QUARTERLY AIR QUALITY MONITORING REPORT FOR THE HEWITT PIT LANDFILL

1st and 2nd Quarters
January through June, 2000

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
July 2000

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SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
1150.1 QUARTERLY MONITORING REPORT FOR THE
HEWITT PIT LANDFILL
FIRST AND SECOND QUARTERS, 2000

Prepared for:
CALMAT PROPERTIES
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Project 1003-1

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AIR QUALITY MONITORING REPORT

for the

HEWITT PIT LANDFILL

Project Number 1003-1
January through June 2000

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1.0 INTRODUCTION

This Quarterly Air Quality Monitoring Report has been prepared for the Hewitt Pit Landfill in accordance with the South Coast Air Quality Management District's (SCAQMD) Rule 1150.1, and to meet the conditions set forth in the Rule 1150.1 Compliance Plan issued on December 17, 1999. No exceedances were measured in any of the testing performed.

The conditions of the plan call for the following activities:

Subsurface Refuse Boundary Probe Monitoring is required monthly. Data for the first six months of year 2000 is included in this report. All probes are monitored for constituents as required by Rule 1150.1, with equipment acceptable to SCAQMD standards. At a minimum, probes are monitored for percent methane, percent oxygen, and pressure (inches of water column) using the appropriate equipment. Locations of the monitoring probes are shown on **Figure 2**.

Integrated Surface Sampling, as required by Rule 1150.1, Attachment A, Section 2, is required annually and is included in this report.

Instantaneous Surface Emissions Monitoring is to be conducted over the entire surface of the landfill using equipment acceptable to SCAQMD for this type of monitoring, to measure constituents as required by Rule 1150.1. This monitoring is to be performed quarterly and is included in this report. A closed landfill that has three consecutive monitoring events of less than 500 ppm may monitor annually.

Subsurface Refuse Boundary Probe Sampling as required by Rule 1150.1 to determine the concentrations of Total Organic Compounds (TOC) and Toxic Air Compounds (TAC) is required to be performed annually and is included in this report.

Main Gas Collection Header Sampling to determine the concentrations of TOC and TAC is required annually and is not included in this quarter.

Flare Source Test to confirm required NMOC reduction is required annually and is not included in this quarter.

This report includes compilation and documentation of the results of the monitoring events for the first and second quarters 2000, 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 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 ppm.

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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 rotometer to measure air flow 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. Ten percent of all samples which had a TOC concentration greater than 50 ppm, or a minimum of 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 was less than 5 ppm. Lab results are in **Attachment 2.**

2.3 Instantaneous Landfill Surface Monitoring

Instantaneous surface monitoring (ISM) was conducted over the entire disposal area which is accessible. ISM was conducted to identify locations where excessive landfill gas emissions are occurring. The gases are monitored as they pass through the landfill cap and enter the atmosphere. ISM is also conducted to identify areas in the landfill cap where fissures, cracks, or other signs of cap failure have occurred.

Landfill gas emissions were measured approximately 2 to 3 inches above the landfill surface and tested for total organic compounds (TOC) as methane. Emissions are 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 128 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:

Ranges	:	0 to 10 ppm
	:	0 to 100 ppm
	:	0 to 1000 ppm
Minimum detectable limit	:	1 ppm
Sensitivity	:	0.1 ppm methane
Response time	:	Less than 2 seconds
Flame out indicator	:	Audible alarm plus visual meter
Accuracy	:	± 5% of individual scale
Operating temperature	:	10 to 40 deg. Centigrade

Operating Procedures

The Foxboro Century Organic Vapor Analyzer 128 (OVA) was activated and calibrated using 50 and 500 parts per million (ppm) 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 2 to 3 inches above the landfill surface at a speed of 1 to 2 feet per second. The concentration of TOC as methane in ppm was recorded every 150 to 250 feet, at unusual readings or cap failure, whenever a reading exceeds 500 ppm. 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 ppm or greater, or where the signs of cap failure existed, the area would be flagged and the landfill operations manager would be notified. The cap would then be repaired, the measurement would be repeated, and the final reading recorded at the completion of ISM.

2.4 Subsurface Boundary Probe Sampling

A gas sample from the subsurface boundary probe with the highest measured methane content was collected and sent under chain of custody to a lab for analysis.

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Equipment Description

Gas sample was collected in a Tedlar bag. Prior to sample collection two probe volumes were evaluated using a portable vacuum pump. The Tedlar bag was then connected to the pump to allow the bag to be filled. The sample was analyzed for TAC.

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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. Methane was not detected above the instrument detection limit at any probe during the monitorings except at probe number 9 on March 28, 2000, 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 during the period of June 22 to June 28, 2000, as follows:

DATE	GRIDS	TOC RANGE PPMV
June 22, 2000	1-18	4-5
June 23, 2000	19-37	3-5
June 23, 2000	42-44	3-4
June 23, 2000	47-52	3-4
June 28, 2000	38-41	3-5
June 28, 2000	45,46	3-4

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 40 and number 41 on June 28, 2000. 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 June 28, 2000. Instantaneous surface monitoring grids are shown on **Figure 1**.

There were no TOC concentration readings that exceeded the established regulatory standard of 500 ppmv during the June 28, 2000, monitoring event. ISM data for this event are 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 6 miles per hour.

3.4 Subsurface Boundary Probe Sampling

The results of the TAC analysis are included in **Attachment 5**. The methane and non-methane organic compounds as C_1 were less than 14 ppm combined.

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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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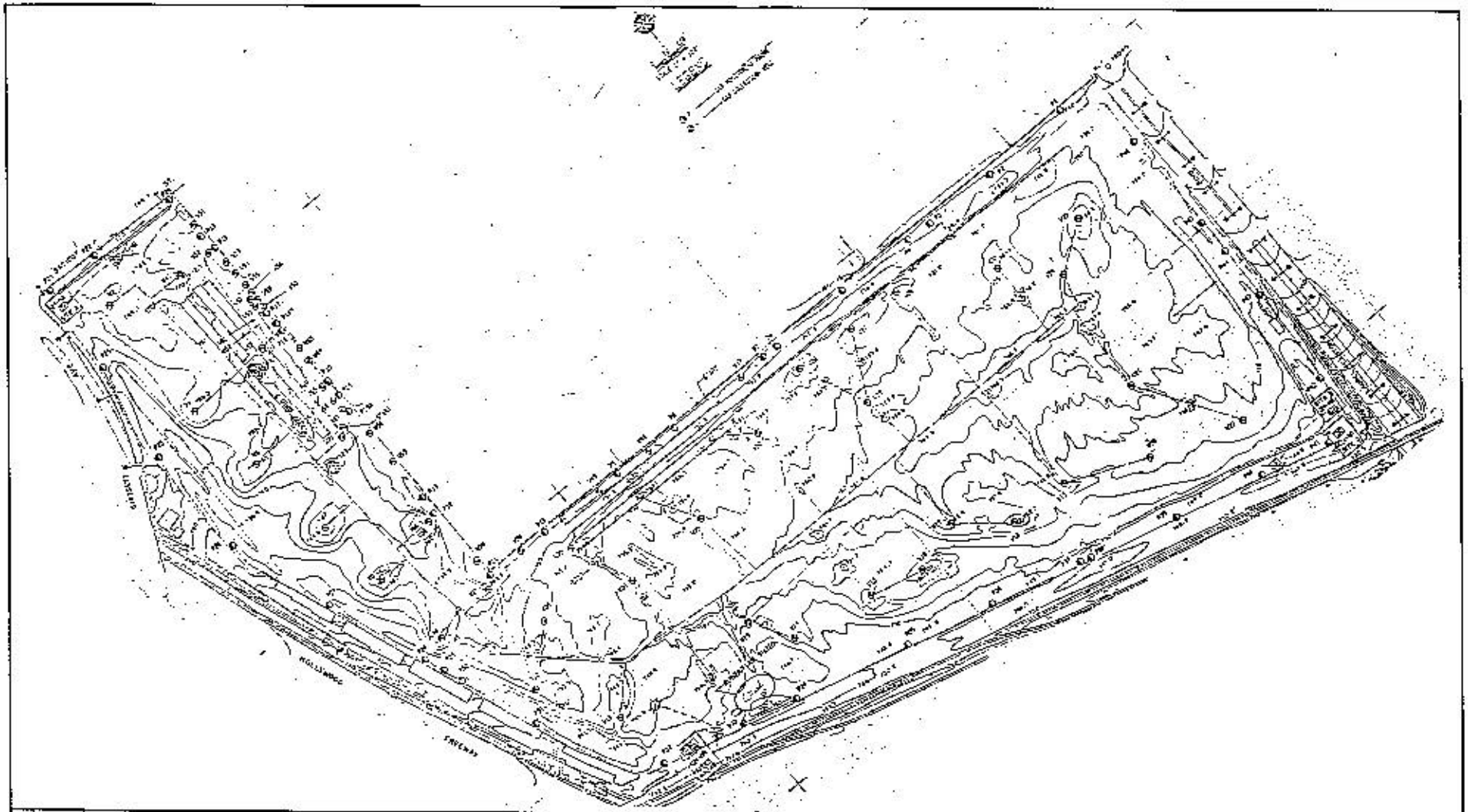


REV.	DATE	DESCRIPTION	BY

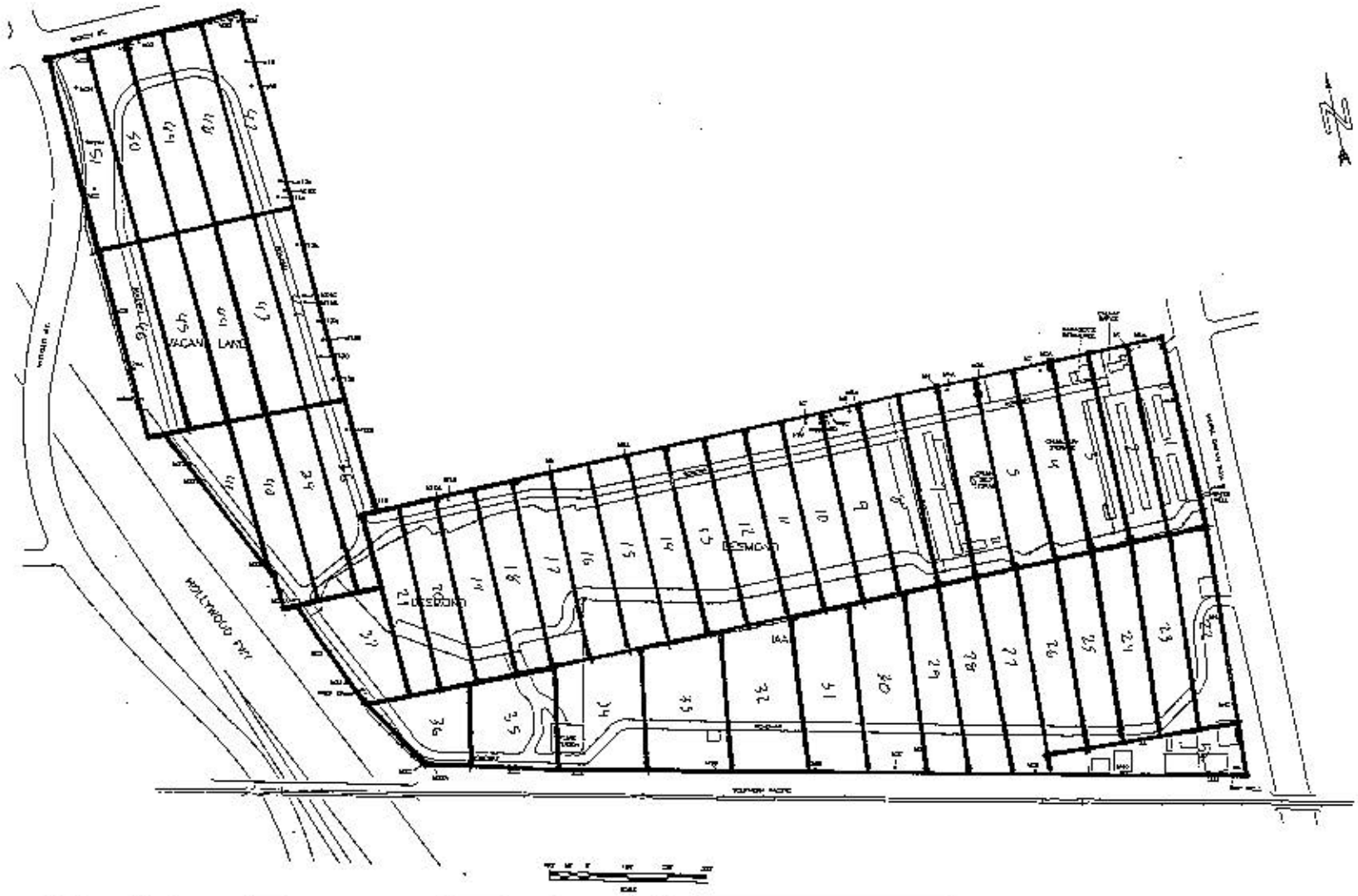
ENGINEER: GC ENVIRONMENTAL, INC.
1230 NORTH JEFFERSON ST. SUITE J
ANAHEIM CA. 92807, (714) 632-9968

PROJECT LOCATION: HEWITT PIT LANDFILL
N. HOLLYWOOD, CA

DESCRIPTION: GAS MONITORING PROBE LOCATIONS

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

SHEET: FIG. 2



REV.	DATE	DESCRIPTION	BY

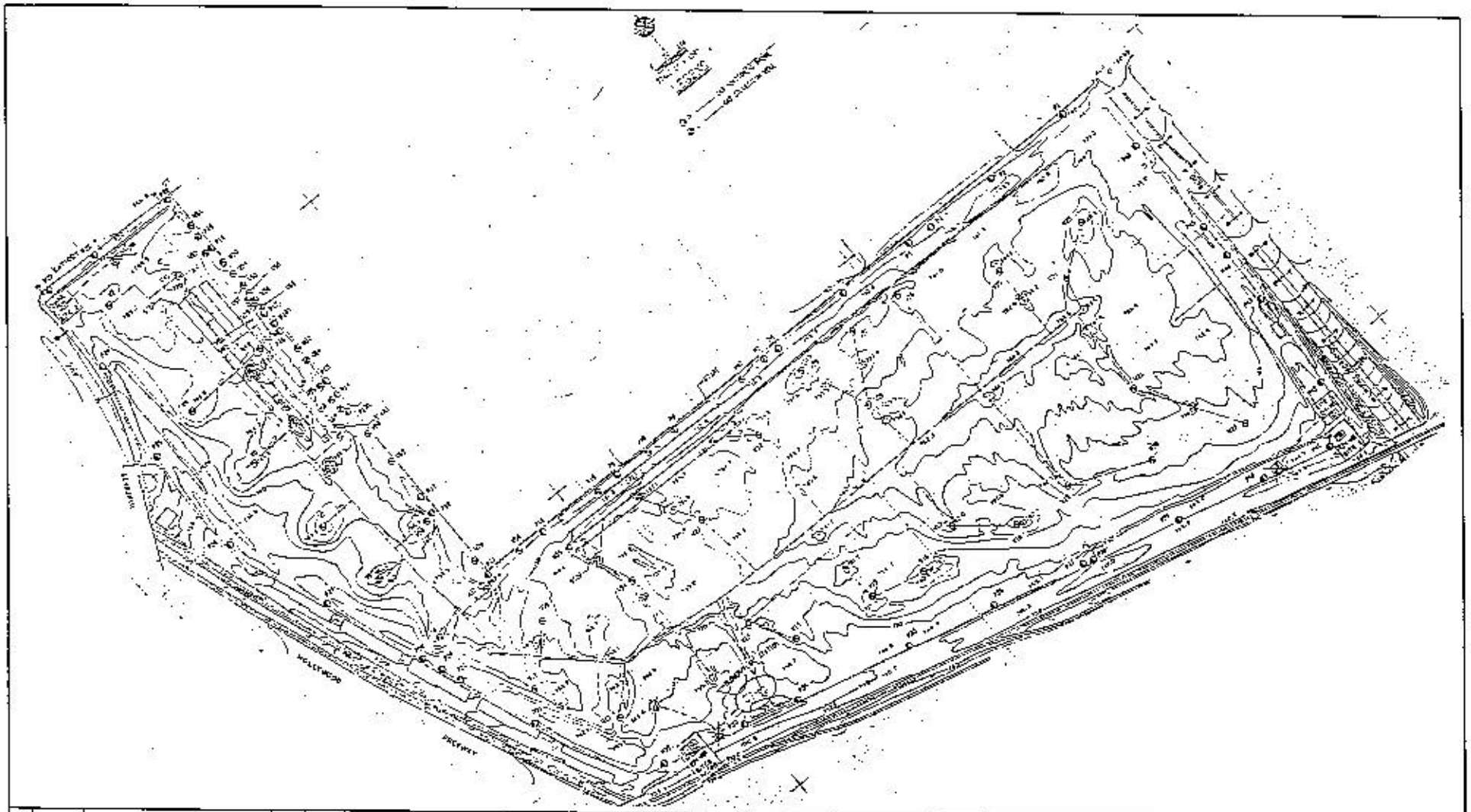
ENGINEER: GC ENVIRONMENTAL, INC.
1220 NORTH JEFFERSON ST. SUITE J
ANAHEIM CA, 92807, (714) 637-8802

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

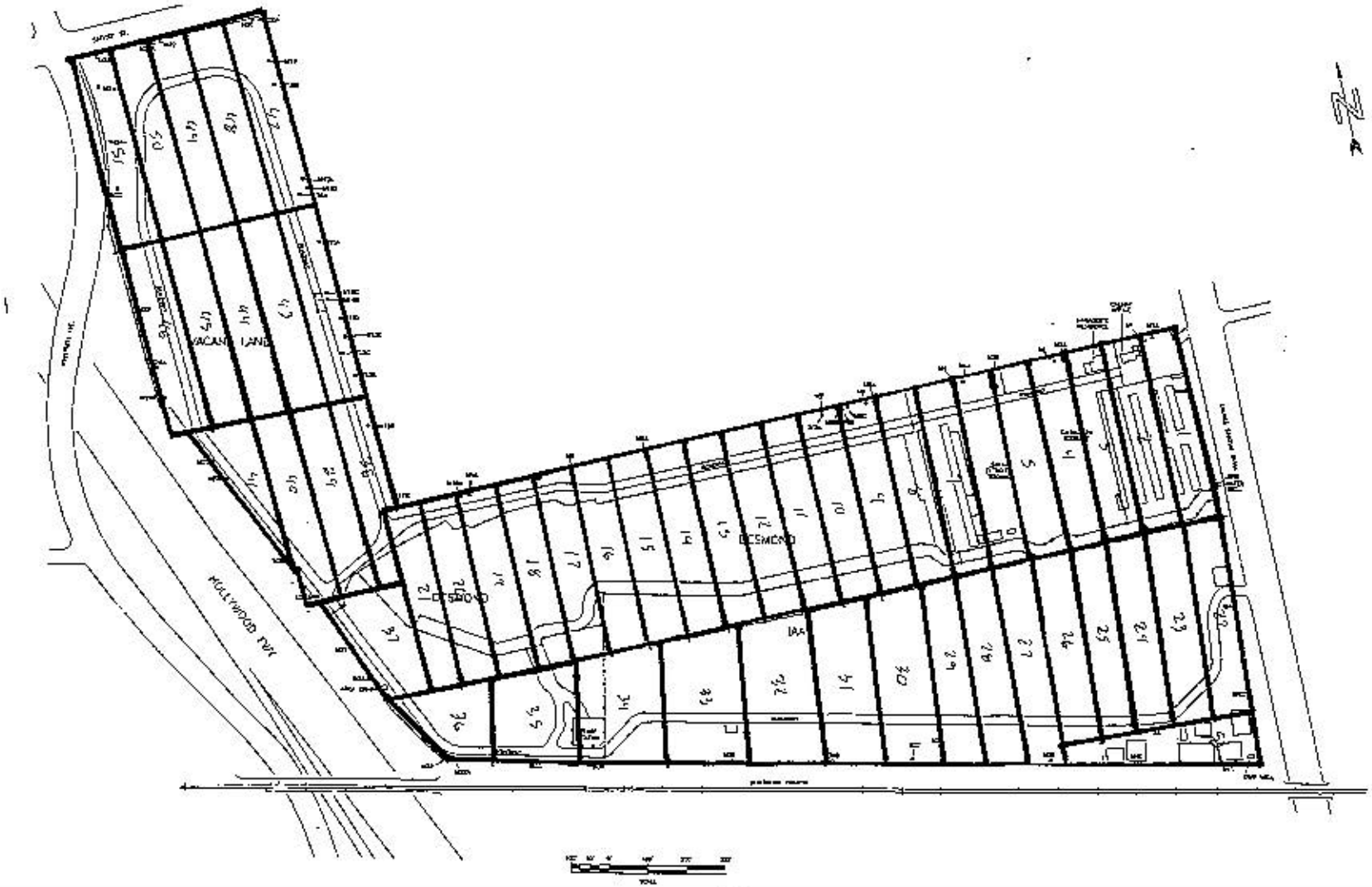
ENGINEER: GC ENVIRONMENTAL, INC.
3230 NORTH JEFFERSON ST. SUITE A
ANAHEIM CA, 92807, (714) 632-5969

PROJECT LOCATION: HEWITT PIT LANDFILL
N. HOLLYWOOD, CA

DESCRIPTION: GAS MONITORING PROBE LOCATIONS

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

SHEET: FIG. 2



NO.	DATE	DESCRIPTION	BY

ENGINEER: GC ENVIRONMENTAL, INC.
1233 NORTH JEFFERSON ST. SUITE J
ANAHEIM CA, 92807, (714) 637-8869

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

DESCRIPTION: ISM & ISS GRID LOCATIONS

PROJECT NO 1033-1 | REF. DWGS. | FILE NAME

SHEET: FIG. 1

Attachment 1

GAS MONITORING

PROBE DATA

January 4, 2000 to June 6, 2000

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TABLE 1. Hewitt Pit Monitoring Probe Data

0789003.00

Monitoring Probe	DATE	Methane [%vol]	Oxygen [%vol]	Pressure [in-W.C.]	COMMENTS
1	01/04/2000	ND	20.3	ND	
	01/11/2000	ND	20.3	0.02	
	01/18/2000	ND	20.9	-0.01	
	01/25/2000	ND	20.5	-0.04	
	02/01/2000	ND	20.0	ND	
	02/08/2000	ND	20.1	ND	
	02/15/2000	ND	20.3	ND	
	02/22/2000	ND	20.4	-0.1	
	02/29/2000	ND	20.7	ND	
	03/07/2000	ND	19.8	ND	
	03/14/2000	ND	18.3	ND	
	03/21/2000	ND	20.4	ND	
	03/28/2000	ND	17.5	ND	
	04/04/2000	ND	20.6	ND	
	04/11/2000	ND	17.6	ND	
	04/18/2000	ND	20.4	ND	
	04/25/2000	ND	20.8	ND	
	05/02/2000	ND	20.8	ND	
	05/09/2000	ND	17.2	ND	
	05/16/2000	ND	20.8	ND	
	05/23/2000	ND	20.8	0.02	
	05/30/2000	ND	20.6	ND	
	06/06/2000	ND	16.8	ND	
1A	01/04/2000	ND	20.9	ND	
	01/11/2000	ND	19.3	0.04	
	01/18/2000	ND	20.1	-0.01	
	01/25/2000	ND	20.3	-0.01	
	02/01/2000	ND	20.0	ND	
	02/08/2000	ND	19.7	ND	
	02/15/2000	ND	19.8	ND	
	02/22/2000	ND	19.7	-0.04	
	02/29/2000	ND	19.4	-0.02	
	03/07/2000	ND	19.3	ND	
	03/14/2000	ND	20.1	ND	
	03/21/2000	ND	17.9	0.01	
	03/28/2000	ND	20.1	ND	
	04/04/2000	ND	18.2	ND	
	04/11/2000	ND	20.7	ND	
	04/18/2000	ND	17.4	ND	
	04/25/2000	ND	17.4	ND	
	05/02/2000	ND	17.1	0.04	
	05/09/2000	ND	17.5	ND	
	05/16/2000	ND	16.9	ND	
	05/23/2000	ND	18.3	ND	
	05/30/2000	ND	16.4	ND	
	06/06/2000	ND	17.3	ND	
2	01/04/2000	ND	21.1	ND	
	01/11/2000	ND	19.1	ND	
	01/18/2000	ND	20.9	ND	
	01/25/2000	ND	20.6	ND	

TR-Trace Amounts Detected
ND=None Detected
%-vol=Percent by Volume

NT-Not Taken
in-W.C.=Inches of Water Column

TABLE 1. Hewitt Pit Monitoring Probe Data 0789003.00

Monitoring Probe	DATE	Methane [%vol]	Oxygen [%vol]	Pressure [in-W.C.]	COMMENTS
2	02/01/2000	ND	20.0	ND	
	02/08/2000	ND	20.2	ND	
	02/15/2000	ND	20.0	ND	
	02/22/2000	ND	20.2	ND	
	02/29/2000	ND	20.3	ND	
	03/07/2000	ND	20.9	ND	
	03/14/2000	ND	17.9	ND	
	03/21/2000	ND	18.1	ND	
	03/28/2000	ND	18.6	ND	
	04/04/2000	ND	19.7	-0.02	
	04/11/2000	ND	20.3	ND	
	04/18/2000	ND	19.2	-0.02	
	04/25/2000	ND	19.5	ND	
	05/02/2000	ND	15.3	ND	
	05/09/2000	ND	18.7	ND	
	05/16/2000	ND	20.6	ND	
	05/23/2000	ND	20.8	ND	
	05/30/2000	ND	20.0	ND	
	06/06/2000	ND	20.1	ND	
2A	01/04/2000	ND	20.9	ND	
	01/11/2000	ND	18.4	0.01	
	01/18/2000	ND	20.2	ND	
	01/25/2000	ND	20.6	-0.03	
	02/01/2000	ND	20.0	ND	
	02/08/2000	ND	20.2	ND	
	02/15/2000	ND	20.0	ND	
	02/22/2000	ND	20.2	-0.01	
	02/29/2000	ND	19.5	ND	
	03/07/2000	ND	20.6	ND	
	03/14/2000	ND	16.4	ND	
	03/21/2000	ND	15.6	ND	
	03/28/2000	ND	14.2	ND	
	04/04/2000	ND	19.2	ND	
	04/11/2000	ND	20.5	ND	
	04/18/2000	ND	19.4	ND	
	04/25/2000	ND	19.9	ND	
	05/02/2000	ND	15.8	ND	
	05/09/2000	ND	17.7	ND	
	05/16/2000	ND	19.1	ND	
	05/23/2000	ND	20.8	ND	
	05/30/2000	ND	17.3	ND	
	06/06/2000	ND	18.3	ND	
3B	01/04/2000	ND	21.0	ND	
	01/11/2000	ND	20.2	ND	
	01/18/2000	ND	17.1	0.02	
	01/25/2000	ND	18.9	ND	
	02/01/2000	ND	19.7	ND	
	02/08/2000	ND	17.4	0.01	
	02/15/2000	ND	20.3	ND	
	02/22/2000	ND	20.4	ND	

TR=Trace Amounts Detected
ND=None Detected NT=Not Taken
%-vol=Percent by Volume in-W.C.=Inches of Water Column

TABLE 1. Howitt Pit Monitoring Probe Data

0789003.00

Monitoring Probe	DATE	Methane [%vol]	Oxygen [%vol]	Pressure [in-W.C.]	COMMENTS
3B	02/29/2000	ND	20.6	ND	
	03/07/2000	ND	20.8	ND	
	03/14/2000	ND	17.6	ND	
	03/21/2000	ND	18.2	ND	
	03/28/2000	ND	12.0	ND	
	04/04/2000	ND	18.8	ND	
	04/11/2000	ND	19.8	ND	
	04/18/2000	ND	20.4	ND	
	04/25/2000	ND	20.1	ND	
	05/02/2000	ND	13.2	ND	
	05/09/2000	ND	18.4	ND	
	05/16/2000	ND	20.9	ND	
	05/23/2000	ND	20.1	ND	
	05/30/2000	ND	20.4	ND	
	06/06/2000	ND	17.6	ND	
4	01/04/2000	ND	19.3	ND	
	01/11/2000	ND	18.6	ND	
	01/18/2000	ND	19.3	0.02	
	01/25/2000	ND	20.3	ND	
	02/01/2000	ND	20.0	ND	
	02/08/2000	ND	20.1	-0.02	
	02/15/2000	ND	20.1	ND	
	02/22/2000	ND	17.7	ND	
	02/29/2000	ND	20.3	ND	
	03/07/2000	ND	20.1	ND	
	03/14/2000	ND	20.9	ND	
	03/21/2000	ND	17.6	0.04	
	03/28/2000	ND	20.8	ND	
	04/04/2000	ND	19.3	0.04	
	04/11/2000	ND	20.6	ND	
	04/18/2000	ND	17.8	-0.02	
	04/25/2000	ND	19.2	ND	
	05/02/2000	ND	18.8	0.04	
	05/09/2000	ND	20.8	ND	
	05/16/2000	ND	19.3	ND	
	05/23/2000	ND	19.6	ND	
	05/30/2000	ND	20.8	ND	
	06/06/2000	ND	19.2	ND	
4A	01/04/2000	ND	20.5	ND	
	01/11/2000	ND	17.9	ND	
	01/18/2000	ND	19.1	0.03	
	01/25/2000	ND	20.9	ND	
	02/01/2000	ND	19.8	ND	
	02/08/2000	ND	19.7	-0.02	
	02/15/2000	ND	19.9	ND	
	02/22/2000	ND	18.8	ND	
	02/29/2000	ND	20.7	ND	
	03/07/2000	ND	20.7	ND	
	03/14/2000	ND	15.2	ND	
	03/21/2000	ND	15.7	0.02	

TR=Trace Amounts Detected
ND=None Detected
%-vol=Percent by Volume
NT=Not Taken
in-W.C.=Inches of Water Column

TABLE 1. Hewitt Pit Monitoring Probe Data

0789003.00

Monitoring Probe	DATE	Methane [%vol]	Oxygen [%vol]	Pressure [in-W.C.]	COMMENTS
4A	03/26/2000	ND	20.0	ND	
	04/04/2000	ND	20.3	ND	
	04/11/2000	ND	19.5	ND	
	04/18/2000	ND	17.4	-0.04	
	04/25/2000	ND	19.9	ND	
	05/02/2000	ND	18.6	ND	
	05/09/2000	ND	18.1	ND	
	05/16/2000	ND	19.5	ND	
	05/23/2000	ND	20.6	ND	
	05/30/2000	ND	19.2	ND	
	06/06/2000	ND	18.1	ND	
5	01/04/2000	ND	21.1	0.04	
	01/11/2000	ND	20.0	-0.06	
	01/18/2000	ND	20.9	-0.02	
	01/25/2000	ND	20.8	-0.03	
	02/01/2000	ND	20.0	ND	
	02/08/2000	ND	20.3	0.03	
	02/15/2000	ND	12.9	ND	
	02/22/2000	ND	20.0	-0.14	
	02/29/2000	ND	12.2	0.01	
	03/07/2000	ND	20.8	ND	
	03/14/2000	ND	5.6	ND	
	03/21/2000	ND	20.4	ND	
	03/28/2000	ND	10.9	ND	
	04/04/2000	ND	19.0	0.11	
	04/11/2000	ND	20.6	ND	
	04/18/2000	ND	18.6	-0.12	
	04/25/2000	ND	20.6	ND	
	05/02/2000	ND	15.4	0.01	
	05/09/2000	ND	19.2	-0.04	
	05/16/2000	ND	20.8	-0.08	
	05/23/2000	ND	20.8	-0.08	
	05/30/2000	ND	20.6	ND	
	06/06/2000	ND	20.5	-0.04	
5A	01/04/2000	ND	21.2	ND	
	01/11/2000	ND	18.8	-0.02	
	01/18/2000	ND	20.4	ND	
	01/25/2000	ND	20.3	-0.01	
	02/01/2000	ND	20.0	ND	
	02/08/2000	ND	20.0	ND	
	02/15/2000	ND	19.3	ND	
	02/22/2000	ND	17.9	-0.02	
	03/29/2000	ND	18.4	ND	
	03/07/2000	ND	20.9	ND	
	03/14/2000	ND	11.1	ND	
	03/21/2000	ND	13.2	ND	
	03/28/2000	ND	12.6	ND	
	04/04/2000	ND	19.2	0.04	
	04/11/2000	ND	20.8	ND	
	04/18/2000	ND	17.4	-0.04	

TR=Trace Amounts Detected
ND=None Detected
%-vol=Percent by Volume
NT=Not Taken
in-W.C.=Inches of Water Column

TABLE 1. Hewitt Pit Monitoring Probe Data

0789003.00

Monitoring Probe	DATE	Methane [%vol]	Oxygen [%vol]	Pressure [in-W.C.]	COMMENTS
5A	04/25/2000	ND	20.8	ND	
	05/02/2000	ND	18.3	ND	
	05/09/2000	ND	19.8	ND	
	05/16/2000	ND	20.2	-0.02	
	05/23/2000	ND	19.9	ND	
	05/30/2000	ND	20.2	ND	
	06/06/2000	ND	20.6	ND	
6B	01/04/2000	ND	20.7	ND	
	01/11/2000	ND	19.4	-0.10	
	01/18/2000	ND	20.8	ND	
	01/25/2000	ND	20.9	ND	
	02/01/2000	ND	19.1	ND	
	02/08/2000	ND	19.7	0.09	
	02/15/2000	ND	18.7	ND	
	02/22/2000	ND	19.4	-0.15	
	02/29/2000	ND	19.6	0.02	
	03/07/2000	ND	20.9	ND	
	03/14/2000	ND	16.3	ND	
	03/21/2000	ND	16.7	ND	
	03/28/2000	ND	18.6	ND	
	04/04/2000	ND	18.2	0.08	
	04/11/2000	ND	19.2	ND	
	04/18/2000	ND	19.6	-0.05	
	04/25/2000	ND	18.6	ND	
	05/02/2000	ND	18.1	0.06	
	05/09/2000	ND	19.0	ND	
	05/16/2000	ND	19.1	-0.08	
	05/23/2000	ND	18.7	-0.08	
	05/30/2000	ND	20.1	ND	
	06/06/2000	ND	19.0	ND	
6C	01/04/2000	ND	20.1	-0.10	
	01/11/2000	ND	17.5	ND	
	01/18/2000	ND	17.8	0.02	
	01/25/2000	ND	20.1	ND	
	02/01/2000	ND	17.2	ND	
	02/08/2000	ND	17.4	-0.01	
	02/15/2000	ND	17.3	ND	
	02/22/2000	ND	16.8	ND	
	02/29/2000	ND	16.8	0.01	
	03/07/2000	ND	14.4	ND	
	03/14/2000	ND	16.9	ND	
	03/21/2000	ND	16.2	ND	
	03/28/2000	ND	20.1	ND	
	04/04/2000	ND	16.6	ND	
	04/11/2000	ND	17.1	ND	
	04/18/2000	ND	16.5	ND	
	04/25/2000	ND	16.8	ND	
	05/02/2000	ND	16.2	ND	
	05/09/2000	ND	17.8	ND	
	05/16/2000	ND	16.3	ND	

TR=Trace Amounts Detected
ND=None Detected
%-vol=Percent by Volume

NT=Not Taken
in-W.C.=Inches of Water Column

TABLE 1. Hewitt Pit Monitoring Probe Data

0789003.00

Monitoring Probe	DATE	Methane [%vol]	Oxygen [%vol]	Pressure [in-W.C.]	COMMENTS
6C	05/23/2000	ND	18.6	ND	
	05/30/2000	ND	20.5	ND	
	06/06/2000	ND	17.6	0.06	
6D	01/04/2000	ND	21.2	ND	
	01/11/2000	ND	20.1	-0.08	
	01/18/2000	ND	19.1	-0.02	
	01/25/2000	ND	19.6	ND	
	02/01/2000	ND	19.8	ND	
	02/08/2000	ND	19.8	ND	
	02/15/2000	ND	20.1	ND	
	02/22/2000	ND	20.2	-0.10	
	02/29/2000	ND	20.3	ND	
	03/07/2000	ND	20.2	ND	
	03/14/2000	ND	19.5	ND	
	03/21/2000	ND	18.8	-0.04	
	03/28/2000	ND	19.7	ND	
	04/04/2000	ND	18.2	0.02	
	04/11/2000	ND	20.7	ND	
	04/18/2000	ND	18.5	-0.12	
	04/25/2000	ND	18.9	-0.2	
	05/02/2000	ND	18.2	ND	
	05/09/2000	ND	18.8	ND	
	05/16/2000	ND	20.1	-0.06	
	05/23/2000	ND	20.0	ND	
	05/30/2000	ND	20.0	ND	
	06/06/2000	ND	19.5	-0.04	
7	01/04/2000	ND	21.1	ND	
	01/11/2000	ND	20.6	ND	
	01/18/2000	ND	20.9	ND	
	01/25/2000	ND	20.3	ND	
	02/01/2000	ND	20.0	ND	
	02/08/2000	ND	20.3	0.02	
	02/15/2000	ND	19.9	ND	
	02/22/2000	ND	20.5	0.02	
	02/29/2000	ND	20.8	ND	
	03/07/2000	ND	20.6	ND	
	03/14/2000	ND	20.4	ND	
	03/21/2000	ND	20.9	ND	
	03/28/2000	ND	20.8	ND	
	04/04/2000	ND	20.8	0.12	
	04/11/2000	ND	20.7	ND	
	04/18/2000	ND	20.6	2.0	
	04/25/2000	ND	20.8	ND	
	05/02/2000	ND	20.4	0.03	PARTIALLY PLUGGED
	05/09/2000	ND	20.8	0.74	
	05/16/2000	ND	20.9	ND	
	05/23/2000	ND	20.9	-0.13	
	05/30/2000	ND	20.7	ND	
	06/06/2000	ND	20.8	1.52	

TR=Trace Amounts Detected
ND=None Detected
%-vol=Percent by Volume
NT=Not Taken
in-W.C.=Inches of Water Column

TABLE 1. Hewitt Pit Monitoring Probe Data

0789003.00

Monitoring Probe	DATE	Methane (%vol)	Oxygen (%vol)	Pressure (in-W.C.)	COMMENTS
7A	01/04/2000	ND	21.2	ND	
	01/11/2000	ND	20.5	ND	
	01/18/2000	ND	20.9	ND	
	01/25/2000	ND	19.9	ND	
	02/01/2000	ND	20.0	ND	
	02/08/2000	ND	20.2	ND	
	02/15/2000	ND	20.1	ND	
	02/22/2000	ND	20.4	ND	
	02/29/2000	ND	20.7	ND	
	03/07/2000	ND	20.9	ND	
	03/14/2000	ND	20.6	ND	
	03/21/2000	ND	20.8	ND	
	03/28/2000	ND	20.8	ND	
	04/04/2000	ND	20.8	ND	
	04/11/2000	ND	20.6	ND	
	04/18/2000	ND	20.5	-0.07	
	04/25/2000	ND	20.6	ND	
	05/02/2000	ND	20.4	0.02	
	05/09/2000	ND	20.8	ND	
	05/16/2000	ND	20.9	ND	
	05/23/2000	ND	20.9	ND	
	05/30/2000	ND	20.9	ND	
	06/06/2000	ND	20.8	ND	
8A	01/04/2000	ND	21.2	ND	
	01/11/2000	ND	18.3	-0.04	
	01/18/2000	ND	20.0	-0.02	
	01/25/2000	ND	20.9	ND	
	02/01/2000	ND	20.0	ND	
	02/08/2000	ND	18.8	ND	
	02/15/2000	ND	18.6	ND	
	02/22/2000	ND	18.7	-0.06	
	02/29/2000	ND	19.2	ND	
	03/07/2000	ND	19.0	ND	
	03/14/2000	ND	19.2	ND	
	03/21/2000	ND	19.2	-0.02	
	03/28/2000	ND	19.6	ND	
	04/04/2000	ND	19.4	ND	
	04/11/2000	ND	19.2	ND	
	04/18/2000	ND	19.1	-0.11	
	04/25/2000	ND	19.3	ND	
	05/02/2000	ND	18.6	0.02	
	05/09/2000	ND	20.3	ND	
	05/16/2000	ND	18.8	-0.05	
	05/23/2000	ND	20.3	ND	
	05/30/2000	ND	18.4	ND	
	06/06/2000	ND	18.8	ND	
9	01/04/2000	ND	21.1	ND	
	01/11/2000	ND	20.5	-0.09	
	01/18/2000	ND	18.1	-0.01	
	01/25/2000	ND	20.9	ND	

TR-Trace Amounts Detected
ND-None Detected
%-vol=Percent by Volume

NT=Not Taken
in-W.C.-Inches of Water Column

TABLE 1. Hewitt Pit Monitoring Probe Data

0789003.00

Monitoring Probe	DATE	Methane [%vol]	Oxygen [%vol]	Pressure [in-W.C.]	COMMENTS
9	02/01/2000	ND	20.0	ND	
	02/08/2000	ND	17.5	0.07	
	02/15/2000	ND	19.4	ND	
	02/22/2000	ND	20.5	-0.09	
	02/29/2000	ND	20.7	ND	
	03/07/2000	ND	20.8	ND	
	03/14/2000	ND	20.9	ND	
	03/21/2000	ND	20.8	-0.08	
	03/28/2000	0.3	18.2	ND	
	04/04/2000	ND	20.6	ND	
	04/11/2000	ND	20.6	ND	
	04/18/2000	ND	20.6	-0.14	
	04/25/2000	ND	20.9	ND	
	05/02/2000	ND	20.5	ND	
	05/09/2000	ND	20.6	-0.6	
	05/16/2000	ND	20.9	-0.07	
	05/23/2000	ND	20.8	-0.09	
	05/30/2000	ND	20.6	ND	
	06/06/2000	ND	19.4	ND	
10	01/04/2000	ND	20.9	0.3	
	01/11/2000	ND	20.4	-0.05	
	01/18/2000	ND	20.9	ND	
	01/25/2000	ND	20.3	ND	
	02/01/2000	ND	19.5	ND	
	02/08/2000	ND	20.0	0.04	
	02/15/2000	ND	20.0	ND	
	02/22/2000	ND	20.1	ND	
	02/29/2000	ND	20.7	ND	
	03/07/2000	ND	20.4	ND	
	03/14/2000	ND	19.9	ND	
	03/21/2000	ND	20.7	-0.10	
	03/28/2000	ND	20.7	ND	
	04/04/2000	ND	20.3	ND	
	04/11/2000	ND	19.6	0.1	
	04/18/2000	ND	20.5	-0.12	
	04/25/2000	ND	20.1	0.11	
	05/02/2000	ND	20.1	0.08	
	05/09/2000	ND	20.3	ND	
	05/16/2000	ND	20.4	0.07	
	05/23/2000	ND	20.3	ND	
	05/30/2000	ND	20.4	ND	
	06/06/2000	ND	20.2	0.23	
10A	01/04/2000	ND	21.2	ND	
	01/11/2000	ND	20.1	-0.02	
	01/18/2000	ND	20.9	ND	
	01/25/2000	ND	20.1	ND	
	02/01/2000	ND	20.0	ND	
	02/08/2000	ND	20.2	0.08	
	02/15/2000	ND	20.3	ND	
	02/22/2000	ND	20.4	ND	

TR=Trace Amounts Detected
ND=None Detected
%-vol=Percent by Volume

NT=Not Taken
in-W.C.=Inches of Water Column

TABLE 1. Hewitt Pit Monitoring Probe Data

0789003.00

Monitoring Probe	DATE	Methane [%vol]	Oxygen [%vol]	Pressure [in-W.C.]	COMMENTS
10A	02/29/2000	ND	20.6	0.01	
	03/07/2000	ND	20.6	ND	
	03/14/2000	ND	20.3	ND	
	03/21/2000	ND	20.5	-0.02	
	03/28/2000	ND	20.8	ND	
	04/04/2000	ND	20.6	ND	
	04/11/2000	ND	20.2	ND	
	04/18/2000	ND	20.4	-0.03	
	04/25/2000	ND	20.6	ND	
	05/02/2000	ND	20.5	0.02	
	05/09/2000	ND	20.7	ND	
	05/16/2000	ND	20.8	-0.02	
	05/23/2000	ND	20.8	ND	
	05/30/2000	ND	20.6	ND	
	06/06/2000	ND	20.5	ND	
11B	01/04/2000	ND	21.3	0.02	
	01/11/2000	ND	20.5	-0.06	
	01/18/2000	ND	20.9	ND	
	01/25/2000	ND	20.8	-0.03	
	02/01/2000	ND	20.0	ND	
	02/08/2000	ND	20.2	0.12	
	02/15/2000	ND	20.5	ND	
	02/22/2000	ND	20.4	-0.04	
	02/29/2000	ND	20.7	ND	
	03/07/2000	ND	20.9	ND	
	03/14/2000	ND	20.6	ND	
	03/21/2000	ND	20.8	-0.06	
	03/28/2000	ND	20.8	ND	
	04/04/2000	ND	20.7	ND	
	04/11/2000	ND	20.1	ND	
	04/18/2000	ND	20.6	-0.12	
	04/25/2000	ND	20.9	-0.2	
	05/02/2000	ND	20.5	ND	
	05/09/2000	ND	20.8	ND	
	05/16/2000	ND	20.9	-0.03	
	05/23/2000	ND	-20.3	ND	
	05/30/2000	ND	20.9	ND	
	06/06/2000	ND	20.9	ND	
12B	01/04/2000	ND	21.3	ND	
	01/11/2000	ND	20.5	-0.03	
	01/18/2000	ND	20.9	ND	
	01/25/2000	ND	20.1	ND	
	02/01/2000	ND	20.0	ND	
	02/08/2000	ND	20.4	0.01	
	02/15/2000	ND	20.3	ND	
	02/22/2000	ND	20.4	-0.06	
	02/29/2000	ND	20.8	ND	
	03/07/2000	ND	20.9	ND	
	03/14/2000	ND	20.8	ND	
	03/21/2000	ND	20.9	-0.06	

TR=Trace Amounts Detected
ND=None Detected
%-vol=Percent by Volume

NT=Not Taken
in-W.C.=Inches of Water Column

TABLE 1. Hewitt Pit Monitoring Probe Data

0789003.00

Monitoring Probe	DATE	Methane (%vol)	Oxygen (%vol)	Pressure [in-W.C.]	COMMENTS
12B	03/28/2000	ND	20.9	ND	
	04/04/2000	ND	20.8	ND	
	04/11/2000	ND	20.6	ND	
	04/18/2000	ND	20.6	-0.06	
	04/25/2000	ND	20.6	ND	
	05/02/2000	ND	20.8	ND	
	05/09/2000	ND	20.8	ND	
	05/16/2000	ND	20.9	-0.01	
	05/23/2000	ND	20.8	-0.07	
	05/30/2000	ND	20.9	ND	
	06/06/2000	ND	21.3	ND	
13B	01/04/2000	ND	21.3	0.03	
	01/11/2000	ND	20.5	-0.02	
	01/18/2000	ND	20.9	ND	
	01/25/2000	ND	20.9	ND	
	02/01/2000	ND	20.0	ND	
	02/08/2000	ND	20.2	0.01	
	02/15/2000	ND	20.4	ND	
	02/22/2000	ND	20.5	-0.06	
	02/29/2000	ND	20.7	ND	
	03/07/2000	ND	20.8	ND	
	03/14/2000	ND	20.3	ND	
	03/21/2000	ND	20.9	-0.01	
	03/28/2000	ND	20.8	ND	
	04/04/2000	ND	20.7	ND	
	04/11/2000	ND	20.8	ND	
	04/18/2000	ND	20.6	-0.06	
	04/25/2000	ND	20.3	ND	
	05/02/2000	ND	20.5	ND	
	05/09/2000	ND	20.2	ND	
	05/16/2000	ND	20.9	ND	
	05/23/2000	ND	20.8	-0.05	
	05/30/2000	ND	20.9	ND	
	06/06/2000	ND	20.4	ND	
13D	01/04/2000	ND	21.2	0.02	
	01/11/2000	ND	20.5	-0.03	
	01/18/2000	ND	20.9	ND	
	01/25/2000	ND	21.0	ND	
	02/01/2000	ND	19.3	-0.2	
	02/08/2000	ND	18.6	0.03	
	02/15/2000	ND	20.0	ND	
	02/22/2000	ND	20.5	-0.02	
	02/29/2000	ND	20.7	ND	
	03/07/2000	ND	20.9	ND	
	03/14/2000	ND	20.4	ND	
	03/21/2000	ND	20.8	-0.02	
	03/28/2000	ND	20.9	ND	
	04/04/2000	ND	20.8	ND	
	04/11/2000	ND	20.6	-0.1	
	04/18/2000	ND	20.7	-0.02	

TR=Trace Amounts Detected
ND=None Detected
%-vol=Percent by Volume

NT=Not Taken
in-W.C.=Inches of Water Column

TABLE 1. Hewitt Pit Monitoring Probe Data

0789003.00

Monitoring Probe	DATE	Methane [%vol]	Oxygen [%vol]	Pressure [in-W.C.]	COMMENTS
13D	04/25/2000	ND	20.8	-0.3	
	05/02/2000	ND	20.8	0.01	
	05/09/2000	ND	20.6	ND	
	05/16/2000	ND	20.9	ND	
	05/23/2000	ND	20.6	-0.04	
	05/30/2000	ND	20.9	ND	
	06/06/2000	ND	20.1	ND	
13C	01/04/2000	ND	21.3	0.02	
	01/11/2000	ND	20.0	-0.02	
	01/18/2000	ND	20.1	-0.02	
	01/25/2000	ND	20.3	ND	
	02/01/2000	ND	19.9	ND	
	02/08/2000	ND	20.4	0.02	
	02/15/2000	ND	17.0	ND	
	02/22/2000	ND	17.1	ND	
	02/29/2000	ND	20.1	ND	
	03/07/2000	ND	20.8	ND	
	03/14/2000	ND	12.2	ND	
	03/21/2000	ND	19.8	-0.02	
	03/28/2000	ND	19.1	ND	
	04/04/2000	ND	19.6	0.01	
	04/11/2000	ND	20.6	ND	
	04/18/2000	ND	18.1	-0.03	
	04/25/2000	ND	20.5	ND	
	05/02/2000	ND	20.7	0.01	
	05/09/2000	ND	20.4	0.02	
	05/16/2000	ND	20.1	ND	
	05/23/2000	ND	20.8	-0.04	
	05/30/2000	ND	20.3	ND	
	06/06/2000	ND	20.8	ND	
13X	01/04/2000	ND	21.3	ND	
	01/11/2000	ND	20.5	-0.01	
	01/18/2000	ND	20.9	ND	
	01/25/2000	ND	20.4	ND	
	02/01/2000	ND	19.4	0.1	
	02/08/2000	ND	20.8	0.02	
	02/15/2000	ND	20.3	ND	
	02/22/2000	ND	20.5	-0.02	
	02/29/2000	ND	20.0	0.02	
	03/07/2000	ND	20.8	ND	
	03/14/2000	ND	19.9	ND	
	03/21/2000	ND	19.8	ND	
	03/28/2000	ND	20.8	ND	
	04/04/2000	ND	20.7	ND	
	04/11/2000	ND	19.8	ND	
	04/18/2000	ND	20.6	ND	
	04/25/2000	ND	19.6	ND	
	05/02/2000	ND	20.0	ND	
	05/09/2000	ND	20.6	ND	
	05/16/2000	ND	20.3	ND	

TR=Trace Amounts Detected
ND=None Detected
%-vol=Percent by Volume

NT=Not Taken
in-W.C.=Inches of Water Column

TABLE 1. Howitt Pit Monitoring Probe Data

0789003.00

Monitoring Probe	DATE	Methane [%vol]	Oxygen [%vol]	Pressure [in-W.C.]	COMMENTS
13X	05/23/2000	ND	19.8	ND	
	05/30/2000	ND	20.9	ND	
	06/06/2000	ND	20.2	ND	
14B	01/04/2000	ND	21.2	1.6	
	01/11/2000	ND	20.5	ND	
	01/18/2000	ND	20.9	0.02	
	01/25/2000	ND	20.3	ND	
	02/01/2000	ND	20.0	ND	
	02/08/2000	ND	20.2	0.02	
	02/15/2000	ND	20.6	ND	
	02/22/2000	ND	20.3	0.04	
	02/29/2000	ND	20.8	0.02	
	03/07/2000	ND	20.8	1.9	
	03/14/2000	ND	20.6	2.9	
	03/21/2000	ND	20.9	1.4	
	03/28/2000	ND	20.8	ND	
	04/04/2000	ND	20.9	0.04	
	04/11/2000	ND	19.4	ND	
	04/18/2000	ND	20.6	ND	
	04/25/2000	ND	20.8	ND	
	05/02/2000	ND	20.6	2.4	PARTIALLY PLUGGED
	05/09/2000	ND	20.8	0.04	
	05/16/2000	ND	21.6	2.8	
	05/23/2000	ND	19.1	ND	
	05/30/2000	ND	20.9	-5.3	
	06/06/2000	ND	21.1	ND	
14C	01/04/2000	ND	21.0	ND	
	01/11/2000	ND	20.4	ND	
	01/18/2000	ND	20.7	ND	
	01/25/2000	ND	21.0	ND	
	02/01/2000	ND	20.0	ND	
	02/08/2000	ND	20.8	0.08	
	02/15/2000	ND	19.7	ND	
	02/22/2000	ND	20.4	ND	
	02/29/2000	ND	20.0	ND	
	03/07/2000	ND	20.8	ND	
	03/14/2000	ND	20.3	ND	
	03/21/2000	ND	20.9	0.01	
	03/28/2000	ND	20.4	ND	
	04/04/2000	ND	20.3	ND	
	04/11/2000	ND	19.4	ND	
	04/18/2000	ND	20.1	ND	
	04/25/2000	ND	19.6	ND	
	05/02/2000	ND	20.4	ND	
	05/09/2000	ND	20.6	ND	
	05/16/2000	ND	21.4	ND	
	05/23/2000	ND	19.6	ND	
	05/30/2000	ND	20.9	ND	
	06/06/2000	ND	21.2	1.1	

TR-Trace Amounts Detected
ND=None Detected
%-vol=Percent by Volume

NT=Not Taken
in-W.C.=Inches of Water Column

TABLE 1. Hewitt Pit Monitoring Probe Data

0789003.00

Monitoring Probe	DATE	Methane (%vol)	Oxygen (%vol)	Pressure [in-W.C.]	COMMENTS
15A	01/04/2000	ND	21.1	ND	
	01/11/2000	ND	20.5	ND	
	01/18/2000	ND	20.9	0.08	
	01/25/2000	ND	20.8	ND	
	02/01/2000	ND	20.0	ND	
	02/08/2000	ND	20.8	0.04	
	02/15/2000	ND	20.1	ND	
	02/22/2000	ND	20.5	0.02	
	02/29/2000	ND	20.8	ND	
	03/07/2000	ND	20.9	ND	
	03/14/2000	ND	20.7	0.7	
	03/21/2000	ND	20.9	0.04	
	03/28/2000	ND	20.6	ND	
	04/04/2000	ND	20.8	ND	
	04/11/2000	ND	20.9	ND	
	04/18/2000	ND	20.6	ND	
	04/25/2000	ND	20.8	ND	
	05/02/2000	ND	20.7	0.12	PARTIALLY PLUGGED
	05/09/2000	ND	20.8	0.04	
	05/16/2000	ND	20.8	ND	
	05/23/2000	ND	20.8	0.08	
	05/30/2000	ND	20.9	2.35	
	06/06/2000	ND	21.2	ND	
16A	01/04/2000	ND	21.1	0.03	
	01/11/2000	ND	17.2	-0.07	
	01/18/2000	ND	17.8	-0.02	
	01/25/2000	ND	17.9	ND	
	02/01/2000	ND	19.8	ND	
	02/08/2000	ND	15.6	0.02	
	02/15/2000	ND	16.9	ND	
	02/22/2000	ND	17.4	-0.09	
	02/29/2000	ND	17.7	-0.02	
	03/07/2000	ND	14.2	ND	
	03/14/2000	ND	14.3	ND	
	03/21/2000	ND	12.0	-0.01	
	03/28/2000	ND	20.8	ND	
	04/04/2000	ND	15.2	ND	
	04/11/2000	ND	12.3	ND	
	04/18/2000	ND	13.7	-0.10	
	04/25/2000	ND	14.2	ND	
	05/02/2000	ND	13.2	ND	
	05/09/2000	ND	14.3	0.02	
	05/16/2000	ND	15.0	ND	
	05/23/2000	ND	20.8	ND	
	05/30/2000	ND	15.9	ND	
	06/06/2000	ND	16.4	ND	
16X	01/04/2000	ND	20.9	ND	
	01/11/2000	ND	20.5	-0.01	
	01/18/2000	ND	20.8	ND	
	01/25/2000	ND	20.2	ND	

TR-Trace Amounts Detected
ND-None Detected
%-vol=Percent by Volume

NT=Not Taken
in-W.C.-Inches of Water Column

TABLE 1. Howitt Pit Monitoring Probe Data

0789003.00

Monitoring Probe	DATE	Methane [%vol]	Oxygen [%vol]	Pressure [in-W.C.]	COMMENTS
16X	02/01/2000	ND	18.9	ND	
	02/08/2000	ND	20.7	0.03	
	02/15/2000	ND	20.1	ND	
	02/22/2000	ND	19.9	-0.02	
	02/29/2000	ND	20.3	ND	
	03/07/2000	ND	19.6	0.2	
	03/14/2000	ND	20.8	ND	
	03/21/2000	ND	20.1	ND	
	03/28/2000	ND	20.6	ND	
	04/04/2000	ND	20.7	ND	
	04/11/2000	ND	20.9	ND	
	04/18/2000	ND	20.6	ND	
	04/25/2000	ND	20.8	ND	
	05/02/2000	ND	20.3	0.02	
	05/09/2000	ND	20.7	ND	
	05/16/2000	ND	21.1	ND	
	05/23/2000	ND	20.8	ND	
	05/30/2000	ND	20.4	0.16	
	06/06/2000	ND	20.9	ND	
17A	01/04/2000	ND	21.0	ND	
	01/11/2000	ND	20.4	ND	
	01/18/2000	ND	20.2	0.02	
	01/25/2000	ND	20.9	ND	
	02/01/2000	ND	19.8	ND	
	02/08/2000	ND	20.7	0.08	
	02/15/2000	ND	19.8	ND	
	02/22/2000	ND	20.4	0.12	
	02/29/2000	ND	20.7	0.02	
	03/07/2000	ND	20.6	ND	
	03/14/2000	ND	20.7	ND	
	03/21/2000	ND	20.8	0.52	
	03/28/2000	ND	20.8	ND	
	04/04/2000	ND	20.6	0.08	
	04/11/2000	ND	19.5	ND	
	04/18/2000	ND	19.2	1.6	
	04/25/2000	ND	20.8	ND	
	05/02/2000	ND	20.3	0.08	PARTIALLY PLUGGED
	05/09/2000	ND	20.8	0.04	
	05/16/2000	ND	21.4	ND	
	05/23/2000	ND	20.6	ND	
	05/30/2000	ND	20.9	ND	
	06/06/2000	ND	21.2	ND	
18B	01/04/2000	ND	21.0	ND	
	01/11/2000	ND	19.2	ND	
	01/18/2000	ND	16.2	0.04	
	01/25/2000	ND	19.2	ND	
	02/01/2000	ND	19.9	ND	
	02/08/2000	ND	12.8	0.03	
	02/15/2000	ND	15.2	ND	
	02/22/2000	ND	18.3	ND	

TR=Trace Amounts Detected
ND=None Detected
%-vol=Percent by Volume

NT=Not Taken
in-W.C.=Inches of Water Column

TABLE 1. Hewitt Pit Monitoring Probe Data

0789003.00

Monitoring Probe	DATE	Methane [%vol]	Oxygen [%vol]	Pressure [in-W.C.]	COMMENTS
18B	02/29/2000	ND	14.7	ND	
	03/07/2000	ND	13.3	ND	
	03/14/2000	ND	13.2	0.3	
	03/21/2000	ND	16.3	0.04	
	03/28/2000	ND	19.8	ND	
	04/04/2000	ND	18.2	ND	
	04/11/2000	ND	20.7	ND	
	04/18/2000	ND	18.1	ND	
	04/25/2000	ND	20.9	ND	
	05/02/2000	ND	16.1	0.04	
	05/09/2000	ND	16.2	ND	
	05/16/2000	ND	17.3	ND	
	05/23/2000	ND	18.3	ND	
	05/30/2000	ND	20.8	ND	
	06/06/2000	ND	16.9	ND	
19	01/04/2000	ND	20.7	ND	
	01/11/2000	ND	20.2	-0.02	
	01/18/2000	ND	19.8	ND	
	01/25/2000	ND	20.8	-0.02	
	02/01/2000	ND	19.7	ND	
	02/08/2000	ND	19.0	0.03	
	02/15/2000	ND	20.6	ND	
	02/22/2000	ND	20.2	ND	
	02/29/2000	ND	19.2	ND	
	03/07/2000	ND	20.7	ND	
	03/14/2000	ND	18.7	ND	
	03/21/2000	ND	19.7	0.02	
	03/28/2000	ND	19.2	ND	
	04/04/2000	ND	20.2	ND	
	04/11/2000	ND	19.7	ND	
	04/18/2000	ND	19.7	-0.02	
	04/25/2000	ND	19.9	ND	
	05/02/2000	ND	19.6	ND	
	05/09/2000	ND	19.8	ND	
	05/16/2000	ND	20.6	ND	
	05/23/2000	ND	20.5	ND	
	05/30/2000	ND	20.0	ND	
	06/06/2000	ND	20.1	ND	
20	01/04/2000	ND	20.0	ND	
	01/11/2000	ND	19.9	ND	
	01/18/2000	ND	19.2	0.04	
	01/25/2000	ND	20.9	ND	
	02/01/2000	ND	19.5	ND	
	02/08/2000	ND	19.8	0.02	
	02/15/2000	ND	19.3	ND	
	02/22/2000	ND	19.1	ND	
	02/29/2000	ND	19.1	ND	
	03/07/2000	ND	19.3	ND	
	03/14/2000	ND	20.3	ND	
	03/21/2000	ND	19.2	ND	

TR=Trace Amounts Detected
ND=None Detected
%-vol=Percent by Volume

NT=Not Taken
in-W.C.=Inches of Water Column

20A	01/04/2000	ND	20.6	ND
	01/11/2000	ND	19.6	-0.02
	01/18/2000	ND	19.4	0.02
	01/25/2000	ND	20.7	ND
	02/01/2000	ND	19.6	ND
	02/08/2000	ND	19.7	0.05
	02/15/2000	ND	19.5	ND
	02/22/2000	ND	19.2	ND
	02/29/2000	ND	19.5	0.03
	03/07/2000	ND	19.8	ND
	03/14/2000	ND	19.8	ND
	03/21/2000	ND	19.4	ND
	03/28/2000	ND	19.7	ND
	04/04/2000	ND	19.4	ND
	04/11/2000	ND	17.7	ND
	04/18/2000	ND	18.9	-0.04
	04/25/2000	ND	16.8	ND
	05/02/2000	ND	19.0	ND
	05/09/2000	ND	20.9	ND
	05/16/2000	ND	19.4	ND
	05/23/2000	ND	20.7	ND
	05/30/2000	ND	20.9	ND
	06/06/2000	ND	20.0	ND
22	01/04/2000	ND	20.6	ND
	01/11/2000	ND	20.0	ND
	01/18/2000	ND	18.6	0.02
	01/25/2000	ND	20.8	ND
	02/01/2000	ND	19.3	ND
	02/08/2000	ND	20.1	0.02
	02/15/2000	ND	19.8	ND
	02/22/2000	ND	19.9	0.18
	02/29/2000	ND	20.0	ND
	03/07/2000	ND	19.8	ND
	03/14/2000	ND	19.0	ND
	03/21/2000	ND	19.2	ND
	03/28/2000	ND	19.0	ND
	04/04/2000	ND	19.2	ND
	04/11/2000	ND	18.9	ND
	04/18/2000	ND	18.4	0.04

TR=Trace Amounts Detected
ND=None Detected
%-vol=Percent by Volume

NT=Not Taken
in-W.C.=Inches of Water Column

TABLE 1. Hewitt Pit Monitoring Probe Data 0789003.00

Monitoring Probe	DATE	Methane [%vol]	Oxygen [%vol]	Pressure [in-W.C.]	COMMENTS
22	04/25/2000	ND	20.2	ND	
	05/02/2000	ND	18.4	0.06	
	05/09/2000	ND	21.0	ND	
	05/16/2000	ND	19.2	ND	
	05/23/2000	ND	19.1	ND	
	05/30/2000	ND	18.4	ND	
	06/06/2000	ND	19.5	ND	
22A	01/04/2000	ND	20.7	ND	
	01/11/2000	ND	19.5	-0.04	
	01/18/2000	ND	19.2	0.04	
	01/25/2000	ND	20.8	0.02	
	02/01/2000	ND	19.8	ND	
	02/08/2000	ND	19.2	0.04	
	02/15/2000	ND	19.6	ND	
	02/22/2000	ND	19.4	0.02	
	02/29/2000	ND	19.9	0.02	
	03/07/2000	ND	19.6	ND	
	03/14/2000	ND	20.2	ND	
	03/21/2000	ND	19.5	ND	
	03/28/2000	ND	20.2	ND	
	04/04/2000	ND	20.4	ND	
	04/11/2000	ND	19.7	ND	
	04/18/2000	ND	18.9	0.06	
	04/25/2000	ND	19.9	ND	
	05/02/2000	ND	20.0	ND	
	05/09/2000	ND	20.2	ND	
	05/16/2000	ND	20.9	ND	
	05/23/2000	ND	20.0	ND	
	05/30/2000	ND	17.7	ND	
	06/06/2000	ND	20.3	ND	
23	01/04/2000	ND	20.8	ND	
	01/11/2000	ND	20.4	0.04	
	01/18/2000	ND	20.7	0.02	
	01/25/2000	ND	20.8	ND	
	02/01/2000	ND	20.0	ND	
	02/08/2000	ND	20.5	ND	
	02/15/2000	ND	20.0	ND	
	02/22/2000	ND	20.3	0.05	
	02/29/2000	ND	20.7	ND	
	03/07/2000	ND	20.2	ND	
	03/14/2000	ND	20.5	ND	
	03/21/2000	ND	20.8	0.04	
	03/28/2000	ND	20.8	ND	
	04/04/2000	ND	20.3	ND	
	04/11/2000	ND	20.3	ND	
	04/18/2000	ND	20.2	0.02	
	04/25/2000	ND	19.8	0.2	
	05/02/2000	ND	20.4	0.02	
	05/09/2000	ND	20.4	ND	
	05/16/2000	ND	21.0	ND	

TR=Trace Amounts Detected
ND=None Detected NT=Not Taken
%-vol=Percent by Volume in-W.C.=Inches of Water Column

TABLE 1. Hewitt Pit Monitoring Probe Data 0789003.00

Monitoring Probe	DATE	Methane [%vol]	Oxygen [%vol]	Pressure [in-W.C.]	COMMENTS
23	05/23/2000	ND	20.8	ND	
	05/30/2000	ND	20.9	ND	
	06/06/2000	ND	20.6	ND	
24	01/04/2000	ND	20.9	ND	
	01/11/2000	ND	20.6	ND	
	01/18/2000	ND	20.6	ND	
	01/25/2000	ND	20.5	ND	
	02/01/2000	ND	20.0	ND	
	02/08/2000	ND	20.7	ND	
	02/15/2000	ND	20.6	ND	
	02/22/2000	ND	20.6	ND	
	02/29/2000	ND	16.8	ND	
	03/07/2000	ND	20.7	ND	
	03/14/2000	ND	20.7	ND	
	03/21/2000	ND	20.2	0.02	
	03/28/2000	ND	14.3	ND	
	04/04/2000	ND	20.8	ND	
	04/11/2000	ND	20.4	ND	
	04/18/2000	ND	20.2	-0.04	
	04/25/2000	ND	20.6	ND	
	05/02/2000	ND	20.7	ND	
	05/09/2000	ND	19.9	ND	
	05/16/2000	ND	21.3	ND	
	05/23/2000	ND	20.8	ND	
	05/30/2000	ND	20.9	ND	
	06/06/2000	ND	20.9	ND	
24A	01/04/2000	ND	20.9	ND	
	01/11/2000	ND	19.8	ND	
	01/18/2000	ND	20.8	0.01	
	01/25/2000	ND	16.3	ND	
	02/01/2000	ND	20.0	ND	
	02/08/2000	ND	20.6	ND	
	02/15/2000	ND	20.0	ND	
	02/22/2000	ND	18.6	ND	
	02/29/2000	ND	19.4	ND	
	03/07/2000	ND	20.8	ND	
	03/14/2000	ND	19.3	-0.2	
	03/21/2000	ND	20.7	ND	
	03/28/2000	ND	18.4	ND	
	04/04/2000	ND	19.9	ND	
	04/11/2000	ND	19.7	ND	
	04/18/2000	ND	20.1	-0.02	
	04/25/2000	ND	17.9	ND	
	05/02/2000	ND	18.1	ND	
	05/09/2000	ND	18.4	ND	
	05/16/2000	ND	19.5	ND	
	05/23/2000	ND	20.8	ND	
	05/30/2000	ND	18.8	ND	
	06/06/2000	ND	20.8	ND	

TR=Trace Amounts Detected
ND=None Detected
%-vol=Percent by Volume
NT=Not Taken
in-W.C.=Inches of Water Column

TABLE 1. Hewitt Pit Monitoring Probe Data 0789003.00

Monitoring Probe	DATE	Methane [%vol]	Oxygen [%vol]	Pressure [in-W.C.]	COMMENTS
25	01/04/2000	ND	21.0	ND	
	01/11/2000	ND	20.5	ND	
	01/18/2000	ND	20.2	0.02	
	01/25/2000	ND	20.9	ND	
	02/01/2000	ND	20.0	ND	
	02/08/2000	ND	20.7	ND	
	02/15/2000	ND	20.6	ND	
	02/22/2000	ND	20.6	ND	
	02/29/2000	ND	20.8	ND	
	03/07/2000	ND	20.3	ND	
	03/14/2000	ND	20.6	ND	
	03/21/2000	ND	20.8	0.01	
	03/28/2000	ND	20.9	0.3	
	04/04/2000	ND	20.6	ND	
	04/11/2000	ND	20.5	ND	
	04/18/2000	ND	20.2	-0.02	
	04/25/2000	ND	20.0	ND	
	05/02/2000	ND	20.7	ND	
	05/09/2000	ND	20.2	ND	
	05/16/2000	ND	21.5	ND	
	05/23/2000	ND	20.8	ND	
	05/30/2000	ND	20.8	ND	
	06/06/2000	ND	20.7	ND	
25A	01/04/2000	ND	20.9	0.02	
	01/11/2000	ND	20.5	-0.01	
	01/18/2000	ND	20.7	ND	
	01/25/2000	ND	20.5	ND	
	02/01/2000	ND	20.0	ND	
	02/08/2000	ND	19.8	ND	
	02/15/2000	ND	20.3	ND	
	02/22/2000	ND	19.9	ND	
	02/29/2000	ND	20.7	ND	
	03/07/2000	ND	20.4	ND	
	03/14/2000	ND	20.8	0.3	
	03/21/2000	ND	20.6	-0.01	
	03/28/2000	ND	20.1	ND	
	04/04/2000	ND	20.7	ND	
	04/11/2000	ND	20.5	ND	
	04/18/2000	ND	20.6	-0.03	
	04/25/2000	ND	20.8	ND	
	05/02/2000	ND	20.6	ND	
	05/09/2000	ND	20.2	ND	
	05/16/2000	ND	21.4	ND	
	05/23/2000	ND	20.5	-0.02	
	05/30/2000	ND	20.8	ND	
	06/06/2000	ND	20.6	ND	
26	01/04/2000	ND	20.9	ND	
	01/11/2000	ND	20.3	ND	
	01/18/2000	ND	20.2	0.02	
	01/25/2000	ND	20.9	ND	

TR=Trace Amounts Detected
ND=None Detected NT=Not Taken
%-vol=Percent by Volume in-W.C.=Inches of Water Column

TABLE 1. Hewitt Pit Monitoring Probe Data 0789003.00

Monitoring Probe	DATE	Methane [%vol]	Oxygen [%vol]	Pressure [in-W.C.]	COMMENTS
26	02/01/2000	ND	20.0	ND	
	02/08/2000	ND	20.3	0.01	
	02/15/2000	ND	20.0	ND	
	02/22/2000	ND	20.7	ND	
	03/07/2000	ND	20.4	ND	
	03/14/2000	ND	20.9	ND	
	03/21/2000	ND	20.8	ND	
	03/28/2000	ND	19.4	ND	
	04/04/2000	ND	20.7	ND	
	04/11/2000	ND	20.2	ND	
	04/18/2000	ND	20.4	-0.02	
	04/25/2000	ND	20.5	ND	
	05/02/2000	ND	20.7	-0.01	
	05/09/2000	ND	20.0	ND	
	05/16/2000	ND	21.2	ND	
	05/23/2000	ND	20.8	ND	
	05/30/2000	ND	20.6	ND	
	06/06/2000	ND	20.6	ND	
26A	01/04/2000	ND	20.9	-0.02	
	01/11/2000	ND	20.3	ND	
	01/18/2000	ND	20.9	ND	
	01/25/2000	ND	20.8	ND	
	02/01/2000	ND	19.8	ND	
	02/08/2000	ND	20.5	0.01	
	02/15/2000	ND	20.4	ND	
	02/22/2000	ND	20.2	ND	
	02/29/2000	ND	20.7	ND	
	03/07/2000	ND	20.2	ND	
	03/14/2000	ND	20.6	ND	
	03/21/2000	ND	20.9	ND	
	03/28/2000	ND	19.7	ND	
	04/04/2000	ND	20.7	ND	
	04/11/2000	ND	20.5	ND	
	04/18/2000	ND	20.2	-0.04	
	04/25/2000	ND	20.9	ND	
	05/02/2000	ND	20.7	ND	
	05/09/2000	ND	20.3	ND	
	05/16/2000	ND	20.9	ND	
	05/23/2000	ND	20.8	ND	
	05/30/2000	ND	20.8	ND	
	06/06/2000	ND	20.6	ND	
26B	01/04/2000	ND	20.0	ND	
	01/11/2000	ND	20.5	ND	
	01/18/2000	ND	20.1	0.02	
	01/25/2000	ND	20.9	ND	
	02/01/2000	ND	19.9	ND	
	02/08/2000	ND	20.2	ND	
	02/15/2000	ND	19.5	ND	
	02/22/2000	ND	19.9	ND	
	02/29/2000	ND	20.3	ND	

TR=Trace Amounts Detected
ND=None Detected NT=Not Taken
%-vol=Percent by Volume in-W.C.=Inches of Water Column

TABLE 1. Hewitt Pit Monitoring Probe Data 0789003.00

Monitoring Probe	DATE	Methane [%vol]	Oxygen [%vol]	Pressure [in-W.C.]	COMMENTS
26B	03/07/2000	ND	19.4	ND	
	03/14/2000	ND	20.8	ND	
	03/21/2000	ND	20.3	0.02	
	03/28/2000	ND	19.5	ND	
	04/04/2000	ND	20.6	ND	
	04/11/2000	ND	19.2	ND	
	04/18/2000	ND	20.6	-0.02	
	04/25/2000	ND	20.1	0.2	
	05/02/2000	ND	20.2	ND	
	05/09/2000	ND	20.4	ND	
	05/16/2000	ND	20.5	ND	
	05/23/2000	ND	20.8	ND	
	05/30/2000	ND	20.3	ND	
	06/06/2000	ND	20.4	ND	
27	01/04/2000	ND	20.8	ND	
	01/11/2000	ND	20.3	ND	
	01/18/2000	ND	20.7	ND	
	01/25/2000	ND	20.8	ND	
	02/01/2000	ND	20.0	ND	
	02/08/2000	ND	19.5	0.01	
	02/15/2000	ND	20.0	ND	
	02/22/2000	ND	20.7	-0.02	
	02/29/2000	ND	20.1	0.01	
	03/07/2000	ND	20.3	ND	
	03/14/2000	ND	20.9	ND	
	03/21/2000	ND	20.8	0.02	
	03/28/2000	ND	19.7	ND	
	04/04/2000	ND	20.7	ND	
	04/11/2000	ND	18.9	0.2	
	04/18/2000	ND	20.1	ND	
	04/25/2000	ND	19.2	ND	
	05/02/2000	ND	20.3	ND	
	05/09/2000	ND	20.5	ND	
	05/16/2000	ND	20.5	ND	
	05/23/2000	ND	20.7	ND	
	05/30/2000	ND	20.8	ND	
	06/06/2000	ND	20.4	ND	
27A	01/04/2000	ND	20.9	ND	
	01/11/2000	ND	19.7	0.02	
	01/18/2000	ND	20.1	0.02	
	01/25/2000	ND	20.8	ND	
	02/01/2000	ND	20.0	ND	
	02/08/2000	ND	19.0	0.03	
	02/15/2000	ND	19.7	ND	
	02/22/2000	ND	18.4	ND	
	02/29/2000	ND	18.4	0.04	
	03/07/2000	ND	20.1	ND	
	03/14/2000	ND	17.6	ND	
	03/21/2000	ND	18.4	0.03	
	03/28/2000	ND	20.1	ND	

TR=Trace Amounts Detected
ND=None Detected NT=Not Taken
%-vol=Percent by Volume in-W.C.=Inches of Water Column

TABLE 1. Hewitt Pit Monitoring Probe Data

0789003.00

Monitoring Probe	DATE	Methane [%vol]	Oxygen [%vol]	Pressure [in-W.C.]	COMMENTS
27A	04/04/2000	ND	19.2	ND	
	04/11/2000	ND	19.2	ND	
	04/18/2000	ND	20.4	-0.02	
	04/25/2000	ND	19.8	ND	
	05/02/2000	ND	19.9	0.02	
	05/09/2000	ND	20.8	ND	
	05/16/2000	ND	19.9	ND	
	05/23/2000	ND	20.4	ND	
	05/30/2000	ND	19.9	ND	
	06/06/2000	ND	20.1	ND	
28	01/04/2000	ND	20.8	ND	
	01/11/2000	ND	19.8	ND	
	01/18/2000	ND	20.8	ND	
	01/25/2000	ND	20.7	ND	
	02/01/2000	ND	20.0	ND	
	02/08/2000	ND	19.1	0.01	
	02/15/2000	ND	19.2	ND	
	02/22/2000	ND	17.9	ND	
	02/29/2000	ND	19.3	0.01	
	03/07/2000	ND	20.0	ND	
	03/14/2000	ND	6.4	ND	
	03/21/2000	ND	20.7	0.01	
	03/28/2000	ND	20.3	0.2	
	04/04/2000	ND	20.6	ND	
	04/11/2000	ND	20.2	ND	
	04/18/2000	ND	20.6	0.02	
	04/25/2000	ND	19.7	ND	
	05/02/2000	ND	18.2	ND	
	05/09/2000	ND	20.6	ND	
	05/16/2000	ND	19.3	ND	
	05/23/2000	ND	18.6	ND	
	05/30/2000	ND	18.8	ND	
	06/06/2000	ND	20.2	ND	
30A	01/04/2000	ND	20.9	-0.04	
	01/11/2000	ND	20.3	ND	
	01/18/2000	ND	20.9	0.04	
	01/25/2000	ND	20.6	ND	
	02/01/2000	ND	20.0	ND	
	02/08/2000	ND	20.1	0.08	
	02/15/2000	ND	19.9	ND	
	02/22/2000	ND	20.2	0.12	
	02/29/2000	ND	20.4	0.04	
	03/07/2000	ND	20.3	ND	
	03/14/2000	ND	20.5	ND	
	03/21/2000	ND	20.5	0.07	
	03/28/2000	ND	20.6	ND	
	04/04/2000	ND	20.3	0.08	
	04/11/2000	ND	20.1	ND	
	04/18/2000	ND	20.7	ND	
	04/25/2000	ND	20.1	0.3	

TR=Trace Amounts Detected
ND=None Detected
%-vol=Percent by Volume
NT=Not Taken
in-W.C.=Inches of Water Column

TABLE 1. Hewitt Pit Monitoring Probe Data

0789003.00

Monitoring Probe	DATE	Methane [%vol]	Oxygen [%vol]	Pressure [in-W.C.]	COMMENTS
30A	05/02/2000	ND	20.0	0.56	
	05/09/2000	ND	21.0	ND	
	05/16/2000	ND	21.7	ND	
	05/23/2000	ND	19.1	0.07	
	05/30/2000	ND	19.4	ND	
	06/06/2000	ND	20.4	ND	
31	01/04/2000	ND	21.1	ND	
	01/11/2000	ND	20.5	0.02	
	01/18/2000	ND	20.9	0.04	
	01/25/2000	ND	20.3	ND	
	02/01/2000	ND	19.9	ND	
	02/08/2000	ND	20.3	0.04	
	02/15/2000	ND	20.8	ND	
	02/22/2000	ND	20.7	0.04	
	02/29/2000	ND	20.7	ND	
	03/07/2000	ND	20.1	0.2	
	03/14/2000	ND	20.8	ND	
	03/21/2000	ND	20.9	ND	
	03/28/2000	ND	20.8	ND	
	04/04/2000	ND	20.0	ND	
	04/11/2000	ND	20.5	0.3	
	04/25/2000	ND	20.6	0.5	
	05/02/2000	ND	20.4	0.04	
	05/09/2000	ND	21.0	ND	
	05/16/2000	ND	21.2	0.1	
	05/23/2000	ND	20.4	0.05	
	05/30/2000	ND	20.8	ND	
	06/06/2000	ND	20.5	ND	
31A	01/04/2000	ND	20.9	-0.08	
	01/11/2000	ND	20.1	0.08	
	01/18/2000	ND	20.1	0.04	
	01/25/2000	ND	20.8	ND	
	02/01/2000	ND	20.0	ND	
	02/08/2000	ND	20.1	0.08	
	02/15/2000	ND	20.9	ND	
	02/22/2000	ND	20.4	0.09	
	02/29/2000	ND	20.5	ND	
	03/07/2000	ND	20.4	ND	
	03/14/2000	ND	20.8	ND	
	03/21/2000	ND	20.9	0.02	
	03/28/2000	ND	20.9	ND	
	04/04/2000	ND	20.7	ND	
	04/11/2000	ND	19.1	ND	
	04/18/2000	ND	19.8	0.38	
	04/25/2000	ND	19.2	0.12	
	05/02/2000	ND	19.4	0.04	
	05/09/2000	ND	20.7	ND	
	05/16/2000	ND	21.0	ND	
	05/23/2000	ND	19.7	-0.12	
	05/30/2000	ND	20.1	ND	

TR=Trace Amounts Detected
ND=None Detected
%-vol=Percent by Volume

NT-Not Taken
in-W.C.-Inches of Water Column

TABLE 1. Hewitt Pit Monitoring Probe Data 0789003.00

Monitoring Probe	DATE	Methane [%vol]	Oxygen [%vol]	Pressure [in-W.C.]	COMMENTS
31A	06/06/2000	ND	20.4	ND	
32	01/04/2000	ND	20.9	ND	
	01/11/2000	ND	20.6	ND	
	01/18/2000	ND	20.9	ND	
	01/25/2000	ND	20.6	-0.03	
	02/01/2000	ND	19.9	ND	
	02/08/2000	ND	20.7	ND	
	02/15/2000	ND	21.0	ND	
	02/22/2000	ND	20.6	ND	
	02/29/2000	ND	20.6	0.02	
	03/07/2000	ND	20.3	ND	
	03/14/2000	ND	20.6	ND	
	03/21/2000	ND	20.8	ND	
	03/28/2000	ND	20.6	ND	
	04/04/2000	ND	20.8	ND	
	04/11/2000	ND	20.6	ND	
	04/18/2000	ND	20.3	ND	
	04/25/2000	ND	20.6	ND	
	05/02/2000	ND	20.1	ND	
	05/09/2000	ND	20.5	ND	
	05/16/2000	ND	20.9	ND	
	05/23/2000	ND	20.6	ND	
	05/30/2000	ND	20.6	ND	
	06/06/2000	ND	20.5	ND	
32A	01/04/2000	ND	20.8	ND	
	01/11/2000	ND	20.5	ND	
	01/18/2000	ND	20.8	ND	
	01/25/2000	ND	20.7	ND	
	02/01/2000	ND	20.0	ND	
	02/08/2000	ND	20.7	0.02	
	02/15/2000	ND	21.0	ND	
	02/22/2000	ND	20.7	ND	
	02/29/2000	ND	20.7	0.01	
	03/07/2000	ND	20.3	ND	
	03/14/2000	ND	20.3	ND	
	03/21/2000	ND	20.6	ND	
	03/28/2000	ND	20.6	ND	
	04/04/2000	ND	20.6	ND	
	04/11/2000	ND	20.5	ND	
	04/18/2000	ND	20.6	ND	
	04/25/2000	ND	20.7	ND	
	05/02/2000	ND	20.1	ND	
	05/09/2000	ND	19.7	ND	
	05/16/2000	ND	21.0	ND	
	05/23/2000	ND	20.5	ND	
	05/30/2000	ND	20.8	ND	
	06/06/2000	ND	20.5	ND	
33	01/04/2000	ND	20.1	ND	
	01/11/2000	ND	20.5	0.01	

TR=Trace Amounts Detected
ND=None Detected NT=Not Taken
%-vol=Percent by Volume in-W.C.=Inches of Water Column

TABLE 1. Howitt Pit Monitoring Probe Data

0789003.00

Monitoring Probe	DATE	Methane [%vol]	Oxygen [%vol]	Pressure [in-W.C.]	COMMENTS
33	01/18/2000	ND	20.5	ND	
	01/25/2000	ND	20.9	ND	
	02/01/2000	ND	21.0	ND	
	02/08/2000	ND	20.0	0.01	
	02/15/2000	ND	21.0	ND	
	02/22/2000	ND	20.3	ND	
	02/29/2000	ND	20.5	ND	
	03/07/2000	ND	20.4	ND	
	03/14/2000	ND	19.3	ND	
	03/21/2000	ND	20.2	ND	
	03/28/2000	ND	19.8	ND	
	04/04/2000	ND	19.9	ND	
	04/11/2000	ND	20.4	ND	
	04/18/2000	ND	19.2	0.02	
	04/25/2000	ND	19.5	ND	
	05/02/2000	ND	19.3	ND	
	05/09/2000	ND	9.3	ND	
	05/16/2000	ND	20.6	ND	
	05/23/2000	ND	20.8	ND	
	05/30/2000	ND	20.5	ND	
	06/06/2000	ND	20.3	ND	
34	01/04/2000	ND	20.1	ND	
	01/11/2000	ND	19.5	ND	
	01/18/2000	ND	20.9	0.02	
	01/25/2000	ND	20.6	ND	
	02/01/2000	ND	21.0	ND	
	02/08/2000	ND	20.2	ND	
	02/15/2000	ND	19.2	ND	
	02/22/2000	ND	20.7	-0.02	
	02/29/2000	ND	20.0	0.01	
	03/07/2000	ND	18.7	0.2	
	03/14/2000	ND	20.7	0.03	
	03/21/2000	ND	18.5	0.02	
	03/28/2000	ND	20.9	ND	
	04/04/2000	ND	20.4	ND	
	04/11/2000	ND	18.9	ND	
	04/18/2000	ND	18.4	0.02	
	04/25/2000	ND	16.7	ND	
	05/02/2000	ND	15.6	ND	
	05/09/2000	ND	16.4	ND	
	05/16/2000	ND	19.4	0.01	
	05/23/2000	ND	18.2	ND	
	05/30/2000	ND	20.7	ND	
	06/06/2000	ND	20.2	ND	
35	01/04/2000	ND	20.8	ND	
	01/11/2000	ND	20.7	ND	
	01/18/2000	ND	20.9	ND	
	01/25/2000	ND	20.6	ND	
	02/01/2000	ND	19.7	ND	
	02/08/2000	ND	20.3	ND	

TR=Trace Amounts Detected
ND=None Detected
%-vol=Percent by Volume

NT-Not Taken
in-W.C.-Inches of Water Column

TABLE 1. Hewitt Pit Monitoring Probe Data

0789003.00

Monitoring Probe	DATE	Methane [%vol]	Oxygen [%vol]	Pressure [in-W.C.]	COMMENTS
35	02/15/2000	ND	20.1	ND	
	02/22/2000	ND	20.6	ND	
	02/29/2000	ND	20.7	ND	
	03/07/2000	ND	20.6	ND	
	03/14/2000	ND	20.8	0.01	
	03/21/2000	ND	20.7	ND	
	03/28/2000	ND	20.9	ND	
	04/04/2000	ND	20.7	ND	
	04/18/2000	ND	20.6	ND	
	04/25/2000	ND	20.5	ND	
	05/02/2000	ND	20.4	0.01	
	05/09/2000	ND	20.5	ND	
	05/16/2000	ND	20.6	ND	
	05/23/2000	ND	20.8	ND	
	05/30/2000	ND	21.5	ND	
	06/06/2000	ND	20.8	ND	
36B	01/04/2000	ND	19.6	ND	
	01/11/2000	ND	18.6	ND	
	01/18/2000	ND	17.6	-0.02	
	01/25/2000	ND	17.9	-0.02	
	02/01/2000	ND	18.7	ND	
	02/08/2000	ND	20.0	ND	
	02/15/2000	ND	18.7	ND	
	02/22/2000	ND	20.7	-0.02	
	02/29/2000	ND	19.7	-0.04	
	03/07/2000	ND	20.5	ND	
	03/14/2000	ND	16.2	0.04	
	03/21/2000	ND	18.0	0.02	
	03/28/2000	ND	17.1	ND	
	04/04/2000	ND	17.4	-0.04	
	04/11/2000	ND	17.6	ND	
	04/18/2000	ND	19.2	-0.02	
	04/25/2000	ND	20.1	ND	
	05/02/2000	ND	16.3	0.03	
	05/09/2000	ND	20.1	ND	
	05/16/2000	ND	18.0	0.01	
	05/23/2000	ND	20.6	ND	
	05/30/2000	ND	21.3	ND	
	06/06/2000	ND	20.5	0.04	
37	01/04/2000	ND	21.0	ND	
	01/11/2000	ND	20.6	ND	
	01/18/2000	ND	20.9	ND	
	01/25/2000	ND	20.8	ND	
	02/01/2000	ND	19.9	ND	
	02/08/2000	ND	20.2	ND	
	02/15/2000	ND	20.0	ND	
	02/22/2000	ND	20.6	ND	
	02/29/2000	ND	20.7	ND	
	03/07/2000	ND	20.6	ND	
	03/14/2000	ND	20.7	ND	

TR=Trace Amounts Detected
ND=None Detected
%-vol=Percent by Volume

NT=Not Taken
in-W.C.=Inches of Water Column

TABLE 1. Hewitt Pit Monitoring Probe Data 0789003.00

Monitoring Probe	DATE	Methane [%vol]	Oxygen [%vol]	Pressure [in-W.C.]	COMMENTS
37	03/21/2000	ND	20.5	ND	
	03/28/2000	ND	20.1	ND	
	04/04/2000	ND	20.4	ND	
	04/11/2000	ND	19.9	ND	
	04/18/2000	ND	19.8	ND	
	04/25/2000	ND	16.5	ND	
	05/02/2000	ND	19.5	ND	
	05/09/2000	ND	20.8	0.2	
	05/16/2000	ND	20.6	0.01	
	05/23/2000	ND	20.8	ND	
	05/30/2000	ND	21.5	ND	
	06/06/2000	ND	20.8	ND	
38	01/04/2000	ND	20.9	ND	
	01/11/2000	ND	20.7	ND	
	01/18/2000	ND	20.9	ND	
	01/25/2000	ND	20.8	ND	
	02/01/2000	ND	19.9	ND	
	02/08/2000	ND	20.3	ND	
	02/15/2000	ND	20.3	ND	
	02/22/2000	ND	20.7	ND	
	02/29/2000	ND	20.7	ND	
	03/07/2000	ND	20.7	ND	
	03/14/2000	ND	20.7	ND	
	03/21/2000	ND	20.7	ND	
	03/28/2000	ND	20.7	ND	
	04/04/2000	ND	20.7	ND	
	04/11/2000	ND	20.5	ND	
	04/18/2000	ND	20.6	0.02	
	04/25/2000	NT	NT	NT	
	05/02/2000	ND	20.7	0.02	
	05/09/2000	ND	20.6	0.02	
	05/16/2000	ND	20.6	ND	
	05/23/2000	ND	20.8	ND	
	05/30/2000	ND	21.6	ND	
	06/06/2000	ND	19.8	ND	
39	01/04/2000	ND	21.0	ND	
	01/11/2000	ND	20.7	ND	
	01/18/2000	ND	20.9	0.08	
	01/25/2000	ND	20.8	-0.01	
	02/01/2000	ND	19.8	ND	
	02/08/2000	ND	20.3	ND	
	02/15/2000	ND	20.3	ND	
	02/22/2000	ND	20.7	0.02	
	02/29/2000	ND	20.7	ND	
	03/07/2000	ND	20.8	ND	
	03/14/2000	ND	20.6	ND	
	03/21/2000	ND	20.7	ND	
	03/28/2000	ND	20.8	ND	
	04/04/2000	ND	20.8	ND	
	04/11/2000	ND	20.5	ND	

TR-Trace Amounts Detected
ND-None Detected
%-vol-Percent by Volume
NT-Not Taken
in-W.C.=Inches of Water Column

TABLE 1. Hewitt Pit Monitoring Probe Data 0789003.00

Monitoring Probe	DATE	Methane [%vol]	Oxygen [%vol]	Pressure [in-W.C.]	COMMENTS
39	04/18/2000	ND	20.5	0.04	
	04/25/2000	ND	20.9	ND	
	05/02/2000	ND	20.8	0.02	
	05/09/2000	ND	20.8	ND	
	05/16/2000	ND	20.6	ND	
	05/23/2000	ND	20.8	ND	
	05/30/2000	ND	26.5	ND	
	06/06/2000	ND	20.5	ND	
40	01/04/2000	ND	21.0	ND	
	01/11/2000	ND	20.7	0.01	
	01/18/2000	ND	20.8	ND	
	01/25/2000	ND	20.9	ND	
	02/01/2000	ND	20.0	ND	
	02/08/2000	ND	20.2	ND	
	02/15/2000	ND	20.3	ND	
	02/22/2000	ND	18.4	0.01	
	02/29/2000	ND	19.8	ND	
	03/07/2000	ND	20.6	ND	
	03/14/2000	ND	20.3	ND	
	03/21/2000	ND	20.5	ND	
	03/28/2000	ND	20.9	ND	
	04/04/2000	ND	20.7	ND	
	04/11/2000	ND	20.4	ND	
	04/18/2000	ND	20.1	ND	
	04/25/2000	ND	20.8	ND	
	05/02/2000	ND	20.6	ND	
	05/09/2000	ND	20.9	ND	
	05/16/2000	ND	20.7	0.02	
	05/23/2000	ND	20.8	ND	
	05/30/2000	ND	20.5	ND	
	06/06/2000	ND	20.7	ND	
41	01/04/2000	ND	20.0	ND	
	01/11/2000	ND	19.1	ND	
	01/18/2000	ND	19.3	0.02	
	01/25/2000	ND	19.0	ND	
	02/01/2000	ND	20.0	ND	
	02/08/2000	ND	19.4	ND	
	02/15/2000	ND	19.5	ND	
	02/22/2000	ND	15.8	ND	
	02/29/2000	ND	19.4	0.01	
	03/07/2000	ND	16.8	ND	
	03/14/2000	ND	19.9	ND	
	03/21/2000	ND	19.2	0.01	
	03/28/2000	ND	19.5	ND	
	04/04/2000	ND	20.5	ND	
	04/11/2000	ND	19.8	ND	
	04/18/2000	ND	19.9	ND	
	04/25/2000	ND	19.7	ND	
	05/02/2000	ND	19.7	ND	
	05/09/2000	ND	20.3	ND	

TR=Trace Amounts Detected
ND=None Detected NT=Not Taken
%-vol=Percent by Volume in-W.C.=Inches of Water Column

TABLE 1. Hewitt Pit Monitoring Probe Data

0789003.00

Monitoring Probe	DATE	Methane [%vol]	Oxygen [%vol]	Pressure [in-W.C.]	COMMENTS
41	05/16/2000	ND	20.4	ND	
	05/23/2000	ND	20.1	ND	
	05/30/2000	ND	20.2	ND	
	06/06/2000	ND	20.6	ND	
42	01/04/2000	ND	18.0	ND	
	01/11/2000	ND	14.8	ND	
	01/18/2000	ND	17.2	0.02	
	01/25/2000	ND	18.9	ND	
	02/01/2000	ND	18.4	ND	
	02/08/2000	ND	20.2	ND	
	02/15/2000	ND	20.3	ND	
	02/22/2000	ND	20.7	0.02	
	02/29/2000	ND	18.2	ND	
	03/07/2000	ND	20.7	ND	
	03/14/2000	ND	16.3	ND	
	03/21/2000	ND	18.1	0.01	
	03/28/2000	ND	19.1	ND	
	04/04/2000	ND	19.8	ND	
	04/11/2000	ND	20.3	ND	
	04/18/2000	ND	19.6	0.02	
	04/25/2000	ND	20.6	ND	
	05/02/2000	ND	20.3	0.02	
	05/09/2000	ND	19.6	ND	
	05/16/2000	ND	20.2	ND	
	05/23/2000	ND	20.8	ND	
	05/30/2000	ND	20.6	ND	
	06/06/2000	ND	19.8	0.03	
43	01/04/2000	ND	14.5	-0.02	
	01/11/2000	ND	12.7	0.06	
	01/18/2000	ND	20.9	0.02	
	01/25/2000	ND	12.1	-0.07	
	02/01/2000	ND	20.0	ND	
	02/08/2000	ND	16.6	0.01	
	02/15/2000	ND	20.5	ND	
	02/22/2000	ND	20.7	-0.02	
	02/29/2000	ND	20.6	-0.02	
	03/07/2000	ND	20.8	ND	
	03/14/2000	ND	7.9	ND	
	03/21/2000	ND	20.8	0.01	
	03/28/2000	ND	20.8	ND	
	04/04/2000	ND	20.7	-0.02	
	04/11/2000	ND	20.6	ND	
	04/18/2000	ND	20.4	-0.02	
	04/25/2000	ND	20.9	ND	
	05/02/2000	ND	9.7	ND	
	05/09/2000	ND	11.2	ND	
	05/16/2000	ND	20.8	-0.01	
	05/23/2000	ND	20.8	ND	
	05/30/2000	ND	20.8	ND	
	06/06/2000	ND	20.9	ND	

TR=Trace Amounts Detected
ND=None Detected
%-vol=Percent by Volume

NT=Not Taken
in-W.C.=Inches of Water Column

TABLE 1. Hewitt Pit Monitoring Probe Data 0789003.00

Monitoring Probe	DATE	Methane [%vol]	Oxygen [%vol]	Pressure [in-W.C.]	COMMENTS
45	01/04/2000	ND	20.8	ND	
	01/11/2000	ND	20.1	0.07	
	01/18/2000	ND	20.8	ND	
	01/25/2000	ND	20.4	-0.08	
	02/01/2000	ND	20.0	ND	
	02/08/2000	ND	19.7	0.04	
	02/15/2000	ND	20.0	ND	
	02/22/2000	ND	20.7	-0.06	
	02/29/2000	ND	20.3	ND	
	03/07/2000	ND	20.7	ND	
	03/14/2000	ND	20.3	ND	
	03/21/2000	ND	20.7	-0.02	
	03/28/2000	ND	20.1	ND	
	04/04/2000	ND	20.7	-0.01	
	04/11/2000	ND	19.9	ND	
	04/18/2000	ND	20.5	-0.04	
	04/25/2000	ND	20.8	ND	
	05/02/2000	ND	20.2	ND	
	05/09/2000	ND	20.3	ND	
	05/16/2000	ND	20.8	-0.02	
	05/23/2000	ND	19.1	ND	
	05/30/2000	ND	20.7	ND	
	06/06/2000	ND	20.8	ND	
46	01/04/2000	ND	21.0	ND	
	01/11/2000	ND	20.2	ND	
	01/18/2000	ND	20.2	ND	
	01/25/2000	ND	20.1	-0.05	
	02/01/2000	ND	20.0	ND	
	02/08/2000	ND	20.1	ND	
	02/15/2000	ND	20.3	ND	
	02/22/2000	ND	20.3	0.09	
	02/29/2000	ND	20.7	ND	
	03/07/2000	ND	20.3	ND	
	03/14/2000	ND	20.6	ND	
	03/21/2000	ND	20.6	ND	
	03/28/2000	ND	20.8	ND	
	04/04/2000	ND	20.7	ND	
	04/11/2000	ND	20.5	ND	
	04/25/2000	ND	20.1	ND	
	05/02/2000	ND	19.6	ND	
	05/09/2000	ND	20.1	ND	
	05/16/2000	ND	20.8	ND	
	05/23/2000	ND	20.8	ND	
	05/30/2000	ND	20.6	ND	
	06/06/2000	ND	20.8	ND	
1B'	01/04/2000	ND	21.2	0.04	
	01/11/2000	ND	20.5	-0.05	
	01/18/2000	ND	20.9	ND	
	01/25/2000	ND	20.7	ND	
	02/01/2000	ND	19.9	ND	

TR=Trace Amounts Detected
ND=None Detected NT=Not Taken
%-vol=Percent by Volume in-W.C.=Inches of Water Column

TABLE 1. Hewitt Pit Monitoring Probe Data

0789003.00

Monitoring Probe	DATE	Methane [%vol]	Oxygen [%vol]	Pressure [in-W.C.]	COMMENTS
1B'	02/08/2000	ND	20.1	0.04	
	02/15/2000	ND	17.4	ND	
	02/22/2000	ND	20.4	-0.07	
	02/29/2000	ND	19.8	0.02	
	03/07/2000	ND	20.2	ND	
	03/14/2000	ND	19.8	ND	
	03/21/2000	ND	20.9	-0.03	
	03/28/2000	ND	20.9	ND	
	04/04/2000	ND	20.7	0.01	
	04/11/2000	ND	19.4	-0.1	
	04/18/2000	ND	20.7	-0.08	
	04/25/2000	ND	20.5	-0.2	
	05/02/2000	ND	19.7	0.02	
	05/09/2000	ND	19.4	0.03	
	05/16/2000	ND	20.9	-0.01	
	05/23/2000	ND	20.1	ND	
	05/30/2000	ND	20.9	ND	
	06/06/2000	ND	20.2	ND	
1C'	01/04/2000	ND	21.2	0.02	
	01/11/2000	ND	20.5	-0.02	
	01/18/2000	ND	20.2	0.02	
	01/25/2000	ND	20.3	ND	
	02/01/2000	ND	19.6	ND	
	02/08/2000	ND	20.2	0.02	
	02/15/2000	ND	16.5	ND	
	02/22/2000	ND	17.8	-0.04	
	02/29/2000	ND	20.8	0.03	
	03/07/2000	ND	20.0	ND	
	03/14/2000	ND	17.6	ND	
	03/21/2000	ND	20.9	-0.02	
	03/28/2000	ND	20.9	ND	
	04/04/2000	ND	19.1	ND	
	04/11/2000	ND	18.5	-0.1	
	04/18/2000	ND	20.6	-0.03	
	04/25/2000	ND	18.3	ND	
	05/02/2000	ND	19.0	ND	
	05/09/2000	ND	19.6	0.02	
	05/16/2000	ND	19.8	ND	
	05/23/2000	ND	19.2	ND	
	05/30/2000	ND	19.4	ND	
	06/06/2000	ND	20.4	ND	
2B'	01/04/2000	ND	21.2	ND	
	01/11/2000	ND	20.5	-0.01	
	01/18/2000	ND	20.8	ND	
	01/25/2000	ND	21.3	0.01	
	02/01/2000	ND	19.5	ND	
	02/08/2000	ND	18.3	0.04	
	02/15/2000	ND	17.7	ND	
	02/22/2000	ND	20.6	-0.04	
	02/29/2000	ND	20.2	0.02	

TR=Trace Amounts Detected
ND=None Detected
%-vol=Percent by Volume
NT=Not Taken
in-W.C.=Inches of Water Column

TABLE 1. Hewitt Pit Monitoring Probe Data

Monitoring Probe	DATE	Methane [%vol]	Oxygen [%vol]	Pressure [in-W.C.]	COMMENTS
2B'	03/07/2000	ND	20.8	ND	
	03/14/2000	ND	17.6	ND	
	03/21/2000	ND	20.9	ND	
	03/28/2000	ND	20.7	ND	
	04/04/2000	ND	19.8	ND	
	04/11/2000	ND	18.1	ND	
	04/18/2000	ND	20.7	-0.06	
	04/25/2000	ND	18.3	ND	
	05/02/2000	ND	18.7	0.02	
	05/09/2000	ND	19.8	0.02	
	05/16/2000	ND	20.2	ND	
	05/23/2000	ND	20.8	-0.04	
	05/30/2000	ND	20.9	ND	
	06/06/2000	ND	20.6	ND	
2C'	01/04/2000	ND	21.1	ND	
	01/11/2000	ND	20.5	-0.03	
	01/18/2000	ND	20.9	0.02	
	01/25/2000	ND	20.9	ND	
	02/01/2000	ND	20.0	-0.1	
	02/08/2000	ND	20.8	0.06	
	02/15/2000	ND	20.5	ND	
	02/22/2000	ND	20.4	-0.04	
	02/29/2000	ND	20.8	0.02	
	03/07/2000	ND	20.7	ND	
	03/14/2000	ND	19.2	ND	
	03/21/2000	ND	20.4	ND	
	03/28/2000	ND	20.8	ND	
	04/04/2000	ND	20.7	ND	
	04/11/2000	ND	20.8	ND	
	04/18/2000	ND	20.6	-0.07	
	04/25/2000	ND	20.3	ND	
	05/02/2000	ND	20.1	0.03	
	05/09/2000	ND	20.6	ND	
	05/16/2000	ND	21.3	ND	
	05/23/2000	ND	20.8	ND	
	05/30/2000	ND	20.9	ND	
	06/06/2000	ND	27.2	ND	
3B'	01/04/2000	ND	21.1	ND	
	01/11/2000	ND	20.4	-0.02	
	01/18/2000	ND	20.9	ND	
	01/25/2000	ND	20.9	ND	
	02/01/2000	ND	19.6	ND	
	02/08/2000	ND	19.9	0.01	
	02/15/2000	ND	20.0	ND	
	02/22/2000	ND	20.4	-0.08	
	02/29/2000	ND	20.8	ND	
	03/07/2000	ND	20.8	ND	
	03/14/2000	ND	19.0	ND	
	03/21/2000	ND	19.8	ND	
	03/28/2000	ND	20.1	ND	

TR=Trace Amounts Detected
ND=None Detected
%-vol=Percent by Volume
NT=Not Taken
in-W.C.=Inches of Water Column

TABLE 1. Hewitt Pit Monitoring Probe Data

Monitoring Probe	DATE	Methane [%vol]	Oxygen [%vol]	Pressure [in-W.C.]	COMMENTS
3B'	04/04/2000	ND	20.5	0.01	
	04/11/2000	ND	20.8	ND	
	04/18/2000	ND	20.6	-0.16	
	04/25/2000	ND	20.6	ND	
	05/02/2000	ND	19.6	0.04	
	05/09/2000	ND	20.5	0.02	
	05/16/2000	ND	20.2	ND	
	05/23/2000	ND	20.8	ND	
	05/30/2000	ND	20.9	ND	
	06/06/2000	ND	20.8	ND	
3C'	01/04/2000	ND	21.0	0.10	
	01/11/2000	ND	20.5	-0.10	
	01/18/2000	ND	20.9	ND	
	01/25/2000	ND	21.0	ND	
	02/01/2000	ND	19.9	ND	
	02/08/2000	ND	20.8	0.05	
	02/15/2000	ND	20.5	ND	
	02/22/2000	ND	19.6	-0.17	
	02/29/2000	ND	20.7	ND	
	03/07/2000	ND	20.6	-0.3	
	03/14/2000	ND	18.6	ND	
	03/21/2000	ND	20.8	ND	
	03/28/2000	ND	20.8	ND	
	04/04/2000	ND	20.2	ND	
	04/11/2000	ND	18.7	ND	
	04/18/2000	ND	20.6	-0.06	
	04/25/2000	ND	18.5	ND	
	05/02/2000	ND	11.1	0.03	
	05/09/2000	ND	9.3	ND	
	05/16/2000	ND	17.3	ND	
	05/23/2000	ND	20.8	-0.16	
	05/30/2000	ND	20.9	ND	
	06/06/2000	ND	20.6	ND	
4B'	01/04/2000	ND	21.2	ND	
	01/11/2000	ND	20.5	-0.05	
	01/18/2000	ND	20.9	ND	
	01/25/2000	ND	20.3	ND	
	02/01/2000	ND	19.9	ND	
	02/08/2000	ND	19.5	0.01	
	02/15/2000	ND	20.3	ND	
	02/22/2000	ND	20.6	-0.06	
	02/29/2000	ND	20.8	ND	
	03/07/2000	ND	20.9	ND	
	03/14/2000	ND	20.8	ND	
	03/21/2000	ND	18.1	ND	
	03/28/2000	ND	14.8	ND	
	04/04/2000	ND	16.2	ND	
	04/11/2000	ND	20.9	ND	
	04/18/2000	ND	20.6	-0.07	
	04/25/2000	ND	20.6	ND	

TR=Trace Amounts Detected
ND=None Detected
%-vol=Percent by Volume

NT=Not Taken
in-W.C.=Inches of Water Column

TABLE 1. Hewitt Pit Monitoring Probe Data 0789003.00

Monitoring Probe	DATE	Methane [%vol]	Oxygen [%vol]	Pressure [in-W.C.]	COMMENTS
4B'	05/02/2000	ND	17.1	0.04	
	05/09/2000	ND	19.0	ND	
	05/16/2000	ND	16.4	ND	
	05/23/2000	ND	20.8	ND	
	05/30/2000	ND	20.9	ND	
	06/06/2000	ND	20.6	ND	
4C'	01/04/2000	ND	21.1	0.03	
	01/11/2000	ND	20.5	-0.03	
	01/18/2000	ND	20.9	ND	
	01/25/2000	ND	20.9	ND	
	02/01/2000	ND	19.4	ND	
	02/08/2000	ND	19.4	0.02	
	02/15/2000	ND	18.3	ND	
	02/22/2000	ND	20.7	-0.04	
	02/29/2000	ND	20.8	-0.03	
	03/07/2000	ND	20.7	ND	
	03/14/2000	ND	19.5	ND	
	03/21/2000	ND	19.9	ND	
	03/28/2000	ND	20.8	ND	
	04/04/2000	ND	20.7	ND	
	04/11/2000	ND	16.5	ND	
	04/18/2000	ND	20.6	-0.07	
	04/25/2000	ND	19.1	ND	
	05/02/2000	ND	15.1	ND	
	05/09/2000	ND	20.3	ND	
	05/16/2000	ND	20.6	ND	
	05/23/2000	ND	20.8	ND	
	05/30/2000	ND	20.9	ND	
	06/06/2000	ND	20.6	ND	
5B'	01/04/2000	ND	21.2	0.06	
	01/11/2000	ND	20.5	-0.09	
	01/18/2000	ND	20.9	0.02	
	01/25/2000	ND	19.6	ND	
	02/01/2000	ND	20.0	ND	
	02/08/2000	ND	20.7	0.02	
	02/15/2000	ND	19.4	ND	
	02/22/2000	ND	20.6	-0.12	
	02/29/2000	ND	20.7	-0.02	
	03/07/2000	ND	20.6	ND	
	03/14/2000	ND	20.6	ND	
	03/21/2000	ND	20.9	ND	
	03/28/2000	ND	20.8	ND	
	04/04/2000	ND	20.8	ND	
	04/11/2000	ND	20.9	ND	
	04/18/2000	ND	20.6	-0.12	
	04/25/2000	ND	20.9	ND	
	05/02/2000	ND	19.4	0.03	
	05/09/2000	ND	19.8	ND	
	05/16/2000	ND	21.6	-0.2	
	05/23/2000	ND	19.1	ND	

TR=Trace Amounts Detected
ND=None Detected
%-vol.=Percent by Volume
NT=Not Taken
in-W.C.=Inches of Water Column

TABLE 1. Hewitt Pit Monitoring Probe Data 0789003.00

Monitoring Probe	DATE	Methane [%vol]	Oxygen [%vol]	Pressure [in-W.C.]	COMMENTS
5B'	05/30/2000	ND	20.9	ND	
	06/06/2000	ND	21.2	ND	
5C'	01/04/2000	ND	21.1	0.05	
	01/11/2000	ND	20.5	-0.08	
	01/18/2000	ND	20.9	0.03	
	01/25/2000	ND	20.5	ND	
	02/01/2000	ND	19.9	ND	
	02/08/2000	ND	20.0	0.03	
	02/15/2000	ND	20.6	ND	
	02/22/2000	ND	20.5	-0.11	
	02/29/2000	ND	20.8	-0.03	
	03/07/2000	ND	20.2	ND	
	03/14/2000	ND	19.9	ND	
	03/21/2000	ND	19.2	ND	
	03/28/2000	ND	20.7	ND	
	04/04/2000	ND	19.4	ND	
	04/11/2000	ND	20.8	ND	
	04/18/2000	ND	20.6	-0.09	
	04/25/2000	ND	20.6	ND	
	05/02/2000	ND	20.1	0.02	
	05/09/2000	ND	20.6	ND	
	05/16/2000	ND	21.4	ND	
	05/23/2000	ND	20.9	-0.09	
	05/30/2000	ND	19.1	ND	
	06/06/2000	ND	21.0	ND	
6B'	01/04/2000	ND	21.1	ND	
	01/11/2000	ND	20.4	-0.02	
	01/18/2000	ND	20.8	ND	
	01/25/2000	ND	20.3	ND	
	02/01/2000	ND	19.4	ND	
	02/08/2000	ND	19.9	0.04	
	02/15/2000	ND	20.1	ND	
	02/22/2000	ND	20.6	-0.02	
	02/29/2000	ND	20.4	ND	
	03/07/2000	ND	20.7	ND	
	03/14/2000	ND	19.4	ND	
	03/21/2000	ND	20.9	ND	
	03/28/2000	ND	19.1	ND	
	04/04/2000	ND	20.6	ND	
	04/11/2000	ND	19.2	ND	
	04/18/2000	ND	20.6	-0.04	
	04/25/2000	ND	19.9	ND	
	05/02/2000	ND	20.6	ND	
	05/09/2000	ND	20.8	ND	
	05/16/2000	ND	20.6	ND	
	05/23/2000	ND	20.8	ND	
	05/30/2000	ND	20.9	ND	
	06/06/2000	ND	20.9	ND	
6C'	01/04/2000	ND	21.2	ND	

TR=Trace Amounts Detected
ND=None Detected
%-vol=Percent by Volume
NT=Not Taken
in-W.C.=Inches of Water Column

TABLE 1. Hewitt Pit Monitoring Probe Data 0789003.00

Monitoring Probe	DATE	Methane [%vol]	Oxygen [%vol]	Pressure [in-W.C.]	COMMENTS
6C'	01/11/2000	ND	20.5	-0.02	
	01/18/2000	ND	20.9	ND	
	01/25/2000	ND	21.0	0.03	
	02/01/2000	ND	19.8	ND	
	02/08/2000	ND	19.9	0.05	
	02/15/2000	ND	20.3	ND	
	02/22/2000	ND	20.7	-0.02	
	02/29/2000	ND	20.2	ND	
	03/07/2000	ND	20.8	ND	
	03/14/2000	ND	20.4	ND	
	03/21/2000	ND	20.8	ND	
	03/28/2000	ND	20.9	ND	
	04/04/2000	ND	20.8	ND	
	04/11/2000	ND	20.8	ND	
	04/18/2000	ND	20.5	-0.06	
	04/25/2000	ND	20.6	ND	
	05/02/2000	ND	19.7	ND	
	05/09/2000	ND	20.6	ND	
	05/16/2000	ND	20.1	ND	
	05/23/2000	ND	20.8	ND	
	05/30/2000	ND	20.9	ND	
	06/06/2000	ND	20.9	ND	
7B'	01/04/2000	ND	21.0	ND	
	01/11/2000	ND	18.8	ND	
	01/18/2000	ND	19.6	0.04	
	01/25/2000	ND	20.8	ND	
	02/01/2000	ND	20.0	ND	
	02/08/2000	ND	16.7	0.01	
	02/15/2000	ND	17.6	ND	
	02/22/2000	ND	20.7	ND	
	02/29/2000	ND	14.8	ND	
	03/07/2000	ND	20.1	ND	
	03/14/2000	ND	16.0	ND	
	03/21/2000	ND	18.6	ND	
	03/28/2000	ND	15.0	ND	
	04/04/2000	ND	19.7	ND	
	04/11/2000	ND	17.0	0.1	
	04/18/2000	ND	20.6	-0.04	
	04/25/2000	ND	19.6	ND	
	05/02/2000	ND	20.6	ND	
	05/09/2000	ND	19.5	ND	
	05/16/2000	ND	19.4	ND	
	05/23/2000	ND	20.8	ND	
	05/30/2000	ND	20.8	ND	
	06/06/2000	ND	19.9	ND	
7C'	01/04/2000	ND	21.0	ND	
	01/11/2000	ND	20.5	ND	
	01/18/2000	ND	20.9	ND	
	01/25/2000	ND	20.8	ND	
	02/01/2000	ND	20.0	ND	

TR-Trace Amounts Detected
ND=None Detected
%-vol-Percent by Volume
NT=Not Taken
in-W.C.=Inches of Water Column

TABLE 1. Hewitt Pit Monitoring Probe Data 0789003.00

Monitoring Probe	DATE	Methane [%vol.]	Oxygen [%vol]	Pressure [in-W.C.]	COMMENTS
7C'	02/08/2000	ND	17.1	0.02	
	02/15/2000	ND	18.4	ND	
	02/22/2000	ND	20.6	ND	
	02/29/2000	ND	16.2	ND	
	03/07/2000	ND	20.4	ND	
	03/14/2000	ND	20.6	ND	
	03/21/2000	ND	18.5	ND	
	03/28/2000	ND	20.2	ND	
	04/04/2000	ND	20.9	ND	
	04/11/2000	ND	18.9	ND	
	04/18/2000	ND	17.4	-0.2	
	04/25/2000	ND	17.3	ND	
	05/02/2000	ND	19.8	ND	
	05/09/2000	ND	20.8	ND	
	05/16/2000	ND	21.4	ND	
	05/23/2000	ND	20.0	ND	
	05/30/2000	ND	16.6	ND	
	06/06/2000	ND	20.1	ND	
8B'	01/04/2000	ND	21.0	0.04	
	01/11/2000	ND	20.6	-0.06	
	01/18/2000	ND	20.9	ND	
	01/25/2000	ND	20.1	ND	
	02/01/2000	ND	20.0	ND	
	02/08/2000	ND	20.7	0.09	
	02/15/2000	ND	19.5	ND	
	02/22/2000	ND	20.6	ND	
	02/29/2000	ND	20.7	ND	
	03/07/2000	ND	20.8	ND	
	03/14/2000	ND	16.8	ND	
	03/21/2000	ND	20.9	ND	
	03/28/2000	ND	17.3	ND	
	04/04/2000	ND	20.9	ND	
	04/11/2000	ND	19.5	ND	
	04/18/2000	ND	20.6	-0.04	
	04/25/2000	ND	19.6	ND	
	05/02/2000	ND	20.5	ND	
	05/09/2000	ND	17.4	ND	
	05/16/2000	ND	21.1	ND	
	05/23/2000	ND	20.8	-0.08	
	05/30/2000	ND	20.9	ND	
	06/06/2000	ND	21.0	ND	
8C'	01/04/2000	ND	20.9	ND	
	01/11/2000	ND	20.6	-0.02	
	01/18/2000	ND	20.9	ND	
	01/25/2000	ND	20.2	ND	
	02/01/2000	ND	20.0	ND	
	02/08/2000	ND	20.8	0.06	
	02/15/2000	ND	21.0	ND	
	02/22/2000	ND	18.4	-0.02	
	02/29/2000	ND	20.7	ND	

TR=Trace Amounts Detected
ND=None Detected
%-vol.=Percent by Volume
NT=Not Taken
in-W.C.=Inches of Water Column

TABLE 1. Howitt Pit Monitoring Probe Data 0789003.00

Monitoring Probe	DATE	Methane [%vol]	Oxygen [%vol]	Pressure [in-W.C.]	COMMENTS
SC'	03/07/2000	ND	20.9	ND	
	03/14/2000	ND	20.9	ND	
	03/21/2000	ND	20.9	ND	
	03/28/2000	ND	20.8	ND	
	04/04/2000	ND	20.9	ND	
	04/11/2000	ND	20.9	ND	
	04/18/2000	ND	20.6	-0.06	
	04/25/2000	ND	20.6	ND	
	05/02/2000	ND	18.0	ND	
	05/09/2000	ND	18.6	ND	
	05/16/2000	ND	20.2	ND	
	05/23/2000	ND	20.8	ND	
	05/30/2000	ND	20.9	ND	
	06/06/2000	ND	20.8	ND	

TR=Trace Amounts Detected
ND=None Detected
%-vol=Percent by Volume
NT=Not Taken
in-W.C.=Inches of Water Column

Attachment 2

INTEGRATED LANDFILL

SURFACE SAMPLING

June 22, 2000 Grids 1-18
June 23, 2000 Grids 19-37
June 23, 2000 Grids 42-44
June 23, 2000 Grids 47-52
June 28, 2000 Grids 38-41
June 28, 2000 Grids 45-46

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HEWITT PIT LANDFILL

INTEGRATED LANDFILL SURFACE MONITORING

Personnel: RICK ROBERTS
MIKE GEORGET

Date: 6-22-00 Instrument used: OVA 128

Temperature: 70°

Grid ID	Staff Initials	Time Start	Time Stop	TOC ppm	Roto-mtr, cc/min	Wind spd, mph/direct	Remarks
1	MG	0930	0955	4	333	3 8	
2	RR	0930	0955	4	333	3 8	
3	MG	0955	1020	5	333	4 8	
4	RR	0955	1020	4	333	4 8	
5	MG	1030	1055	5	333	4 6	
6	RR	1030	1055	4	333	4 6	
7	MG	1055	1120	4	333	4 6	
8	RR	1055	1120	4	333	4 6	
9	MG	1120	1145	4	333	4 6	
10	RR	1120	1145	4	333	4 6	
11	MG	1155	1220	4	333	4 6	
12	RR	1155	1220	4	333	4 6	
13	MG	1225	1250	5	333	4 7	
14	RR	1225	1250	4	333	4 7	
15	MG	1250	1315	5	333	4 7	
16	RR	1250	1315	4	333	4 7	
17	MG	1315	1340	5	333	4 6	
18	RR	1315	1340	4	333	4 6	

Attach Calibration Sheet
Attach site map showing grid ID

Page ____ of ____

Wp:hotspots 2000.wkst

RES Environmental Inc.

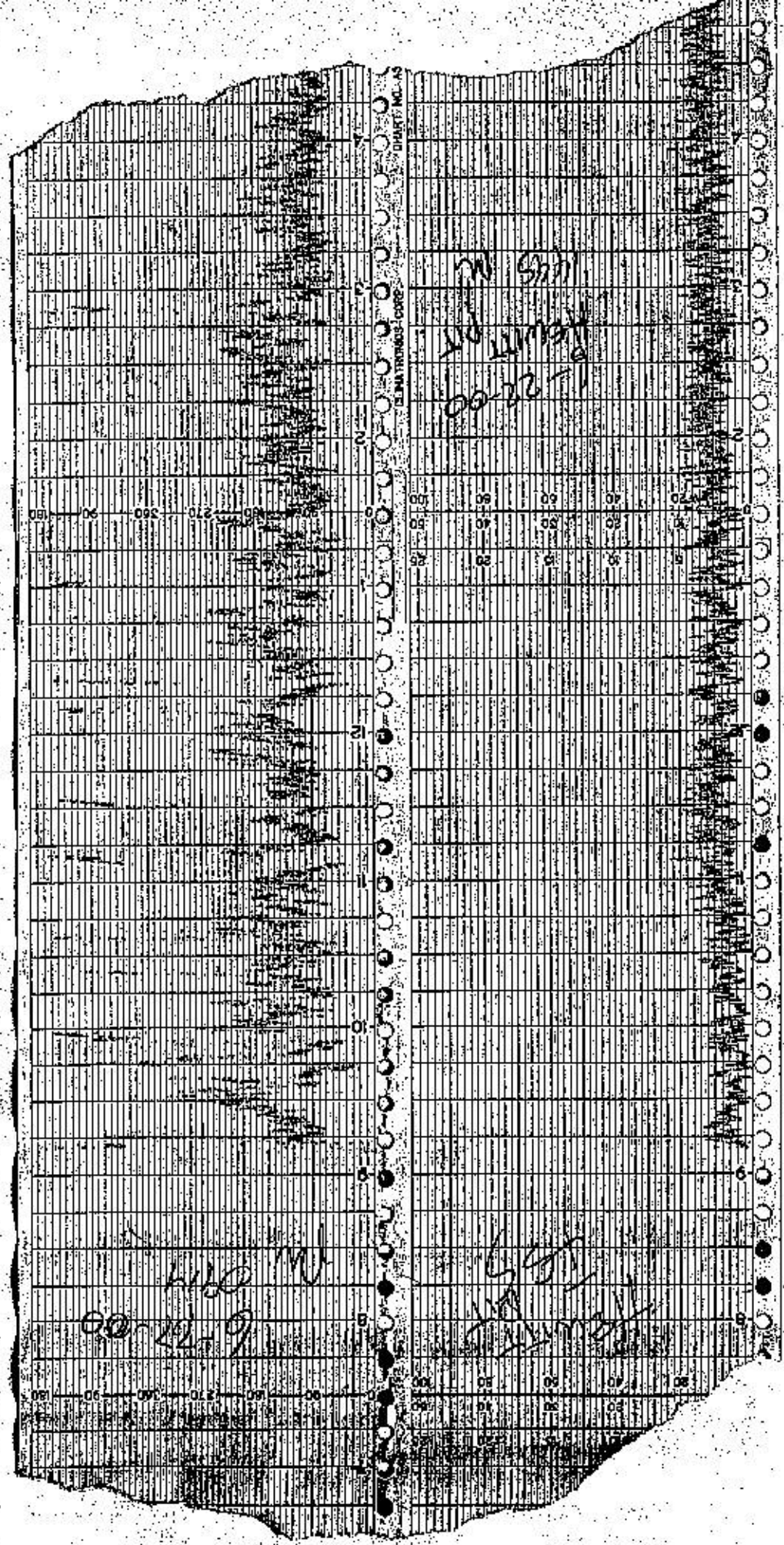
OVA CALIBRATION LOG

MAKE FOXBORO

SERIAL # 51087

MODEL # OVA 128

Operator	Date	Battery Check	Flow Meter Reading	Pressure At Suction W.C.	Zero Reading			OVA Calibration Gas, Unconverted Readings						OVA Calibration Gas Converted Readings						3 Pt. Calibration Check			Initial Instr. OK & Appr.	Comments Previous
					10	100	1000	Low		Med.		High		Low		Med.		High						
					PPM	PPM	PPM	PPM	ACT	PPM	ACT	PPM	ACT	PPM	ACT	PPM	ACT	PPM	ACT	PPM	PPM	PPM		
R. Roberts	6/22	OK	2.0	✓	0	0	0	—	—	50	50	—	—	—	—	50	50	—	—	—	50	—	RR	



HEWITT PIT LANDFILL

INTEGRATED LANDFILL SURFACE MONITORING

Personnel: RICK ROBERTS
MIKE GEORGET

Date: 6-23-00 Instrument used: OVA 128

Temperature: 70°

Grid ID	Staff Initials	Time Start	Time Stop	TOC ppm	Roto-mtr, cc/min	Wind spd, mph/direct	Remarks
19	MG	0630	0655	3	333	3 5	
20	RR	0630	0655	3	333	3 5	
21	MG	0655	0720	3	333	3 5	
22	RR	0655	0720	5	333	3 5	
23	MG	0720	0745	4	333	4 4	
24	RR	0720	0745	3	333	4 4	
25	MG	0745	0810	3	333	4 4	
26	RR	0745	0810	3	333	4 4	
27	MG	0810	0835	3	333	3 6	
28	RR	0810	0835	3	333	3 6	
29	MG	0835	0900	3	333	3 6	
30	RR	0835	0900	3	333	3 6	
31	MG	0900	0925	3	333	4 5	
32	RR	0900	0925	4	333	4 5	
33	MG	0925	0945	4	333	4 5	
34	RR	0925	0945	3	333	4 5	
35	MG	0945	1010	3	333	4 5	
36	RR	0945	1010	3	333	4 5	
37	MG	1010	1035	3	333	4 6	

Attach Calibration Sheet
Attach site map showing grid ID

Page ___ of ___

Wp:hotspots 2000.wkst

HEWITT PIT LANDFILL

INTEGRATED LANDFILL SURFACE MONITORING

Personnel: RICK ROBERTS
MIKE GEORGEL

Date: 6-23-00 Instrument used: OVA 128

Temperature: 90°

Grid ID	Staff Initials	Time Start	Time Stop	TOC ppm	Roto-mtr, cc/min	Wind spd, mph/direct		Remarks
52	RR	1010	1035	3	333	4	6	
47	MG	1035	1100	4	333	4	6	
48	RR	1035	1100	4	333	4	6	
49	MG	1200	1225	3	333	4	8	
50	RR	1200	1225	4	333	4	8	
51	MG	1250	1315	4	333	4	6	
42	RR	1250	1315	4	333	4	6	
43	MG	1315	1340	3	333	4	6	
44	RR	1315	1340	3	333	4	6	

Attach Calibration Sheet
Attach site map showing grid ID

Page ____ of ____

Wp:hotspots 2000.wkst

RES Environmental Inc.

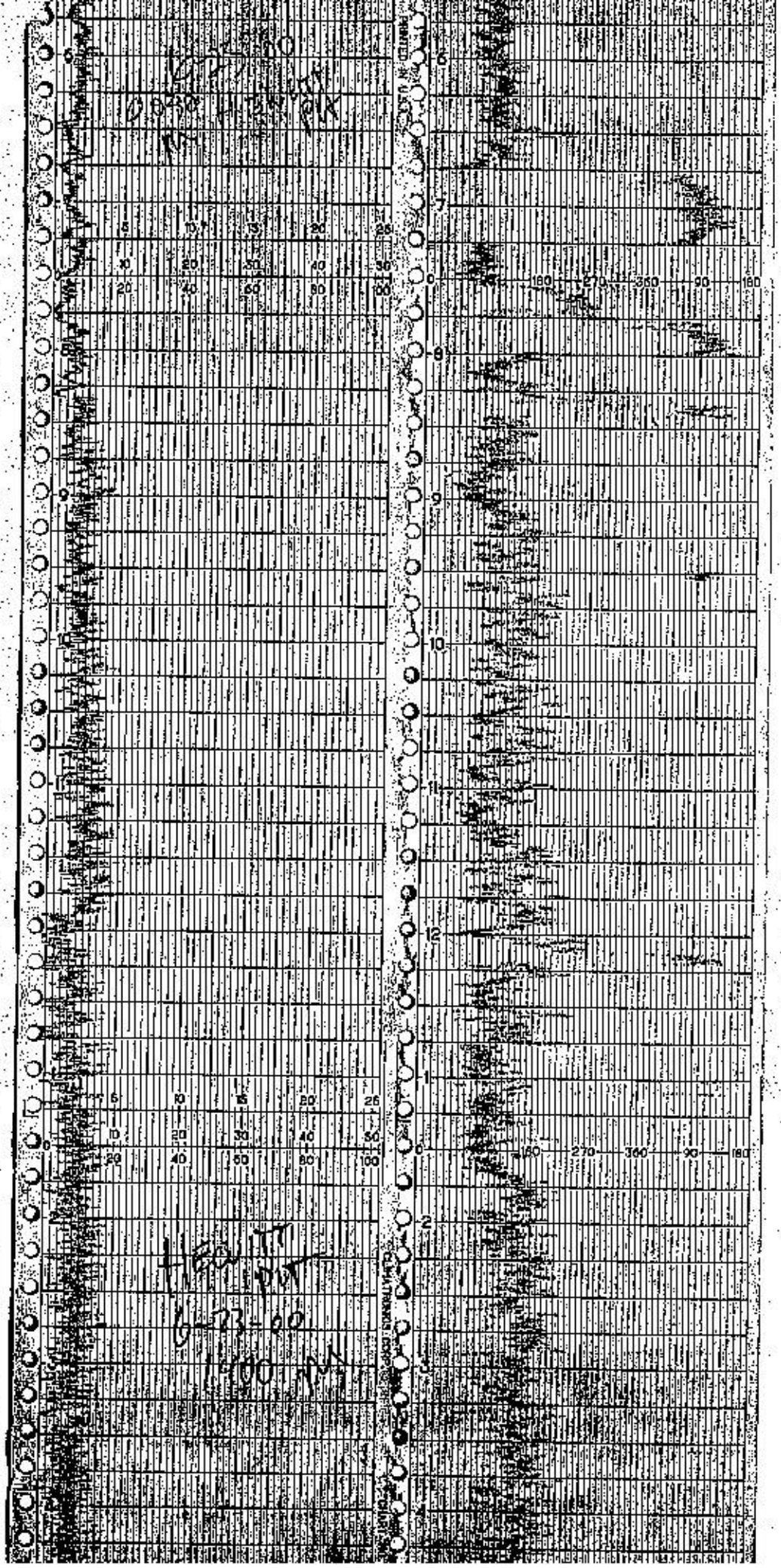
OVA CALIBRATION LOG

MAKE FoxBoro

SERIAL # 51087

MODEL # OVA 128

Operator	Date	Battery Check	Flow Meter Reading	Pressure At Suction W.C.	Zero Reading			Ch4 Calibration Gas, Unconstrained Readings						Ch4 Calibration Gas Constrained Readings						3 Ft. Calibration Check			Initial Instr. Ck. & Appr.	Comments Features
					10	100	1000	Low		Med.		High		Low		Med.		High						
					PPM	PPM	PPM	PPM	ACT	PPM	ACT	PPM	ACT	PPM	ACT	PPM	ACT	PPM	ACT	PPM	PPM	PPM		
R. Roberts	6/23	OK	2.0	✓	0	0	0	–	–	50	50	–	–	–	–	50	50	–	–	–	50	–	M	


Hewitt
6-23-00
1400 PM

HEWITT PIT LANDFILL

INTEGRATED LANDFILL SURFACE MONITORING

Personnel: R. ROBERTS
MIKE GEORGEZ

Date: 6-28-00 Instrument used: OVA 128

Temperature: 70°

Grid ID	Staff Initials	Time		TOC ppm	Roto-mtr, cc/min	Wind spd, mph/direct	Remarks
		Start	Stop				
45	MG	0700	0725	4	333	2 6	
46	RR	0700	0725	3	333	2 6	
38	MG	0725	0750	3	333	2 6	
39	RR	0725	0750	5	333	2 6	
40	MG	0750	0815	4	333	2 6	
41	M	0750	0815	4	333	2 6	

Attach Calibration Sheet
Attach site map showing grid ID

Page ____ of ____

Wp:hotspots 2000.wkst

RES Environmental Inc.

OVA CALIBRATION LOG

MAKE Foxboro

SERIAL # 51027

MODEL # Ovg 128

Operator	Date	Battery Check	Flow Meter Reading	Pressure At Suction W.C.	Zero Reading			Ch4 Calibration Gas Unconfirmed Readings						Ch4 Calibration Gas Converted Readings						D.Pt. Calibration Check			Initial Instr. O.C. & Appr.	Comments Problems
					10	100	1000	Low		Med.		High		Low		Med.		High						
					PPM	PPM	PPM	PPM	ACT	PPM	ACT	PPM	ACT	PPM	ACT	PPM	ACT	PPM	ACT	PPM	PPM	PPM		
R Roberts	6/28	Ok	2.0	V	0	0	0	—	—	—	—	500	500	—	—	—	—	500	500	—	—	500	M	

RES Environmental Inc.

LOCATION: HEWITT PIT LANDFILL

INTEGRATED SURFACE SAMPLING SHEET

GRID # #40

SAMPLE # —

CLASS # —

BAG # —

SAMPLER # M

TEMPERATURE 70°

RELATIVE HUMIDITY: 42%

BAROMETRIC PRESSURE: 30.0

DATE: 6-28-00

FLOW START: 333 cc

FLOW STOP: 333 cc

TIME START: 1200

TIME STOP: 1225

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

WIND SPEED _____ mph

WIND DIRECTION _____ 16 pt

TECHNICIAN: (Signature) M. GEORGET

The TECHNICIAN SHOULD 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: 4 PPM

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

Attachment 3

INSTANTANEOUS LANDFILL SURFACE MONITORING

JUNE 28, 2000

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HEWITT PIT LANDFILL

INSTANTANEOUS LANDFILL SURFACE MONITORING

Personnel: RICK ROBERTS
MIKE GEORGE

Date: 6-28-00 Instrument used: OVA 128

Temperature: 90°
Wind Direction: —
Ave. Wind Speed (mph): —

Grid ID	Staff Initials	Time Start	Time Stop	TOC ppm	Remarks CLEAR IS GRID PPM LESS THAN 500 PPM
1	MG	0800	0815	CLEAR	
2	RR	0800	0815	CLEAR	
3	MG	0815	0830	CLEAR	
4	RR	0815	0830	CLEAR	
5	MG	0830	0845	CLEAR	
6	RR	0830	0845	CLEAR	
7	MG	0845	0900	CLEAR	
8	RR	0845	0900	CLEAR	
9	MG	0900	0915	CLEAR	
10	RR	0900	0915	CLEAR	
11	MG	0915	0930	CLEAR	
12	RR	0915	0930	CLEAR	
13	MG	0930	0945	CLEAR	
14	RR	0930	0945	CLEAR	
15	MG	0945	1000	CLEAR	
16	RR	0945	1000	CLEAR	
17	MG	1000	1015	CLEAR	
18	RR	1000	1015	CLEAR	
19	MG	1015	1030	CLEAR	

Attach Calibration Sheet
Attach site map showing grid ID

Page ____ of ____

Wp:hotspots 2000.wkst

HEWITT PIT LANDFILL

INSTANTANEOUS LANDFILL SURFACE MONITORING

Personnel: RICK ROBERTS
MIKE GEORGEE

Date: 6-28-00 Instrument used: OVA 128

Temperature: 90°
Wind Direction: —— Ave. Wind Speed (mph): ——

Grid ID	Staff Initials	Time Start	Time Stop	TOC ppm	Remarks
20	RR	1015	1030	CLEAR	
21	MG	1030	1045	CLEAR	
22	RR	1030	1045	CLEAR	
23	MG	1045	1100	CLEAR	
24	RR	1045	1100	CLEAR	
25	MG	1100	1115	CLEAR	
26	RR	1100	1115	CLEAR	
27	MG	1115	1130	CLEAR	
28	RR	1115	1130	CLEAR	
29	MG	1130	1145	CLEAR	
30	RR	1130	1145	CLEAR	
31	MG	1145	1200	CLEAR	
32	RR	1145	1200	CLEAR	
33	MG	1200	1215	CLEAR	
34	RR	1200	1215	CLEAR	
35	MG	1215	1230	CLEAR	
36	RR	1215	1230	CLEAR	
37	MG	1230	1245	CLEAR	
38	RR	1230	1245	CLEAR	

Attach Calibration Sheet
Attach site map showing grid ID

Page ____ of ____

Wp:hotspots 2000.wkst

HEWITT PIT LANDFILL

INSTANTANEOUS LANDFILL SURFACE MONITORING

Personnel: RICK ROBERTS
MIKE GEORGEI

Date: 6-28-00 Instrument used: OVA 108

Temperature: 90°
Wind Direction: —
Ave. Wind Speed (mph): —

Grid ID	Staff Initials	Time Start	Time Stop	TOC ppm	Remarks
39	MG	1245	1300	CLEAR	
40	RR	1245	1300	CLEAR	
41	MG	1300	1315	CLEAR	
42	RR	1300	1315	CLEAR	
43	MG	1315	1330	CLEAR	
44	RR	1315	1330	CLEAR	
45	MG	1330	1345	CLEAR	
46	RR	1330	1345	CLEAR	
47	MG	1345	1400	CLEAR	
48	RR	1345	1400	CLEAR	
49	MG	1400	1415	CLEAR	
50	RR	1400	1415	CLEAR	
51	MG	1415	1430	CLEAR	
52	RR	1415	1430	CLEAR	

Attach Calibration Sheet
Attach site map showing grid ID

Page ____ of ____

Wp:hotspots 2000.wkst

Attachment 4

INTEGRATED LANDFILL SURFACE SAMPLING LABORATORY RESULTS

JUNE 28, 2000

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RES Environmental Inc.

LOCATION: HEWITT PIT LANDFILL

INTEGRATED SURFACE SAMPLING SHEET

GRID # #41

SAMPLE # —

CLASS # —

BAG # —

SAMPLER # I

TEMPERATURE 70°

RELATIVE HUMIDITY: 42%

BAROMETRIC PRESSURE: 30.0

DATE: 6-28-00

FLOW START: 333 cc

FLOW STOP: 333 cc

TIME START: 1200

TIME STOP: 1225

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

WIND SPEED _____ mph

WIND DIRECTION _____ 16 pt

TECHNICIAN: (Signature) R. ROBERTS

The TECHNICIAN SHOULD 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: 4 PPM

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

RES Environmental Inc.

OVA CALIBRATION LOG

MAKE FOXBORO

SERIAL # 5/087

MODEL # OVA 128

Operator	Date	Battery Check	Flow Meter Reading	Pressure In Inches W.C.	Zero Reading			Old Calibration Gas, Uncorrected Readings						Old Calibration Gas Corrected Readings						3 Pt. Calibration Check			Initial Instr. Cal. & Appr.	Comments Problems
					10	100	1000	Low		Med.		High		Low		Med.		High						
					PPM	PPM	PPM	PPM	ACT	PPM	ACT	PPM	ACT	PPM	ACT	PPM	ACT	PPM	ACT	PPM	PPM	PPM		
R. ROBERTS	6/28	OK	2.0	✓	0	0	0	—	—	50	50	—	—	—	—	50	50	—	—	—	50	—	ML	

RES Environmental Inc.

OVA CALIBRATION LOG

MAKE Foxboro

SERIAL # 50453

MODEL # OVA 128

Operator	Date	Battery Check	Flow Meter Reading	Pressure At Suction W.C.	Zero Reading			Ch4 Calibration Gas, Unattenuated Readings						Ch4 Calibration Gas Attenuated Readings						3 Ft. Calibration Check			Initial Instr. Cal. & Appr.	Comments Positions
					10	100	1000	Low		Med.		High		Low		Med.		High						
					PPM	PPM	PPM	PPM	ACT	PPM	ACT	PPM	ACT	PPM	ACT	PPM	ACT	PPM	ACT	PPM	PPM	PPM		
M. GEORGE I	6/28	OK	1.5	V	0	0	0	—	—	—	—	500	500	—	—	—	—	500	500	—	—	500	M	

Attachment 5

SUBSURFACE BOUNDARY

PROBE TAC

LABORATORY RESULTS

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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 10, 2000
Client: GC Environmental
Project Location: Hewitt Pit Landfill
Date Received: June 30, 2000
Date Analyzed: June 30-July 3, 2000

AtmAA Lab No.:	01820-2	01820-3
Sample I.D.:	ISS Grid #40	ISS Grid #41
Components	*(Concentration in ppmv)*	
Methane	2.44	2.48
TGNMO	2.30	2.47
	(Concentration in ppbv)	
Hydrogen sulfide	<1	<1
Benzene	1.12	1.17
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	0.31	0.40
1,2-dibromoethane	<0.1	<0.1
Perchloroethene	0.32	0.31
Carbon tetrachloride	0.10	0.11
Toluene	4.72	4.20
1,1,1-trichloroethane	0.30	0.54
Trichloroethene	0.10	0.10
Chloroform	0.10	<0.1
Vinyl chloride	<0.1	<0.1
m+p-xylenes	2.22	2.12
o-xylene	0.60	0.46

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

Michael L. Porter
Laboratory Director

QUALITY ASSURANCE SUMMARY

(Repeat Analyses)

Project Location: Hewitt Pit Landfill
Date Received: June 30, 2000
Date Analyzed: June 30-July 3, 2000

Components	Sample ID	Repeat Analysis Run #1	Repeat Analysis Run #2	Mean Conc.	% Diff. From Mean
		(Concentration in ppmv)			
Methane	Grid #40	2.47	2.41	2.44	1.2
TGNMO	Grid #40	2.21	2.39	2.30	3.9
		(Concentration in ppbv)			
Hydrogen sulfide	Grid #40	<1	<1	---	---
Benzene	Grid #40	1.04	1.20	1.12	7.1
Benzylchloride	No Repeat				
Chlorobenzene	No Repeat				
Dichlorobenzenes	No Repeat				
1,1-dichloroethane	No Repeat				
1,2-dichloroethane	No Repeat				
1,1-dichloroethylene	No Repeat				
Dichloromethane	Grid #40	0.28	0.34	0.31	9.7
1,2-dibromoethane	No Repeat				
Perchloroethene	Grid #40	0.33	0.32	0.32	1.5
Carbon tetrachloride	Grid #40	0.11	0.10	0.10	4.8
Toluene	Grid #40	4.62	4.81	4.72	2.0
1,1,1-trichloroethane	Grid #40	0.31	0.30	0.30	1.6
Trichloroethene	Grid #40	0.11	0.10	0.10	4.8
Chloroform	Grid #40	0.11	0.10	0.10	4.8
Vinyl chloride	No Repeat				
m+p-xylenes	Grid #40	2.17	2.26	2.22	2.0
o-xylene	Grid #40	0.58	0.62	0.60	3.3

Two Tedlar bag samples, laboratory numbers 01820-(2 & 3), were analyzed for SCAQMD Rule 1150.1 components, methane, and total gaseous non-methane organics (TGNMO). Agreement between repeat analyses is a measure of precision and is shown above in the column "% Difference from Mean". Repeat analyses are an important part of AtmAA's quality assurance program. The average % Difference from Mean for 12 repeat measurements from the two Tedlar bag samples is 3.9%.

CHAIN OF CUSTODY RECORD

Client/Project Name	Project Location
GCE / HEWITT PIT LANDFILL	NORTH HOLLYWOOD
Project No.	Field Logbook No.
Sampler: (Print) R. ROBERTS	(Signature) [signature]
No. Of Containers 2	

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	METHANE	TUMH	TAC			Remarks
GRID # 40	6-28-00	1200-1225	01820-2	INTEGRATED	X	X	X			
GRID # 41	6-28-00	1200-1225	-3	INTEGRATED	X	X	X			

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	6-30-00	0840	[signature]	6-30-00	0840
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
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 Lala • Colton, California 92324
(909) 422-1001 Fax (909) 422-0707

Analytical Laboratory

Attachment 3

INSTANTANEOUS LANDFILL SURFACE MONITORING

JUNE 28, 2000

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HEWITT PIT LANDFILL

INSTANTANEOUS LANDFILL SURFACE MONITORING

Personnel: RICK ROBERTS
MIKE GEORGE

Date: 6-28-00 Instrument used: OVA 128

Temperature: 90°
Wind Direction: —— Ave. Wind Speed (mph): ——

Grid ID	Staff Initials	Time Start	Time Stop	TOC ppm	Remarks CLEAR IS GRID PPM LESS THAN 500 PPM
1	MG	0800	0815	CLEAR	
2	RR	0800	0815	CLEAR	
3	MG	0815	0830	CLEAR	
4	RR	0815	0830	CLEAR	
5	MG	0830	0845	CLEAR	
6	RR	0830	0845	CLEAR	
7	MG	0845	0900	CLEAR	
8	RR	0845	0900	CLEAR	
9	MG	0900	0915	CLEAR	
10	RR	0900	0915	CLEAR	
11	MG	0915	0930	CLEAR	
12	RR	0915	0930	CLEAR	
13	MG	0930	0945	CLEAR	
14	RR	0930	0945	CLEAR	
15	MG	0945	1000	CLEAR	
16	RR	0945	1000	CLEAR	
17	MG	1000	1015	CLEAR	
18	RR	1000	1015	CLEAR	
19	MG	1015	1030	CLEAR	

Attach Calibration Sheet
Attach site map showing grid ID

Page ____ of ____

Wp:hotspots 2000.wkst

HEWITT PIT LANDFILL

INSTANTANEOUS LANDFILL SURFACE MONITORING

Personnel: Rick Roberts
Mike Georgez

Date: 6-28-00 Instrument used: OVA 128

Temperature: 70°
Wind Direction: —— Ave. Wind Speed (mph): ——

Grid ID	Staff Initials	Time Start	Time Stop	TOC ppm	Remarks
20	RR	1015	1030	CLEAR	
21	MG	1030	1045	CLEAR	
22	RR	1030	1045	CLEAR	
23	MG	1045	1100	CLEAR	
24	RR	1045	1100	CLEAR	
25	MG	1100	1115	CLEAR	
26	RR	1100	1115	CLEAR	
27	MG	1115	1130	CLEAR	
28	RR	1115	1130	CLEAR	
29	MG	1130	1145	CLEAR	
30	RR	1130	1145	CLEAR	
31	MG	1145	1200	CLEAR	
32	RR	1145	1200	CLEAR	
33	MG	1200	1215	CLEAR	
34	RR	1200	1215	CLEAR	
35	MG	1215	1230	CLEAR	
36	RR	1215	1230	CLEAR	
37	MG	1230	1245	CLEAR	
38	RR	1230	1245	CLEAR	

Attach Calibration Sheet
Attach site map showing grid ID

Page ____ of ____

Wp:hotspots 2000.wkst

HEWITT PIT LANDFILL

INSTANTANEOUS LANDFILL SURFACE MONITORING

Personnel: RICK ROBERTS
MIKE GEORGEI

Date: 6-28-00 Instrument used: OVA 108

Temperature: 70°
Wind Direction: —
Ave. Wind Speed (mph): —

Grid ID	Staff Initials	Time Start	Time Stop	TOC ppm	Remarks
39	MG	1245	1300	CLEAR	
40	RR	1245	1300	CLEAR	
41	MG	1300	1315	CLEAR	
42	RR	1300	1315	CLEAR	
43	MG	1315	1330	CLEAR	
44	RR	1315	1330	CLEAR	
45	MG	1330	1345	CLEAR	
46	RR	1330	1345	CLEAR	
47	MG	1345	1400	CLEAR	
48	RR	1345	1400	CLEAR	
49	MG	1400	1415	CLEAR	
50	RR	1400	1415	CLEAR	
51	MG	1415	1430	CLEAR	
52	RR	1415	1430	CLEAR	

Attach Calibration Sheet
Attach site map showing grid ID

Page ____ of ____

Wp:hotspots 2000.wkst

Attachment 4

INTEGRATED LANDFILL SURFACE SAMPLING LABORATORY RESULTS

JUNE 28, 2000

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RES Environmental Inc.

LOCATION: HEWITT PIT LANDFILL

INTEGRATED SURFACE SAMPLING SHEET

GRID # #41

SAMPLE # —

CLASS # —

BAG # —

SAMPLER # I

TEMPERATURE 70°

RELATIVE HUMIDITY: 42%

BAROMETRIC PRESSURE: 30.0

DATE: 6-28-00

FLOW START: 333 cc

FLOW STOP: 333 cc

TIME START: 1200

TIME STOP: 1225

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

WIND SPEED _____ mph

WIND DIRECTION _____ 16 pt

TECHNICIAN: (Signature) R. ROBERTS

The TECHNICIAN SHOULD 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: 4 PPM

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RES Environmental Inc.

OVA CALIBRATION LOG

MAKE FOXBORO.

SERIAL # 51087

MODEL # OVA 128

Operator	Date	Battery Check	Flow Meter Reading	Pressure At Switch W.C.	Zero Reading			Ovi Calibration Gas Unconnected Readings						Ovi Calibration Gas Connected Readings						3 Ft. Calibration Check			Initial Instr. Ok & Appr.	Comments Features
					10	100	1000	Low		Med.		High		Low		Med.		High						
					PPM	PPM	PPM	PPM	ACT	PPM	ACT	PPM	ACT	PPM	ACT	PPM	ACT	PPM	ACT	PPM	PPM	PPM		
R. ROBERTS	6/28	OK	2.0	✓	0	0	0	—	—	50	50	—	—	—	—	50	50	—	—	—	50	—	M	

RES Environmental Inc.

OVA CALIBRATION LOG

MAKE Foxboro

SERIAL # 50453

MODEL # OVA 128

Operator	Date	Battery Check	Floor Meter Reading	Pressure At Bottom 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	D.Ft. Calibration Check PPM	PPM	PPM	Initial Instr. DE & Appr.	Comments Features
M. GEORGE I	6/28	OK	KS	V	0	0	0	—	—	—	—	500	500	—	—	—	—	500	500	—	—	500	M	

Attachment 5

SUBSURFACE BOUNDARY PROBE TAC LABORATORY RESULTS

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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: July 10, 2000
Client: GC Environmental
Project Location: Hewitt Pit Landfill
Date Received: June 30, 2000
Date Analyzed: June 30-July 3, 2000

AtmAA Lab No.:	01820-2	01820-3
Sample I.D.:	ISS Grid #40	ISS Grid #41
Components	*(Concentration in ppmv)*	
Methane	2.44	2.48
TGNMO	2.30	2.47
	(Concentration in ppbv)	
Hydrogen sulfide	<1	<1
Benzene	1.12	1.17
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	0.31	0.40
1,2-dibromoethane	<0.1	<0.1
Perchloroethene	0.32	0.31
Carbon tetrachloride	0.10	0.11
Toluene	4.72	4.20
1,1,1-trichloroethane	0.30	0.54
Trichloroethene	0.10	0.10
Chloroform	0.10	<0.1
Vinyl chloride	<0.1	<0.1
m+p-xylenes	2.22	2.12
o-xylene	0.60	0.46

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

Michael L. Porter
Laboratory Director

QUALITY ASSURANCE SUMMARY

(Repeat Analyses)

Project Location: Hewitt Pit Landfill
Date Received: June 30, 2000
Date Analyzed: June 30-July 3, 2000

Components	Sample ID	Repeat Analysis Run #1	Repeat Analysis Run #2	Mean Conc.	% Diff. From Mean
		(Concentration in ppmv)			
Methane	Grid #40	2.47	2.41	2.44	1.2
TGNMO	Grid #40	2.21	2.39	2.30	3.9
		(Concentration in ppbv)			
Hydrogen sulfide	Grid #40	<1	<1	---	---
Benzene	Grid #40	1.04	1.20	1.12	7.1
Benzylchloride	No Repeat				
Chlorobenzene	No Repeat				
Dichlorobenzenes	No Repeat				
1,1-dichloroethane	No Repeat				
1,2-dichloroethane	No Repeat				
1,1-dichloroethylene	No Repeat				
Dichloromethane	Grid #40	0.28	0.34	0.31	9.7
1,2-dibromoethane	No Repeat				
Perchloroethene	Grid #40	0.33	0.32	0.32	1.5
Carbon tetrachloride	Grid #40	0.11	0.10	0.10	4.8
Toluene	Grid #40	4.62	4.81	4.72	2.0
1,1,1-trichloroethane	Grid #40	0.31	0.30	0.30	1.6
Trichloroethene	Grid #40	0.11	0.10	0.10	4.8
Chloroform	Grid #40	0.11	0.10	0.10	4.8
Vinyl chloride	No Repeat				
m+p-xylenes	Grid #40	2.17	2.26	2.22	2.0
o-xylene	Grid #40	0.58	0.62	0.60	3.3

Two Tedlar bag samples, laboratory numbers 01820-(2 & 3), were analyzed for SCAQMD Rule 1150.1 components, methane, and total gaseous non-methane organics (TGNMO). Agreement between repeat analyses is a measure of precision and is shown above in the column "% Difference from Mean". Repeat analyses are an important part of AtmAA's quality assurance program. The average % Difference from Mean for 12 repeat measurements from the two Tedlar bag samples is 3.9%.

CHAIN OF CUSTODY RECORD

Client/Project Name: GCE/ HEWITT PIT LANDFILL

Project Location: NORTH HOLLYWOOD

Project No.:

Field Logbook No.:

Sampler: (Print): R. ROBERTS

(Signature): [signature]

No. Of Containers: 2

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	METHANE	TUMH	TAC			Remarks
GRID# 40	6-28-00	1200 - 1225	01820-2	INTEGRATED	X	X	X			
GRID# 41	6-28-00	1200-1225	-3	INTEGRATED	X	X	X			

	Date	Time		Date	Time
Relinquished by: (Signature) [signature]	6-30-00	0840	Received by: (Signature) [signature]	6-30-00	0840
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received for Laboratory: (Signature)		

Sample Disposal Method:

Disposed of by: (Signature)

Date: Time:

Sample Collector

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

Analytical Laboratory