930	5	
50	MG	0930	0945	5	
51	Matt	0930	0945	5	
52	Km	0930	0945	5	
[illegible]					

Attach Calibration Sheet
Attach site map showing grid ID

Wp:hotspots 2000.wkst

CALMAT SELF STORAGE PROPERTY

7361 LAUREL CANYON BLVD.
NORTH HOLLYWOOD, CA



RES Environmental Inc.

OVA CALIBRATION LOG

ISS [illegible]
Hewitt Pit

MAKE: 50x[illegible]

SERIAL #

MODEL # [illegible]

Operator	Date	Battery Check	Prior Meter Reading	Pressure at Suction W.C.	Zero Reading 10 PPM	Zero Reading 100 PPM	Zero Reading 1000 PPM	CH4 Calibration Gas, Unconstrained Readings Low PPM	Low ACT	Med. PPM	Med. ACT	High PPM	High ACT	CH4 Calibration Gas Constrained Readings Low PPM	Low ACT	Med. PPM	Med. ACT	High PPM	High ACT	3 Ft. Calibration Check PPM	PPM	PPM	Initial Instl. OC & Appr.	Comment Pressure
C. Maddy	6/18/02	OK	15	—	—	—	—	—	—	50	50	—	—	—	—	50	50	—	—	—	50		Cc	50x50

LOG OF REMEDIAL WORK FOR INSTANTANEOUS SURFACE MONITORING

Site Name: HEWITT Landfill Monitoring Period: 6-18-02 Personnel: Craig Markley

	INITIAL MONITORING			FIRST	SECOND MONITORING		SECOND	THIRD MONITORING	
Grid No.	Date	Toc		Remedial work	Date	Toc	Remedial work	Date	Toc
23	6-18-02	500		TARP	6-18-02	300.			

1. Monitoring Date
2. TOC Reading in PPM

Signature: [illegible]

Attachment 5

TOXIC AIR CONTAMINANTS (TAC) LABORATORY RESULTS

Probe 11B - April 22, 2002

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#1003-1

MAY 04 2002

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

May 2, 2002

LTR/214/02

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

re: Hewitt Pit (Project No.:1003-1 Hewitt Pit)

Dear Brian:

Please find enclosed the laboratory analysis report, quality assurance summary, and the original chain of custody form for one Tedlar bag sample received April 22, 2002.

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.

Sincerely,

AtmAA, Inc.

Michael L. Porter
Laboratory Director

Encl.
MLP/bwf

AtmAA Inc.
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laboratory services

LABORATORY ANALYSIS REPORT

SCAQMD Rule 1150.1 Components Analysis in Probe Tedlar Bag Sample

Report Date: May 2, 2002
Client: GC Environmental
Project Location: Hewitt Pit LF, North Hollywood
Client Project No.: 1003-1
Date Received: April 22, 2002
Date Analyzed: April 22 & 23, 2002

AtmAA Lab No.:	01122-9
Sample I.D.:	Probe 11B
	HP-11B
Components	(Concentration in %,v)
Nitrogen	76.1
Oxygen	20.0
Carbon dioxide	1.24
	(Concentration in ppmv)
Methane	5.19
TGNMO	24.4
Hydrogen sulfide	<0.5
	(Concentration in ppbv)
Benzene	3.87
Benzylchloride	<0.8
Chlorobenzene	<0.2
Dichlorobenzenes*	1.40
1,1-dichloroethane	0.76
1,2-dichloroethane	<0.2
1,1-dichloroethylene	1.46
Dichloromethane	2.76
1,2-dibromoethane	0.46
Perchloroethene	6.09
Carbon tetrachloride	<0.2
Toluene	47.0
1,1,1-trichloroethane	36.8
Trichloroethene	0.88
Chloroform	2.04
Vinyl chloride	<0.2
m + p-xylenes	39.3
o-xylene	9.77

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. Portel
Laboratory Director

QUALITY ASSURANCE SUMMARY

(Repeat Analyses)

Client Project No.: 1003-1
Date Received: April 22, 2002
Date Analyzed: April 22 & 23, 2002

Components	Sample ID	Repeat Analysis Run #1	Repeat Analysis Run #2	Mean Conc.	% Diff. From Mean
		(Concentration in %,v)			
Nitrogen	HP-11B	76.1	76.1	76.1	0.0
Oxygen	HP-11B	20.0	20.1	20.0	0.25
Carbon dioxide	HP-11B	1.25	1.24	1.24	0.40
		(Concentration in ppmv)			
Methane	HP-11B	5.18	5.20	5.19	0.19
TGNMO	HP-11B	23.6	25.2	24.4	3.3
Hydrogen sulfide	HP-11B	<0.5	<0.5	---	---
		(Concentration in ppbv)			
Benzene	HP-11B	3.98	3.76	3.87	2.8
Benzylchloride	HP-11B	<0.8	<0.8	---	---
Chlorobenzene	HP-11B	<0.2	<0.2	---	---
Dichlorobenzenes	HP-11B	1.45	1.36	1.40	3.2
1,1-dichloroethane	HP-11B	0.78	0.73	0.76	3.3
1,2-dichloroethane	HP-11B	<0.2	<0.2	---	---
1,1-dichloroethylene	HP-11B	1.52	1.39	1.46	4.5
Dichloromethane	HP-11B	2.90	2.62	2.76	5.1
1,2-dibromoethane	HP-11B	0.47	0.44	0.46	3.3
Perchloroethene	HP-11B	6.31	5.87	6.09	3.6
Carbon tetrachloride	HP-11B	<0.2	<0.2	---	---
Toluene	HP-11B	48.0	46.9	47.0	2.2

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	HP-11B	37.3	36.4	36.8	1.2
Trichloroethene	HP-11B	0.90	0.87	0.88	1.7
Chloroform	HP-11B	2.07	2.01	2.04	1.5
Vinyl chloride	HP-11B	<0.2	<0.2	---	---
m + p-xylenes	HP-11B	39.6	39.0	39.3	0.76
o-xylene	HP-11B	10.0	9.54	9.77	2.4

One Tedlar bag sample, laboratory number 01122-9, 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 18 repeat measurements from the one Tedlar bag sample is 2.2%.

CHAIN OF CUSTODY RECORD

Client/Project Name	Project Location
GC Environmental, Inc. / Hewitt Pit Landfill	No. Hollywood, CA
Project No.	**Field Logbook No.**
1003-1	
Sampler: (Signature)	**Chain of Custody Tape No.**
B. Millage	

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	Permanent Gases	TGNMO	1150.1 List				REMARKS
HP-11B (Probe 11B)	4/22/02	2:00 PM	HP-11B 01122-9	1 Liter Tedlar Bag							

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
B. Millage	4/22/02	2:10 PM			
Relinquished by: (Signature)	**Date**	**Time**	**Received by: (Signature)**	**Date**	**Time**
Relinquished by: (Signature)	**Date**	**Time**	**Received for Laboratory: (Signature)**	**Date**	**Time**
				4/22/02	2:10 pm
Sample Disposal Method:	**Disposed of by: (Signature)**			**Date**	**Time**

SAMPLE COLLECTOR	ANALYTICAL LABORATORY	P.O.#
Brian Millage GC Environmental, Inc 1230 N. Jefferson St. #J Anaheim, CA 92807 Tel. (714) 632-9969	AtmAA, Inc.	02-023 BM

1974-3-84