THIRD QUARTERLY AIR QUALITY MONITORING REPORT for the HEWITT PIT LANDFILL

July-September 2003

Facility I.D.: 3530; Sector: PB
Application #343861
7245 Laurel Canyon Boulevard
North Hollywood, CA 91605-3709

Submitted to

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
21865 East Copley Drive
Diamond Bar, California 91765

Prepared by

GC ENVIRONMENTAL, INC.
1230 North Jefferson Street, Suite J
Anaheim, California 92807

On behalf of

CALMAT PROPERTIES
3200 San Fernando Road
Los Angeles, California 90065

Project Number 1003-8
October 2003

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
THIRD QUARTER 2003 QUARTERLY MONITORING REPORT
FOR THE
HEWITT PIT LANDFILL

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Los Angeles, California 90065

Project 1003-8

Brian Millage
Project Manager

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1.0 INTRODUCTION

This Third Quarter Air Quality Monitoring Report has been prepared for the Hewitt Pit Landfill in accordance with the South Coast Air Quality Management District's (SCAQMD) approved Rule 1150.1 Compliance Plan issued on December 17, 1999. The Hewitt Landfill is in compliance with all requirements of the 1150.1 plan. Additionally, no exceedances were measured in any of the testing performed.

The conditions of the plan and the monitoring results are summarized on the following table. **Figure 1** shows a layout of the landfill.

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 TOC exceedances measured in any of the probes. Probe monitoring data is attached to this report as **Attachment 1.** The probe identification table is shown as **Attachment 2.** Monitoring was performed weekly for most of this quarter.
TACs in probes.	Annually 2nd Quarterly Report.	Not required for this quarter.
Integrated surface sampling to be less than 50 ppmv as TOCs.	Annually 2nd Quarterly Report	Not required for this quarter.
Instantaneous surface monitoring to be less than 500 ppmv as TOCs.	Annually 2nd Quarterly Report	Not required for this quarter.
TOCs and TACs in the main gas collection header inlet.	Annually, included with this report.	Laboratory results listed as **Attachment 3.**
Flare source test and destruction of NMOCs as specified in SCAQMD Rule 1150.1 Section (j)(1)(B).	Annually, included with this report.	The annual source test result summary and efficiency table is attached to this compliance report as **Attachment 4.** The flare destruction efficiency was 96.9%. The NMOC exhaust concentration was 0.96 ppm hexane at 3% oxygen, well below the 20 ppm concentration limit.

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Figure 1

PROBE LOCATIONS

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REV.	DATE	DESCRIPTION	BY

ENGINEER: GC ENVIRONMENTAL, INC.
1220 NORTH JEFFERSON ST. SUITE J
ANAHEIM CA, 92807, (714) 632-5562

PROJECT LOCATION: HEWITT PIT LANDFILL
N. HOLLYWOOD, CA

DESCRIPTION: GAS MONITORING PROBE LOCATIONS

PROJECT NO. 1993-1 | REF. PAGE | FILE NAME

SHEET: FIG-1

Attachment 1

GAS PROBE

MONITORING DATA

July through September 2003

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OCT 15 2003

Hewitt Pit Probe Data - 7/1/2003 to 9/30/2003

Field Technician and Weather Conditions						
Technician	Date	Ambient Temp	Barometric Pressure (in - Hg)	General Weather	Wind Speed	Wind Direction
erik m.	07/02/2003	90	2998	Clear		
jose a.	07/02/2003	76	2990	Clear		
jose a.	07/08/2003	90	2996	Clear		
erik m.	07/15/2003	90	2996	Clear		
jose a.	07/15/2003	90	2996	Clear		
erik m.	07/22/2003	88	2994	Clear		
erik m.	07/29/2003	90	2996	Clear		
jose a.	07/29/2003	90	2996	Clear		
jose a	08/05/2003	90	2996	Clear		
jose a	08/12/2003	90	2996	Clear		
miguel	08/12/2003	90	2996	Clear		
jose a	08/19/2003	90	2996	Clear		
miguel g	08/19/2003	92	2996	Clear		
jose a	08/26/2003	90	2996	Clear		
miguel	08/26/2003	90	2996	Clear		
jose a	09/09/2003	90	2994	Clear		
miguel	09/09/2003	88	2994	Clear		
miguel	09/16/2003	90	2996	Clear		
miguel	09/23/2003	88	2994	Clear		
miguel	09/30/2003	88	2994	Clear		

Name	Date	Time	Methane (% by vol)	Carbon Dioxide (% by vol)	Oxygen (% by vol)	Balance Gas (% by vol)	Static Press (Inch H2O)	Comments
01M	07/02/2003	08:32	0.00	1.20	19.40	79.40	0.00	
01M	07/08/2003	08:25	0.00	1.80	18.90	79.30	0.00	
01M	07/15/2003	08:35	0.00	1.60	18.80	79.60	0.00	
01M	07/22/2003	11:37	0.00	1.50	18.40	80.10	0.00	
01M	07/29/2003	07:32	0.00	1.70	18.60	79.70	0.00	
01M	08/05/2003	07:39	0.00	1.60	18.70	79.70	0.00	
01M	08/12/2003	08:02	0.00	1.20	18.90	79.90	0.00	
01M	08/19/2003	12:49	0.00	1.70	18.30	80.00	0.00	
01M	08/26/2003	08:08	0.00	1.60	18.60	79.80	0.00	
01M	09/09/2003	07:45	0.00	2.10	18.30	79.60	0.00	
01M	09/16/2003	10:52	0.00	1.70	18.30	80.00	0.00	
01M	09/23/2003	08:59	0.00	2.20	18.60	79.20	0.00	
01M	09/30/2003	08:34	0.00	1.80	19.00	79.20	0.00	
02M	07/02/2003	08:33	0.00	0.00	20.90	79.10	0.00	
02M	07/08/2003	08:26	0.00	0.00	20.70	79.30	0.00	
02M	07/15/2003	08:36	0.00	0.00	20.60	79.40	0.00	
02M	07/22/2003	11:37	0.00	0.00	20.30	79.70	0.00	
02M	07/29/2003	07:33	0.00	0.00	20.40	79.60	0.00	

Hewitt Pit Probe Data - 7/1/2003 to 9/30/2003

Name	Date	Time	Methane (% by vol)	Carbon Dioxide (% by vol)	Oxygen (% by vol)	Balance Gas (% by vol)	Static Press (Inch H2O)	Comments
02M	08/05/2003	07:40	0.00	0.00	20.60	79.40	0.00	
02M	08/12/2003	09:07	0.00	0.00	19.90	80.10	0.00	
02M	08/19/2003	12:50	0.00	1.90	17.30	80.80	0.00	
02M	08/26/2003	08:09	0.00	0.00	20.50	79.50	0.00	
02M	09/09/2003	07:46	0.00	0.00	20.00	80.00	0.00	
02M	09/16/2003	10:53	0.00	1.50	17.60	80.90	0.00	
02M	09/23/2003	09:00	0.00	0.00	20.70	79.30	0.00	
02M	09/30/2003	08:35	0.00	0.00	20.80	79.20	0.00	
03M	07/02/2003	08:35	0.00	0.20	20.80	79.00	0.00	
03M	07/08/2003	08:34	0.00	0.10	20.70	79.20	0.00	
03M	07/15/2003	08:38	0.00	0.00	20.50	79.50	0.00	
03M	07/22/2003	11:40	0.00	0.00	20.30	79.70	0.00	
03M	07/29/2003	07:35	0.00	0.10	20.30	79.60	0.00	
03M	08/05/2003	07:42	0.00	0.00	20.60	79.40	0.00	
03M	08/12/2003	08:05	0.00	0.20	20.00	79.80	0.00	
03M	08/19/2003	12:52	0.00	0.00	20.30	79.70	0.00	
03M	08/26/2003	08:11	0.00	0.00	20.50	79.50	0.00	
03M	09/09/2003	07:47	0.00	0.10	20.50	79.40	0.00	
03M	09/16/2003	10:56	0.00	0.00	20.10	79.90	0.00	
03M	09/23/2003	09:03	0.00	0.20	20.70	79.10	0.00	
03M	09/30/2003	08:37	0.00	0.10	21.00	78.90	0.00	
04M	07/02/2003	08:36	0.00	0.10	20.80	79.10	0.00	
04M	07/08/2003	08:35	0.00	0.20	20.70	79.10	0.00	
04M	07/15/2003	08:38	0.00	0.00	20.50	79.50	0.00	
04M	07/22/2003	11:41	0.00	0.00	20.30	79.70	0.00	
04M	07/29/2003	07:36	0.00	0.00	20.40	79.60	0.00	
04M	08/05/2003	07:43	0.00	0.00	20.60	79.40	0.00	
04M	08/12/2003	09:11	0.00	0.10	19.70	80.20	0.00	
04M	08/19/2003	12:52	0.00	0.10	20.30	79.60	0.00	
04M	08/26/2003	08:12	0.00	0.00	20.50	79.50	0.00	
04M	09/09/2003	07:48	0.00	0.00	20.60	79.40	0.00	
04M	09/16/2003	10:57	0.00	0.00	20.30	79.70	0.00	
04M	09/23/2003	09:04	0.00	0.20	20.80	79.00	0.00	
04M	09/30/2003	08:38	0.00	0.20	20.90	78.90	0.00	
05M	07/02/2003	08:37	0.00	0.20	20.80	79.00	0.00	
05M	07/08/2003	08:38	0.00	0.10	20.90	79.00	0.00	
05M	07/15/2003	08:40	0.00	0.30	20.30	79.40	0.00	
05M	07/22/2003	11:43	0.00	1.60	18.20	80.20	0.00	
05M	07/29/2003	07:38	0.00	0.20	20.20	79.60	0.00	
05M	08/05/2003	07:45	0.00	0.40	20.00	79.60	0.00	
05M	08/12/2003	08:08	0.00	0.70	19.70	79.60	0.00	
05M	08/19/2003	12:54	0.00	1.70	17.80	80.50	0.00	

Hewitt Pit Probe Data - 7/1/2003 to 9/30/2003

Name	Date	Time	Methane (% by vol)	Carbon Dioxide (% by vol)	Oxygen (% by vol)	Balance Gas (% by vol)	Static Press (Inch H2O)	Comments
05M	08/26/2003	08:14	0.00	1.10	18.90	80.00	0.00	
05M	09/09/2003	07:50	0.00	1.00	19.30	79.70	0.00	
05M	09/16/2003	10:59	0.00	2.00	17.70	80.30	0.00	
05M	09/23/2003	09:07	0.00	1.60	19.10	79.30	0.00	
05M	09/30/2003	08:41	0.00	0.20	20.90	78.90	0.00	
06M	07/02/2003	08:39	0.00	0.00	20.90	79.10	0.00	
06M	07/08/2003	08:39	0.00	0.00	20.80	79.20	0.00	
06M	07/15/2003	08:41	0.00	0.00	20.70	79.30	0.00	
06M	07/22/2003	11:44	0.00	0.00	20.30	79.70	0.00	
06M	07/29/2003	07:39	0.00	0.10	20.20	79.70	0.00	
06M	08/05/2003	07:46	0.00	0.30	20.40	79.30	0.00	
06M	08/12/2003	09:14	0.00	0.00	19.60	80.40	0.00	
06M	08/19/2003	12:55	0.00	0.40	19.60	80.00	0.00	
06M	08/26/2003	08:15	0.00	0.00	20.50	79.50	0.00	
06M	09/09/2003	07:51	0.00	0.00	20.70	79.30	0.00	
06M	09/16/2003	11:03	0.00	0.00	20.20	79.80	0.00	
06M	09/23/2003	09:09	0.00	0.00	21.00	79.00	0.00	
06M	09/30/2003	08:43	0.00	0.00	20.90	79.10	0.00	
07M	07/02/2003	08:39	0.00	0.00	20.90	79.10	0.00	
07M	07/08/2003	08:40	0.00	0.00	20.70	79.30	0.00	
07M	07/15/2003	08:42	0.00	0.00	20.80	79.20	0.00	
07M	07/22/2003	11:45	0.00	0.00	20.40	79.60	0.00	
07M	07/29/2003	07:40	0.00	0.10	20.10	79.80	0.00	
07M	08/05/2003	07:46	0.00	0.00	20.80	79.20	0.00	
07M	08/12/2003	09:15	0.00	0.00	19.90	80.10	0.00	
07M	08/19/2003	12:56	0.00	0.10	20.60	79.30	0.00	
07M	08/26/2003	08:16	0.00	0.00	20.60	79.40	0.00	
07M	09/09/2003	07:52	0.00	0.00	20.80	79.20	0.00	
07M	09/16/2003	11:04	0.00	0.00	20.60	79.40	0.00	
07M	09/23/2003	09:10	0.00	0.00	21.00	79.00	0.00	
07M	09/30/2003	08:43	0.00	0.00	21.10	78.90	0.00	
08M	07/02/2003	08:41	0.00	0.40	20.40	79.20	0.00	
08M	07/08/2003	08:42	0.00	0.30	20.50	79.20	0.00	
08M	07/15/2003	08:44	0.00	0.20	20.60	79.20	0.00	
08M	07/22/2003	11:47	0.00	0.90	19.40	79.70	0.00	
08M	07/29/2003	07:42	0.00	0.30	20.00	79.70	0.00	
08M	08/05/2003	07:48	0.00	0.30	20.40	79.30	0.00	
08M	08/12/2003	09:18	0.00	0.50	19.30	80.20	0.00	
08M	08/19/2003	12:58	0.00	0.50	19.80	79.70	0.00	
08M	08/26/2003	08:18	0.00	0.60	19.90	79.50	0.00	
08M	09/09/2003	07:53	0.00	1.00	19.60	79.40	0.00	
08M	09/16/2003	11:06	0.00	0.80	19.60	79.60	0.00	

Hewitt Pit Probe Data - 7/1/2003 to 9/30/2003

Name	Date	Time	Methane (% by vol)	Carbon Dioxide (% by vol)	Oxygen (% by vol)	Balance Gas (% by vol)	Static Press (Inch H2O)	Comments
08M	09/23/2003	09:13	0.00	1.10	19.60	79.30	0.00	
08M	09/30/2003	08:46	0.00	0.00	21.10	78.90	0.00	
09M	07/02/2003	08:42	0.00	0.20	20.70	79.10	0.00	
09M	07/08/2003	08:43	0.00	0.10	20.70	79.20	0.00	
09M	07/15/2003	08:45	0.00	0.00	20.30	79.70	0.00	
09M	07/22/2003	11:48	0.00	0.10	20.00	79.90	0.00	
09M	07/29/2003	07:42	0.00	0.10	20.30	79.60	0.00	
09M	08/05/2003	07:49	0.00	0.00	20.60	79.40	0.00	
09M	08/12/2003	09:19	0.00	0.00	20.00	80.00	0.00	
09M	08/19/2003	12:59	0.00	1.10	19.30	79.60	0.00	
09M	08/26/2003	08:19	0.00	0.00	20.50	79.50	0.00	
09M	09/09/2003	07:54	0.00	0.00	20.60	79.40	0.00	
09M	09/16/2003	11:08	0.00	0.90	19.50	79.60	0.00	
09M	09/23/2003	09:14	0.00	0.00	21.00	79.00	0.00	
09M	09/30/2003	08:47	0.00	0.00	21.10	78.90	0.00	
10M	07/02/2003	08:43	0.00	0.10	20.70	79.20	0.00	
10M	07/08/2003	08:44	0.00	0.00	20.80	79.20	0.00	
10M	07/15/2003	08:47	0.00	0.00	20.30	79.70	0.00	
10M	07/22/2003	11:50	0.00	0.00	20.30	79.70	0.00	
10M	07/29/2003	07:44	0.00	0.00	20.50	79.50	0.00	
10M	08/05/2003	07:51	0.00	0.00	20.70	79.30	0.00	
10M	08/12/2003	08:14	0.00	0.00	20.50	79.50	0.00	
10M	08/19/2003	13:00	0.00	0.10	20.40	79.50	0.00	
10M	08/26/2003	08:20	0.00	0.00	20.50	79.50	0.00	
10M	09/09/2003	07:56	0.00	0.00	20.60	79.40	0.00	
10M	09/16/2003	11:09	0.00	0.00	20.20	79.80	0.00	
10M	09/23/2003	09:17	0.00	0.10	20.80	79.10	0.00	
10M	09/30/2003	08:49	0.00	0.00	21.10	78.90	0.00	
11M	07/02/2003	08:44	0.00	0.10	20.60	79.30	0.00	
11M	07/08/2003	08:45	0.00	0.00	20.80	79.20	0.00	
11M	07/15/2003	08:48	0.00	0.00	20.50	79.50	0.00	
11M	07/22/2003	11:51	0.00	0.00	20.40	79.60	0.00	
11M	07/29/2003	07:45	0.00	0.00	20.00	80.00	0.00	
11M	08/05/2003	07:51	0.00	0.00	20.70	79.30	0.00	
11M	08/12/2003	08:14	0.00	0.00	19.90	80.10	0.00	
11M	08/19/2003	13:01	0.00	0.00	20.30	79.70	0.00	
11M	08/26/2003	08:21	0.00	0.00	20.30	79.70	0.00	
11M	09/09/2003	07:56	0.00	0.00	20.60	79.40	0.00	
11M	09/16/2003	11:10	0.00	0.20	19.00	80.80	0.00	
11M	09/23/2003	09:18	0.00	0.00	21.00	79.00	0.00	
11M	09/30/2003	08:50	0.00	0.20	19.90	79.90	0.00	
12M	07/02/2003	08:45	0.00	0.10	20.90	79.00	0.00	

Hewitt Pit Probe Data - 7/1/2003 to 9/30/2003

Name	Date	Time	Methane (% by vol)	Carbon Dioxide (% by vol)	Oxygen (% by vol)	Balance Gas (% by vol)	Static Press (Inch H2O)	Comments
12M	07/08/2003	08:46	0.10	0.00	20.80	79.10	0.00	
12M	07/15/2003	08:48	0.00	0.00	20.60	79.40	0.00	
12M	07/22/2003	11:52	0.00	0.00	20.50	79.50	0.00	
12M	07/29/2003	07:45	0.00	0.00	20.50	79.50	0.00	
12M	08/05/2003	07:52	0.00	0.00	20.80	79.20	0.00	
12M	08/12/2003	08:15	0.00	0.00	20.60	79.40	0.00	
12M	08/19/2003	13:02	0.00	0.00	20.60	79.40	0.00	
12M	08/26/2003	08:22	0.00	0.00	20.60	79.40	0.00	
12M	09/09/2003	07:57	0.00	0.00	20.80	79.20	0.00	
12M	09/16/2003	11:11	0.00	0.00	20.10	79.90	0.00	
12M	09/23/2003	09:19	0.00	0.00	21.10	78.90	0.00	
12M	09/30/2003	08:51	0.00	0.00	20.60	79.40	0.00	
13M	07/02/2003	08:46	0.00	0.00	20.90	79.10	0.00	
13M	07/08/2003	08:47	0.00	0.60	20.50	78.90	0.00	
13M	07/15/2003	08:49	0.00	0.00	20.40	79.60	0.00	
13M	07/22/2003	11:52	0.00	0.00	20.10	79.90	0.00	
13M	07/29/2003	07:51	0.00	0.00	20.20	79.80	0.00	
13M	08/05/2003	07:53	0.00	0.20	20.40	79.40	0.00	
13M	08/12/2003	09:22	0.00	0.10	19.50	80.40	0.00	
13M	08/19/2003	13:03	0.00	0.00	20.50	79.50	0.00	
13M	08/26/2003	08:23	0.00	0.00	20.70	79.30	0.00	
13M	09/09/2003	07:58	0.00	0.00	20.80	79.20	0.00	
13M	09/16/2003	11:13	0.00	0.10	19.90	80.00	0.00	
13M	09/23/2003	09:21	0.00	0.70	20.20	79.10	0.00	
13M	09/30/2003	08:54	0.00	0.20	20.40	79.40	0.00	
14M	07/02/2003	08:47	0.00	0.00	20.90	79.10	0.00	
14M	07/08/2003	08:48	0.00	0.20	21.10	78.70	0.00	
14M	07/15/2003	08:50	0.00	0.00	20.70	79.30	0.00	
14M	07/22/2003	11:53	0.00	0.00	20.50	79.50	0.00	
14M	07/29/2003	07:52	0.00	0.00	20.60	79.40	0.00	
14M	08/05/2003	07:54	0.00	0.00	20.90	79.10	0.00	
14M	08/12/2003	09:23	0.00	0.00	20.00	80.00	0.00	
14M	08/19/2003	13:04	0.00	0.00	20.60	79.40	0.00	
14M	08/26/2003	08:24	0.00	0.00	20.70	79.30	0.00	
14M	09/09/2003	07:59	0.00	0.00	20.90	79.10	0.00	
14M	09/16/2003	11:14	0.00	0.00	20.60	79.40	0.00	
14M	09/23/2003	09:22	0.00	0.00	21.10	78.90	0.00	
14M	09/30/2003	08:55	0.00	0.00	21.00	79.00	0.00	
15M	07/02/2003	08:49	0.00	0.30	20.60	79.10	0.00	
15M	07/08/2003	08:50	0.00	0.40	21.30	78.30	0.00	
15M	07/15/2003	08:52	0.00	0.60	19.50	79.90	0.00	
15M	07/22/2003	11:55	0.00	0.70	19.30	80.00	0.00	

Hewitt Pit Probe Data - 7/1/2003 to 9/30/2003

Name	Date	Time	Methane (% by vol)	Carbon Dioxide (% by vol)	Oxygen (% by vol)	Balance Gas (% by vol)	Static Press (Inch H2O)	Comments
15M	07/29/2003	08:05	0.00	0.90	19.50	79.60	0.00	
15M	08/05/2003	07:56	0.00	0.80	19.60	79.60	-0.80	
15M	08/12/2003	08:17	0.00	0.00	20.40	79.60	0.00	
15M	08/19/2003	13:06	0.00	0.80	19.30	79.90	0.00	
15M	08/26/2003	08:26	0.00	0.00	20.40	79.60	0.00	
15M	09/09/2003	08:01	0.00	1.00	19.60	79.40	0.00	
15M	09/16/2003	11:16	0.00	0.90	19.40	79.70	0.00	
15M	09/23/2003	09:25	0.00	0.80	20.00	79.20	0.00	
15M	09/30/2003	08:57	0.00	0.90	19.80	79.30	0.00	
16M	07/02/2003	08:50	0.00	0.00	21.40	78.60	0.00	
16M	07/08/2003	08:51	0.00	0.10	21.00	78.90	0.00	
16M	07/15/2003	08:54	0.00	0.00	20.50	79.50	0.00	
16M	07/22/2003	11:57	0.00	0.00	20.40	79.60	0.00	
16M	07/29/2003	08:07	0.00	0.00	20.50	79.50	0.00	
16M	08/05/2003	07:58	0.00	0.00	20.60	79.40	-0.40	
16M	08/12/2003	09:26	0.00	0.10	19.30	80.60	0.00	
16M	08/19/2003	13:08	0.00	1.00	18.70	80.30	0.00	
16M	08/26/2003	08:28	0.00	0.00	20.60	79.40	0.00	
16M	09/09/2003	08:03	0.00	0.00	20.80	79.20	0.00	
16M	09/16/2003	11:20	0.00	0.00	20.20	79.80	0.00	
16M	09/23/2003	09:29	0.00	0.00	21.10	78.90	0.00	
16M	09/30/2003	08:59	0.00	0.00	20.90	79.10	0.00	
17M	07/02/2003	08:52	0.00	0.20	20.60	79.20	0.00	
17M	07/08/2003	08:54	0.00	0.60	20.60	78.80	0.00	
17M	07/15/2003	08:56	0.00	0.00	20.40	79.60	0.00	
17M	07/22/2003	11:59	0.00	0.00	20.00	80.00	0.00	
17M	07/29/2003	08:09	0.00	0.40	19.60	80.00	0.00	
17M	08/05/2003	07:59	0.00	0.00	20.70	79.30	-0.50	
17M	08/12/2003	08:21	0.00	0.00	20.60	79.40	0.00	
17M	08/19/2003	13:10	0.00	0.40	19.40	80.20	0.00	
17M	08/26/2003	08:29	0.00	0.30	19.90	79.80	0.00	
17M	09/09/2003	08:05	0.00	0.00	20.80	79.20	0.00	
17M	09/16/2003	11:22	0.00	0.10	20.00	79.90	0.00	
17M	09/23/2003	09:31	0.00	0.10	20.80	79.10	0.00	
17M	09/30/2003	09:01	0.00	0.10	20.80	79.10	0.00	
18M	07/02/2003	08:53	0.00	0.00	20.80	79.20	0.00	
18M	07/08/2003	08:54	0.00	0.20	21.10	78.70	0.00	
18M	07/15/2003	08:57	0.00	0.10	20.40	79.50	0.00	
18M	07/22/2003	12:00	0.00	0.10	20.10	79.80	0.00	
18M	07/29/2003	08:10	0.00	0.10	20.20	79.70	0.00	
18M	08/05/2003	08:00	0.00	0.10	20.40	79.50	-1.40	
18M	08/12/2003	08:22	0.00	0.10	20.30	79.60	0.00	

Hewitt Pit Probe Data - 7/1/2003 to 9/30/2003

Name	Date	Time	Methane (% by vol)	Carbon Dioxide (% by vol)	Oxygen (% by vol)	Balance Gas (% by vol)	Static Press (Inch H2O)	Comments
18M	08/19/2003	13:11	0.00	0.00	20.30	79.70	0.00	
18M	08/26/2003	08:30	0.00	0.10	20.30	79.60	0.00	
18M	09/09/2003	08:06	0.00	0.10	20.70	79.20	0.00	
18M	09/16/2003	11:23	0.00	0.00	20.40	79.60	0.00	
18M	09/23/2003	09:33	0.00	0.00	20.90	79.10	0.00	
18M	09/30/2003	09:02	0.00	0.00	20.90	79.10	0.00	
19M	07/02/2003	08:54	0.00	0.00	20.90	79.10	0.00	
19M	07/08/2003	08:56	0.00	0.00	20.70	79.30	0.00	
19M	07/15/2003	08:59	0.00	0.00	20.50	79.50	0.00	
19M	07/22/2003	12:02	0.00	0.10	19.90	80.00	0.00	
19M	07/29/2003	08:11	0.00	0.00	20.50	79.50	0.00	
19M	08/05/2003	08:01	0.00	0.00	20.70	79.30	-0.40	
19M	08/12/2003	09:29	0.00	0.00	19.80	80.20	0.00	
19M	08/19/2003	13:13	0.00	0.40	20.00	79.60	0.00	
19M	08/26/2003	08:47	0.00	0.00	21.70	78.30	0.00	
19M	09/09/2003	07:08	0.00	0.00	19.70	80.30	0.00	
19M	09/16/2003	11:25	0.00	0.00	20.60	79.40	0.00	
19M	09/23/2003	09:35	0.00	0.00	21.20	78.80	0.00	
19M	09/30/2003	09:04	0.00	0.00	21.10	78.90	0.00	
20M	07/02/2003	08:14	0.00	0.10	19.80	80.10	0.00	
20M	07/08/2003	08:58	0.00	0.00	21.10	78.90	0.00	
20M	07/15/2003	09:01	0.00	0.00	20.80	79.20	0.00	
20M	07/22/2003	12:03	0.00	0.00	20.60	79.40	0.00	
20M	07/29/2003	08:07	0.00	0.00	16.30	83.70	0.00	
20M	08/05/2003	08:03	0.00	0.00	20.90	79.10	-1.60	
20M	08/12/2003	08:36	0.00	0.00	20.60	79.40	0.00	
20M	08/19/2003	12:56	0.00	0.00	19.50	80.50	-0.80	
20M	08/26/2003	08:50	.0	0.00	21.70	.0	0.00	
20M	08/26/2003	10:20	0.00	0.00	21.70	78.30	0.00	
20M	09/09/2003	07:10	0.00	0.00	19.80	80.20	0.00	
20M	09/16/2003	11:26	0.00	0.00	20.70	79.30	0.00	
20M	09/23/2003	09:38	0.00	0.00	21.20	78.80	0.00	
20M	09/30/2003	09:06	0.00	0.00	21.10	78.90	0.00	
21M	07/02/2003	08:15	0.00	0.00	20.40	79.60	0.00	
21M	07/08/2003	09:00	0.00	0.00	20.70	79.30	0.00	
21M	07/15/2003	09:02	0.00	0.00	20.70	79.30	0.00	
21M	07/22/2003	12:04	0.00	1.30	18.30	80.40	0.00	
21M	07/29/2003	08:08	0.00	0.00	16.30	83.70	0.00	
21M	08/05/2003	08:04	0.00	0.00	20.90	79.10	0.00	
21M	08/12/2003	09:42	0.00	0.00	20.00	80.00	0.00	
21M	08/19/2003	12:59	0.00	0.00	20.30	79.70	-0.80	
21M	08/26/2003	08:52	.0	1.30	19.70	.0	0.00	

Hewitt Pit Probe Data - 7/1/2003 to 9/30/2003

Name	Date	Time	Methane (% by vol)	Carbon Dioxide (% by vol)	Oxygen (% by vol)	Balance Gas (% by vol)	Static Press (Inch H2O)	Comments
21M	08/26/2003	10:21	0.00	2.10	18.70	79.20	0.00	
21M	09/09/2003	07:12	0.00	0.00	19.80	80.20	0.00	
21M	09/16/2003	11:28	0.00	0.00	20.60	79.40	0.00	
21M	09/23/2003	09:40	0.00	0.00	21.20	78.80	0.00	
21M	09/30/2003	09:08	0.00	0.00	21.00	79.00	0.00	
22M	07/02/2003	08:17	0.00	0.00	20.70	79.30	0.00	
22M	07/08/2003	09:01	0.00	0.10	21.30	78.60	0.00	
22M	07/15/2003	09:03	0.00	0.20	20.20	79.60	0.00	
22M	07/22/2003	12:05	0.00	2.00	17.40	80.60	0.00	
22M	07/29/2003	08:09	0.00	0.00	16.30	83.70	0.00	
22M	08/05/2003	08:05	0.00	0.00	20.90	79.10	-3.60	
22M	08/12/2003	09:44	0.00	0.00	19.90	80.10	0.00	
22M	08/19/2003	13:02	0.00	5.70	13.00	81.30	0.00	
22M	08/26/2003	09:01	0.00	0.00	21.70	78.30	0.00	
22M	09/09/2003	07:14	0.00	0.00	19.80	80.20	0.00	
22M	09/16/2003	11:30	0.00	1.00	19.20	79.80	0.00	
22M	09/23/2003	09:41	0.00	0.00	21.20	78.80	0.00	
22M	09/30/2003	09:09	0.00	0.00	21.10	78.90	0.00	
23M	07/02/2003	08:18	0.00	0.00	20.70	79.30	0.00	
23M	07/08/2003	09:02	0.00	0.00	20.70	79.30	0.00	
23M	07/15/2003	09:04	0.00	0.00	20.60	79.40	0.00	
23M	07/22/2003	12:07	0.00	2.20	17.30	80.50	0.00	
23M	07/29/2003	08:11	0.00	0.00	16.30	83.70	0.00	
23M	08/05/2003	08:06	0.00	0.60	19.60	79.80	-1.40	
23M	08/12/2003	08:39	0.00	2.10	17.70	80.20	0.00	
23M	08/19/2003	13:04	0.00	0.20	19.70	80.10	0.00	
23M	08/26/2003	09:03	0.00	3.00	18.00	79.00	0.00	
23M	09/09/2003	07:15	0.00	0.00	19.80	80.20	0.00	
23M	09/16/2003	11:31	0.00	0.50	19.70	79.80	0.00	
23M	09/23/2003	09:43	0.00	0.50	20.50	79.00	0.00	
23M	09/30/2003	09:10	0.00	0.00	21.10	78.90	0.00	
24M	07/02/2003	08:19	0.00	0.00	20.80	79.20	0.00	
24M	07/08/2003	09:04	0.00	0.00	20.70	79.30	0.00	
24M	07/15/2003	09:06	0.00	0.00	20.70	79.30	0.00	
24M	07/22/2003	12:08	0.00	0.20	19.70	80.10	0.00	
24M	07/29/2003	08:12	0.00	0.00	16.20	83.80	0.00	
24M	08/05/2003	08:08	0.00	0.00	20.80	79.20	0.00	
24M	08/12/2003	08:40	0.00	0.20	20.00	79.80	0.00	
24M	08/19/2003	13:05	0.00	0.70	19.30	80.00	0.00	
24M	08/26/2003	09:05	0.00	0.00	21.50	78.50	0.00	
24M	09/09/2003	07:16	0.00	0.00	19.80	80.20	0.00	
24M	09/16/2003	11:33	0.00	0.00	20.20	79.80	0.00	

Hewitt Pit Probe Data - 7/1/2003 to 9/30/2003

Name	Date	Time	Methane (% by vol)	Carbon Dioxide (% by vol)	Oxygen (% by vol)	Balance Gas (% by vol)	Static Press (Inch H2O)	Comments
24M	09/23/2003	09:44	0.00	0.00	20.90	79.10	0.00	
24M	09/30/2003	09:11	0.00	0.00	21.10	78.90	0.00	
25M	07/02/2003	08:20	0.00	0.00	20.80	79.20	0.00	
25M	07/08/2003	09:05	0.00	0.00	20.70	79.30	0.00	
25M	07/15/2003	09:06	0.00	0.00	20.80	79.20	0.00	
25M	07/22/2003	12:08	0.00	0.00	20.50	79.50	0.00	
25M	07/29/2003	08:12	0.00	0.00	16.20	83.80	0.00	
25M	08/05/2003	08:08	0.00	0.80	19.60	79.60	-1.60	
25M	08/12/2003	08:41	0.00	0.80	19.40	79.80	0.00	
25M	08/19/2003	13:07	0.00	1.40	18.20	80.40	0.00	
25M	08/26/2003	09:07	0.00	0.00	21.70	78.30	0.00	
25M	09/09/2003	07:17	0.00	0.00	19.80	80.20	0.00	
25M	09/16/2003	11:34	0.00	0.00	20.60	79.40	0.00	
25M	09/23/2003	09:45	0.00	0.00	20.90	79.10	0.00	
25M	09/30/2003	09:12	0.00	0.10	20.70	79.20	0.00	
26M	07/02/2003	08:21	0.00	0.10	20.60	79.30	0.00	
26M	07/08/2003	09:06	0.00	0.40	20.70	78.90	0.00	
26M	07/15/2003	09:07	0.00	0.10	20.40	79.50	0.00	
26M	07/22/2003	12:09	0.00	0.00	20.60	79.40	0.00	
26M	07/29/2003	08:13	0.00	0.20	15.60	84.20	0.00	
26M	08/05/2003	08:09	0.00	0.40	20.00	79.60	0.00	
26M	08/12/2003	09:46	0.00	0.20	19.30	80.50	0.00	
26M	08/19/2003	13:08	0.00	0.20	19.70	80.10	0.00	
26M	08/26/2003	09:08	0.00	0.50	20.90	78.60	0.00	
26M	09/09/2003	07:18	0.00	0.00	19.80	80.20	0.00	
26M	09/16/2003	11:35	0.00	0.00	20.30	79.70	0.00	
26M	09/23/2003	09:46	0.00	0.00	21.00	79.00	0.00	
26M	09/30/2003	09:13	0.00	0.00	21.00	79.00	0.00	
27M	07/02/2003	08:22	0.00	0.00	20.70	79.30	0.00	
27M	07/08/2003	09:08	0.00	0.00	20.70	79.30	0.00	
27M	07/15/2003	09:08	0.00	0.00	20.60	79.40	0.00	
27M	07/22/2003	12:10	0.00	0.00	20.50	79.50	0.00	
27M	07/29/2003	08:15	0.00	0.00	16.10	83.90	0.00	
27M	08/05/2003	08:10	0.00	0.00	20.70	79.30	0.00	
27M	08/12/2003	09:47	0.00	0.00	19.80	80.20	0.00	
27M	08/19/2003	13:09	0.00	0.00	20.30	79.70	0.00	
27M	08/26/2003	09:09	0.00	0.00	21.70	78.30	0.00	
27M	09/09/2003	07:19	0.00	0.00	19.80	80.20	0.00	
27M	09/16/2003	11:36	0.00	0.00	20.50	79.50	0.00	
27M	09/23/2003	09:48	0.00	0.00	21.10	78.90	0.00	
27M	09/30/2003	09:14	0.00	0.00	21.10	78.90	0.00	
28M	07/02/2003	08:22	0.00	0.10	20.50	79.40	0.00	

Hewitt Pit Probe Data - 7/1/2003 to 9/30/2003

Name	Date	Time	Methane (% by vol)	Carbon Dioxide (% by vol)	Oxygen (% by vol)	Balance Gas (% by vol)	Static Press (Inch H2O)	Comments
28M	07/08/2003	09:09	0.00	0.20	20.40	79.40	0.00	
28M	07/15/2003	09:09	0.00	0.20	20.40	79.40	0.00	
28M	07/22/2003	12:11	0.00	0.00	20.40	79.60	0.00	
28M	07/29/2003	08:15	0.00	0.60	15.60	83.80	0.00	
28M	08/05/2003	08:11	0.00	0.30	20.50	79.20	0.00	
28M	08/12/2003	09:48	0.00	0.00	20.00	80.00	0.00	
28M	08/19/2003	13:10	0.00	0.20	19.90	79.90	0.00	
28M	08/26/2003	09:10	0.00	0.20	21.20	78.60	0.00	
28M	09/09/2003	07:20	0.00	0.20	19.50	80.30	0.00	
28M	09/16/2003	11:37	0.00	0.20	20.00	79.80	0.00	
28M	09/23/2003	09:49	0.00	0.30	20.60	79.10	0.00	
28M	09/30/2003	09:15	0.00	0.00	21.10	78.90	0.00	
29M	07/02/2003	08:23	0.00	0.00	20.80	79.20	0.00	
29M	07/08/2003	09:10	0.00	0.10	20.70	79.20	0.00	
29M	07/15/2003	09:10	0.00	0.00	20.70	79.30	0.00	
29M	07/22/2003	12:12	0.00	0.00	20.30	79.70	0.00	
29M	07/29/2003	08:17	0.00	0.00	16.20	83.80	0.00	
29M	08/05/2003	08:12	0.00	0.00	20.90	79.10	0.00	
29M	08/12/2003	08:42	0.00	0.40	19.70	79.90	0.00	
29M	08/19/2003	13:11	0.00	0.70	19.30	80.00	0.00	
29M	08/26/2003	09:11	0.00	0.00	21.70	78.30	0.00	
29M	09/09/2003	07:22	0.00	0.00	19.80	80.20	0.00	
29M	09/16/2003	11:38	0.00	0.00	20.10	79.90	0.00	
29M	09/23/2003	09:50	0.00	0.20	20.70	79.10	0.00	
29M	09/23/2003	09:51	0.00	0.20	20.70	79.10	0.00	
29M	09/30/2003	09:16	0.00	0.00	21.10	78.90	0.00	
30M	07/02/2003	08:24	0.00	0.00	20.80	79.20	0.00	
30M	07/08/2003	09:10	0.00	0.00	20.70	79.30	0.00	
30M	07/15/2003	09:11	0.00	0.00	20.70	79.30	0.00	
30M	07/22/2003	12:12	0.00	0.00	20.50	79.50	0.00	
30M	07/29/2003	08:17	0.00	0.00	16.20	83.80	0.00	
30M	08/05/2003	08:12	0.00	0.00	20.90	79.10	0.00	
30M	08/12/2003	08:43	0.00	0.00	20.70	79.30	0.00	
30M	08/19/2003	13:12	0.00	0.00	20.40	79.60	0.00	
30M	08/26/2003	09:12	0.00	0.00	21.80	78.20	0.00	
30M	09/09/2003	07:22	0.00	0.00	19.80	80.20	0.00	
30M	09/16/2003	11:39	0.00	0.00	20.60	79.40	0.00	
30M	09/23/2003	09:53	0.00	0.00	21.10	78.90	0.00	
30M	09/30/2003	09:17	0.00	0.00	21.10	78.90	0.00	
31M	07/02/2003	08:25	0.00	0.00	20.80	79.20	0.00	
31M	07/08/2003	09:12	0.00	0.00	21.20	78.80	0.00	
31M	07/15/2003	09:12	0.00	0.00	20.80	79.20	0.00	

Hewitt Pit Probe Data - 7/1/2003 to 9/30/2003

Name	Date	Time	Methane (% by vol)	Carbon Dioxide (% by vol)	Oxygen (% by vol)	Balance Gas (% by vol)	Static Press (Inch H2O)	Comments
31M	07/22/2003	12:13	0.00	0.00	20.50	79.50	0.00	
31M	07/29/2003	08:20	0.00	0.00	16.10	83.90	0.00	
31M	08/05/2003	08:13	0.00	0.00	20.80	79.20	0.00	
31M	08/12/2003	08:44	0.00	0.00	20.70	79.30	0.00	
31M	08/19/2003	13:14	0.00	0.00	20.40	79.60	0.00	
31M	08/26/2003	09:14	0.00	0.00	21.80	78.20	0.00	
31M	09/09/2003	07:24	0.00	0.00	19.90	80.10	0.00	
31M	09/16/2003	11:41	0.00	0.00	20.50	79.50	0.00	
31M	09/23/2003	09:55	0.00	0.00	21.20	78.80	0.20	
31M	09/30/2003	09:18	0.00	0.00	21.20	78.80	0.00	
32M	07/02/2003	08:26	0.00	0.00	20.80	79.20	0.00	
32M	07/08/2003	09:13	0.00	0.00	20.70	79.30	0.00	
32M	07/15/2003	09:13	0.00	0.00	20.70	79.30	0.00	
32M	07/22/2003	12:14	0.00	0.10	20.30	79.60	0.00	
32M	07/29/2003	08:21	0.00	0.00	16.10	83.90	0.00	
32M	08/05/2003	08:14	0.00	0.00	20.90	79.10	0.00	
32M	08/12/2003	09:51	0.00	0.00	19.80	80.20	0.00	
32M	08/19/2003	13:15	0.00	0.60	19.40	80.00	0.00	
32M	08/26/2003	09:15	0.00	0.00	21.70	78.30	0.00	
32M	09/09/2003	07:25	0.00	0.00	19.80	80.20	0.00	
32M	09/16/2003	11:42	0.00	0.00	20.20	79.80	0.00	
32M	09/23/2003	09:56	0.00	0.00	21.00	79.00	0.00	
32M	09/30/2003	09:20	0.00	0.00	21.20	78.80	0.00	
33M	07/02/2003	08:27	0.00	0.00	20.80	79.20	0.00	
33M	07/08/2003	09:14	0.00	0.10	20.70	79.20	0.00	
33M	07/15/2003	09:14	0.00	0.00	20.80	79.20	0.00	
33M	07/22/2003	12:15	0.00	0.00	20.40	79.60	0.00	
33M	07/29/2003	08:22	0.00	0.00	16.20	83.80	0.00	
33M	08/05/2003	08:15	0.00	0.00	20.90	79.10	0.00	
33M	08/12/2003	09:52	0.00	0.00	20.00	80.00	0.00	
33M	08/19/2003	13:16	0.00	0.00	20.30	79.70	0.00	
33M	08/26/2003	09:18	0.00	0.00	21.80	78.20	0.00	
33M	09/09/2003	07:26	0.00	0.00	19.80	80.20	0.00	
33M	09/16/2003	11:43	0.00	0.00	20.50	79.50	0.00	
33M	09/23/2003	09:58	0.00	0.00	21.20	78.80	0.00	
33M	09/30/2003	09:20	0.00	0.00	21.20	78.80	0.00	
34M	07/02/2003	08:28	0.00	0.00	20.80	79.20	0.00	
34M	07/08/2003	09:16	0.00	0.00	21.70	78.30	0.00	
34M	07/15/2003	09:15	0.00	0.00	20.80	79.20	0.00	
34M	07/22/2003	12:16	0.00	0.00	20.60	79.40	0.00	
34M	07/29/2003	08:23	0.00	0.00	16.20	83.80	0.00	
34M	08/05/2003	08:16	0.00	0.00	20.90	79.10	0.00	

Hewitt Pit Probe Data - 7/1/2003 to 9/30/2003

Name	Date	Time	Methane (% by vol)	Carbon Dioxide (% by vol)	Oxygen (% by vol)	Balance Gas (% by vol)	Static Press (Inch H2O)	Comments
34M	08/12/2003	08:47	0.00	0.30	20.20	79.50	0.00	
34M	08/19/2003	13:18	0.00	0.30	19.70	80.00	0.00	
34M	08/26/2003	09:19	0.00	0.00	21.70	78.30	0.00	
34M	09/09/2003	07:27	0.00	0.00	19.80	80.20	0.00	
34M	09/16/2003	11:45	0.00	0.00	20.50	79.50	0.00	
34M	09/23/2003	09:59	0.00	0.00	21.20	78.80	0.00	
34M	09/30/2003	09:22	0.00	0.00	21.20	78.80	0.00	
35M	07/02/2003	08:29	0.00	0.00	20.80	79.20	0.00	
35M	07/08/2003	09:16	0.00	0.00	20.90	79.10	0.00	
35M	07/15/2003	09:15	0.00	0.00	20.90	79.10	0.00	
35M	07/22/2003	12:17	0.00	0.00	20.70	79.30	0.00	
35M	07/29/2003	08:24	0.00	0.00	16.20	83.80	0.00	
35M	08/05/2003	08:17	0.00	0.00	20.90	79.10	0.00	
35M	08/12/2003	08:47	0.00	0.00	20.70	79.30	0.00	
35M	08/19/2003	13:19	0.00	2.20	17.10	80.70	0.00	
35M	08/26/2003	09:20	0.00	0.00	21.80	78.20	0.00	
35M	09/09/2003	07:29	0.00	0.00	19.80	80.20	0.00	
35M	09/16/2003	11:46	0.00	1.30	18.50	80.20	0.00	
35M	09/23/2003	10:00	0.00	0.00	21.20	78.80	0.00	
35M	09/30/2003	09:23	0.00	0.00	21.10	78.90	0.00	
36M	07/02/2003	08:30	0.00	0.00	20.80	79.20	0.00	
36M	07/08/2003	09:18	0.00	0.10	20.90	79.00	0.00	
36M	07/15/2003	09:16	0.00	0.00	20.80	79.20	0.00	
36M	07/22/2003	12:19	0.00	0.10	20.40	79.50	0.00	
36M	07/29/2003	08:26	0.00	0.00	16.20	83.80	0.00	
36M	08/05/2003	08:18	0.00	0.00	20.90	79.10	0.00	
36M	08/12/2003	09:55	0.00	0.00	20.00	80.00	0.00	
36M	08/19/2003	13:20	0.00	0.20	19.80	80.00	0.00	
36M	08/26/2003	09:22	0.00	0.00	21.80	78.20	0.00	
36M	09/09/2003	07:30	0.00	0.00	19.80	80.20	0.00	
36M	09/16/2003	11:47	0.00	0.60	19.50	79.90	0.00	
36M	09/23/2003	10:01	0.00	0.00	21.20	78.80	0.00	
36M	09/30/2003	09:24	0.00	0.10	20.80	79.10	0.00	
37M	07/02/2003	08:31	0.00	0.00	20.80	79.20	0.00	
37M	07/08/2003	09:19	0.00	0.00	21.00	79.00	0.00	
37M	07/15/2003	09:17	0.00	0.00	20.90	79.10	0.00	
37M	07/22/2003	12:20	0.00	0.00	20.60	79.40	0.00	
37M	07/29/2003	08:27	0.00	0.00	16.20	83.80	0.00	
37M	08/05/2003	08:19	0.00	0.00	20.90	79.10	0.00	
37M	08/12/2003	08:49	0.00	0.00	20.70	79.30	0.00	
37M	08/19/2003	13:22	0.00	0.00	20.40	79.60	0.00	
37M	08/26/2003	09:23	0.00	0.00	21.80	78.20	0.00	

Hewitt Pit Probe Data - 7/1/2003 to 9/30/2003

Name	Date	Time	Methane (% by vol)	Carbon Dioxide (% by vol)	Oxygen (% by vol)	Balance Gas (% by vol)	Static Press (Inch H2O)	Comments
37M	09/09/2003	07:31	0.00	0.00	19.80	80.20	0.00	
37M	09/16/2003	11:48	0.00	0.00	20.50	79.50	0.00	
37M	09/23/2003	10:03	0.00	0.00	21.10	78.90	0.00	
37M	09/30/2003	09:25	0.00	0.00	21.10	78.90	0.00	
38M	07/02/2003	08:32	0.00	0.00	20.80	79.20	0.00	
38M	07/08/2003	09:21	0.00	0.00	20.90	79.10	0.00	
38M	07/15/2003	09:18	0.00	0.00	20.80	79.20	0.00	
38M	07/22/2003	12:21	0.00	0.00	20.70	79.30	0.00	
38M	07/29/2003	08:28	0.00	0.00	16.20	83.80	0.00	
38M	08/05/2003	08:20	0.00	0.00	20.90	79.10	0.00	
38M	08/12/2003	08:50	0.00	0.00	20.60	79.40	0.00	
38M	08/19/2003	13:23	0.00	2.00	17.30	80.70	0.00	
38M	08/26/2003	09:24	0.00	0.00	21.80	78.20	0.00	
38M	09/09/2003	07:32	0.00	0.00	19.80	80.20	0.00	
38M	09/16/2003	11:49	0.00	0.20	19.90	79.90	0.00	
38M	09/23/2003	10:04	0.00	0.00	21.30	78.70	0.00	
38M	09/30/2003	09:26	0.00	0.00	21.20	78.80	0.00	
39M	07/02/2003	08:33	0.00	0.00	20.80	79.20	0.00	
39M	07/08/2003	09:22	0.00	0.10	20.80	79.10	0.00	
39M	07/15/2003	09:19	0.00	0.10	20.40	79.50	0.00	
39M	07/22/2003	12:22	0.00	0.00	20.30	79.70	0.00	
39M	07/29/2003	08:29	0.00	0.20	15.90	83.90	0.00	
39M	08/05/2003	08:21	0.00	0.20	20.60	79.20	0.00	
39M	08/12/2003	09:56	0.00	0.30	19.20	80.50	0.00	
39M	08/19/2003	13:24	0.00	0.00	19.80	80.20	0.00	
39M	08/26/2003	09:26	0.00	0.30	21.20	78.50	0.00	
39M	09/09/2003	07:33	0.00	0.00	19.70	80.30	0.00	
39M	09/16/2003	11:50	0.00	0.00	20.30	79.70	0.00	
39M	09/23/2003	10:05	0.00	0.00	21.10	78.90	0.00	
39M	09/30/2003	09:27	0.00	0.00	21.20	78.80	0.00	
40M	07/02/2003	08:34	0.00	0.10	20.60	79.30	0.00	
40M	07/08/2003	09:23	0.00	0.40	20.60	79.00	0.00	
40M	07/15/2003	09:20	0.00	0.10	20.40	79.50	0.00	
40M	07/22/2003	12:23	0.00	0.10	20.30	79.60	0.00	
40M	07/29/2003	08:30	0.00	0.30	15.80	83.90	0.00	
40M	08/05/2003	08:22	0.00	0.20	20.60	79.20	0.00	
40M	08/12/2003	09:58	0.00	0.10	19.60	80.30	0.00	
40M	08/19/2003	13:25	0.00	0.20	19.60	80.20	0.00	
40M	08/26/2003	09:27	0.00	0.50	21.00	78.50	0.00	
40M	09/09/2003	07:34	0.00	0.10	19.70	80.20	0.00	
40M	09/16/2003	11:52	0.00	0.00	20.20	79.80	0.00	
40M	09/23/2003	10:06	0.00	0.10	21.00	78.90	0.00	

Hewitt Pit Probe Data - 7/1/2003 to 9/30/2003

Name	Date	Time	Methane (% by vol)	Carbon Dioxide (% by vol)	Oxygen (% by vol)	Balance Gas (% by vol)	Static Press (Inch H2O)	Comments
40M	09/30/2003	09:29	0.00	0.10	21.00	78.90	0.00	
41M	07/02/2003	08:34	0.00	0.00	20.80	79.20	0.00	
41M	07/08/2003	09:24	0.00	0.00	20.70	79.30	0.00	
41M	07/15/2003	09:21	0.00	0.00	20.70	79.30	0.00	
41M	07/22/2003	12:27	0.00	0.00	20.70	79.30	0.00	
41M	07/29/2003	08:32	0.00	0.00	16.10	83.90	0.00	
41M	08/05/2003	08:23	0.00	0.40	20.10	79.50	0.00	
41M	08/12/2003	08:52	0.00	0.00	20.70	79.30	0.00	
41M	08/19/2003	13:26	0.00	0.00	20.00	80.00	0.00	
41M	08/26/2003	09:29	0.00	0.00	21.70	78.30	0.00	
41M	09/09/2003	07:35	0.00	0.10	19.50	80.40	0.00	
41M	09/16/2003	11:53	0.00	0.50	19.50	80.00	0.00	
41M	09/23/2003	10:08	0.00	0.00	21.10	78.90	0.00	
41M	09/30/2003	09:30	0.00	0.00	21.20	78.80	0.00	
42M	07/02/2003	08:35	0.00	0.00	20.80	79.20	0.00	
42M	07/08/2003	09:25	0.00	0.00	20.80	79.20	0.00	
42M	07/15/2003	09:22	0.00	0.00	20.80	79.20	0.00	
42M	07/22/2003	12:28	0.00	0.00	20.70	79.30	0.00	
42M	07/29/2003	08:33	0.00	0.00	16.20	83.80	0.00	
42M	08/05/2003	08:24	0.00	0.30	20.30	79.40	0.00	
42M	08/12/2003	08:52	0.00	0.20	20.20	79.60	0.00	
42M	08/19/2003	13:28	0.00	0.50	19.30	80.20	0.00	
42M	08/26/2003	09:30	0.00	0.00	21.70	78.30	0.00	
42M	09/09/2003	07:36	0.00	0.80	18.80	80.40	0.00	
42M	09/16/2003	11:54	0.00	1.40	18.50	80.10	0.00	
42M	09/23/2003	10:09	0.00	1.20	19.80	79.00	0.00	
42M	09/30/2003	09:31	0.00	0.00	21.10	78.90	0.00	
43M	07/02/2003	08:36	0.00	0.70	19.60	79.70	0.00	
43M	07/08/2003	09:26	0.00	0.10	20.70	79.20	0.00	
43M	07/15/2003	09:23	0.00	0.00	20.80	79.20	0.00	
43M	07/22/2003	12:30	0.00	0.00	20.60	79.40	0.00	
43M	07/29/2003	08:36	0.00	0.00	16.10	83.90	0.00	
43M	08/05/2003	08:25	0.00	1.40	18.60	80.00	0.00	
43M	08/12/2003	10:00	0.00	0.00	19.40	80.60	0.00	
43M	08/19/2003	13:30	0.00	1.40	18.10	80.50	0.00	
43M	08/26/2003	09:32	0.00	0.20	20.70	79.10	0.00	
43M	09/09/2003	07:38	0.00	0.90	18.30	80.80	0.00	
43M	09/16/2003	11:55	0.00	0.70	19.10	80.20	0.00	
43M	09/23/2003	10:10	0.00	0.80	20.00	79.20	0.00	
43M	09/30/2003	09:32	0.00	0.30	20.50	79.20	0.00	
44M	07/02/2003	08:37	0.00	0.00	20.70	79.30	0.00	
44M	07/08/2003	09:27	0.00	0.10	20.70	79.20	0.00	

Hewitt Pit Probe Data - 7/1/2003 to 9/30/2003

Name	Date	Time	Methane (% by vol)	Carbon Dioxide (% by vol)	Oxygen (% by vol)	Balance Gas (% by vol)	Static Press (Inch H2O)	Comments
44M	07/15/2003	09:24	0.00	0.00	20.80	79.20	0.00	
44M	07/22/2003	12:30	0.00	0.00	20.70	79.30	0.00	
44M	07/29/2003	08:37	0.00	0.00	16.10	83.90	0.00	
44M	08/05/2003	08:26	0.00	1.40	18.40	80.20	0.00	
44M	08/12/2003	10:02	0.00	0.70	17.70	81.60	0.00	
44M	08/19/2003	13:31	0.00	0.90	18.80	80.30	0.00	
44M	08/26/2003	09:33	0.00	0.00	21.70	78.30	0.00	
44M	09/09/2003	07:39	0.00	2.00	16.90	81.10	0.00	
44M	09/16/2003	11:57	0.00	1.00	18.70	80.30	0.00	
44M	09/23/2003	10:11	0.00	1.00	19.30	79.70	0.00	
44M	09/30/2003	09:33	0.00	0.10	20.70	79.20	0.00	
45M	07/02/2003	08:38	0.00	0.00	20.80	79.20	0.00	
45M	07/08/2003	09:29	0.00	1.70	18.10	80.20	0.00	
45M	07/15/2003	09:26	0.00	0.30	19.90	79.80	0.00	
45M	07/22/2003	12:32	0.00	0.00	20.60	79.40	0.00	
45M	07/29/2003	08:38	0.00	1.20	14.30	84.50	0.00	
45M	08/05/2003	08:27	0.00	2.00	17.20	80.80	0.00	
45M	08/12/2003	08:54	0.00	0.00	20.50	79.50	0.00	
45M	08/19/2003	14:42	0.00	0.20	19.40	80.40	0.00	
45M	08/26/2003	09:35	0.00	4.10	16.80	79.10	0.00	
45M	09/09/2003	07:41	0.00	3.00	15.90	81.10	0.00	
45M	09/16/2003	11:58	0.00	5.70	13.10	81.20	0.00	
45M	09/23/2003	10:14	0.00	6.50	13.90	79.60	0.00	
45M	09/30/2003	09:34	0.00	0.80	19.90	79.30	0.00	
46M	07/02/2003	08:39	0.00	0.00	20.80	79.20	0.00	
46M	07/08/2003	09:30	0.00	0.10	20.80	79.10	0.00	
46M	07/15/2003	09:26	0.00	0.00	20.50	79.50	0.00	
46M	07/22/2003	12:33	0.00	0.00	20.70	79.30	0.00	
46M	07/29/2003	08:39	0.00	0.00	15.90	84.10	0.00	
46M	08/05/2003	08:28	0.00	0.00	20.70	79.30	0.00	
46M	08/12/2003	08:55	0.00	0.00	20.70	79.30	0.00	
46M	08/19/2003	13:36	0.00	0.00	20.00	80.00	0.00	
46M	08/26/2003	09:37	0.00	0.00	21.50	78.50	0.00	
46M	09/09/2003	07:42	0.00	0.00	19.50	80.50	0.00	
46M	09/16/2003	11:59	0.00	1.00	18.30	80.70	0.00	
46M	09/23/2003	10:15	0.00	0.00	20.70	79.30	0.00	
46M	09/30/2003	09:35	0.00	0.00	21.00	79.00	0.00	
47M	07/02/2003	08:40	0.00	0.00	20.80	79.20	0.00	
47M	07/08/2003	09:30	0.00	0.00	20.90	79.10	0.00	
47M	07/15/2003	09:27	0.00	0.00	20.70	79.30	0.00	
47M	07/22/2003	12:33	0.00	0.00	20.60	79.40	0.00	
47M	07/29/2003	08:40	0.00	0.00	16.10	83.90	0.00	

Hewitt Pit Probe Data - 7/1/2003 to 9/30/2003

Name	Date	Time	Methane (% by vol)	Carbon Dioxide (% by vol)	Oxygen (% by vol)	Balance Gas (% by vol)	Static Press (Inch H2O)	Comments
47M	08/05/2003	08:29	0.00	0.00	20.80	79.20	-0.80	
47M	08/12/2003	08:56	0.00	0.00	20.70	79.30	0.00	
47M	08/19/2003	13:37	0.00	0.00	20.10	79.90	0.00	
47M	08/26/2003	09:38	0.00	0.10	21.40	78.50	0.00	
47M	09/09/2003	07:43	0.00	0.00	19.70	80.30	0.00	
47M	09/16/2003	12:00	0.00	0.20	19.70	80.10	0.00	
47M	09/23/2003	10:16	0.00	0.00	20.90	79.10	0.00	
47M	09/30/2003	09:36	0.00	0.00	21.20	78.80	0.00	
48M	07/02/2003	08:41	0.00	0.30	20.00	79.70	0.00	
48M	07/08/2003	09:31	0.00	1.10	20.10	78.80	0.00	
48M	07/15/2003	09:28	0.00	0.30	19.70	80.00	0.00	
48M	07/22/2003	12:34	0.00	0.70	19.30	80.00	0.00	
48M	07/29/2003	08:41	0.00	0.80	15.00	84.20	0.00	
48M	08/05/2003	08:30	0.00	1.00	19.30	79.70	0.00	
48M	08/12/2003	08:58	0.00	0.70	19.50	79.80	0.00	
48M	08/19/2003	13:38	0.00	1.00	18.80	80.20	0.00	
48M	08/26/2003	09:40	0.00	0.20	21.20	78.60	0.00	
48M	09/09/2003	07:45	0.00	0.60	18.80	80.60	0.00	
48M	09/16/2003	12:02	0.00	0.80	18.90	80.30	0.00	
48M	09/23/2003	10:17	0.00	1.00	19.60	79.40	0.00	
48M	09/30/2003	09:37	0.00	0.70	20.30	79.00	0.00	
49M	07/02/2003	08:43	0.00	2.50	17.90	79.60	0.00	
49M	07/08/2003	09:33	0.00	4.00	17.80	78.20	0.00	
49M	07/15/2003	09:29	0.00	2.50	18.30	79.20	0.00	
49M	07/22/2003	12:36	0.00	2.80	17.70	79.50	0.00	
49M	07/29/2003	08:48	0.00	3.30	13.10	83.60	0.00	
49M	08/05/2003	08:32	0.00	3.20	18.10	78.70	0.00	
49M	08/12/2003	10:06	0.00	3.20	16.90	79.90	0.00	
49M	08/19/2003	13:40	0.00	2.30	17.60	80.10	0.00	
49M	08/26/2003	09:42	0.00	1.00	20.20	78.80	0.00	
49M	09/09/2003	07:48	0.00	1.50	18.40	80.10	0.00	
49M	09/16/2003	12:03	0.00	2.30	17.80	79.90	0.00	
49M	09/23/2003	10:19	0.00	2.30	18.80	78.90	0.00	
49M	09/30/2003	09:39	0.00	1.60	19.70	78.70	0.00	
50M	07/02/2003	08:44	0.00	0.50	19.70	79.80	0.00	
50M	07/08/2003	09:34	0.00	2.80	18.00	79.20	0.00	
50M	07/15/2003	09:30	0.00	0.30	19.80	79.90	0.00	
50M	07/22/2003	12:37	0.00	0.20	20.00	79.80	0.00	
50M	07/29/2003	08:49	0.00	0.60	15.10	84.30	0.00	
50M	08/05/2003	08:32	0.00	1.10	19.30	79.60	0.00	
50M	08/12/2003	10:07	0.00	0.50	19.10	80.40	0.00	
50M	08/19/2003	13:41	0.00	1.00	18.30	80.70	0.00	

Hewitt Pit Probe Data - 7/1/2003 to 9/30/2003

Name	Date	Time	Methane (% by vol)	Carbon Dioxide (% by vol)	Oxygen (% by vol)	Balance Gas (% by vol)	Static Press (Inch H2O)	Comments
50M	08/26/2003	09:43	0.00	2.00	18.90	79.10	0.00	
50M	09/09/2003	07:48	0.00	2.70	17.20	80.10	0.00	
50M	09/16/2003	12:04	0.00	1.20	18.80	80.00	0.00	
50M	09/23/2003	10:20	0.00	2.00	18.70	79.30	0.00	
50M	09/30/2003	09:40	0.00	2.30	18.60	79.10	0.00	
51M	07/02/2003	08:46	0.00	1.10	18.90	80.00	0.00	
51M	07/08/2003	09:36	0.00	2.10	19.00	78.90	0.00	
51M	07/15/2003	09:32	0.00	1.10	19.00	79.90	0.00	
51M	07/22/2003	12:38	0.00	0.80	18.90	80.30	0.00	
51M	07/29/2003	08:52	0.00	0.90	14.80	84.30	0.00	
51M	08/05/2003	08:35	0.00	1.20	19.50	79.30	0.00	
51M	08/12/2003	10:10	0.00	1.40	18.30	80.30	0.00	
51M	08/19/2003	13:43	0.00	0.80	18.60	80.60	0.00	
51M	08/19/2003	13:44	0.00	0.80	18.60	80.60	0.00	
51M	08/26/2003	09:45	0.00	1.00	20.30	78.70	0.00	
51M	09/09/2003	07:51	0.00	1.20	18.70	80.10	0.00	
51M	09/16/2003	12:07	0.00	0.90	19.30	79.80	0.00	
51M	09/23/2003	10:22	0.00	0.90	19.90	79.20	0.00	
51M	09/30/2003	09:43	0.00	1.00	20.00	79.00	0.00	
52M	07/02/2003	08:46	0.00	0.50	19.90	79.60	0.00	
52M	07/08/2003	09:37	0.00	0.40	20.00	79.60	0.00	
52M	07/15/2003	09:33	0.00	0.10	20.40	79.50	0.00	
52M	07/22/2003	12:39	0.00	0.30	19.80	79.90	0.00	
52M	07/29/2003	08:53	0.00	0.50	15.40	84.10	0.00	
52M	08/05/2003	08:35	0.00	0.50	20.00	79.50	0.00	
52M	08/12/2003	09:04	0.00	0.00	20.50	79.50	0.00	
52M	08/19/2003	13:45	0.00	0.30	19.20	80.50	0.00	
52M	08/26/2003	09:47	0.00	1.00	20.40	78.60	0.00	
52M	09/09/2003	07:52	0.00	0.20	19.40	80.40	0.00	
52M	09/16/2003	12:08	0.00	0.20	19.90	79.90	0.00	
52M	09/23/2003	10:23	0.00	0.20	20.70	79.10	0.00	
52M	09/30/2003	09:44	0.00	0.20	20.60	79.20	0.00	
53M	07/02/2003	08:48	0.00	0.20	20.10	79.70	0.00	
53M	07/08/2003	09:38	0.00	0.80	20.10	79.10	0.00	
53M	07/15/2003	09:35	0.00	0.30	20.10	79.60	0.00	
53M	07/22/2003	12:42	0.00	0.10	20.40	79.50	0.00	
53M	07/29/2003	08:55	0.00	0.20	15.60	84.20	0.00	
53M	08/05/2003	08:37	0.00	0.50	20.20	79.30	0.00	
53M	08/12/2003	10:12	0.00	0.20	19.40	80.40	0.00	
53M	08/19/2003	13:47	0.00	0.20	19.30	80.50	0.00	
53M	08/26/2003	09:49	0.00	0.10	21.30	78.60	0.00	
53M	09/09/2003	07:54	0.00	0.10	19.60	80.30	0.00	

Hewitt Pit Probe Data - 7/1/2003 to 9/30/2003

Name	Date	Time	Methane (% by vol)	Carbon Dioxide (% by vol)	Oxygen (% by vol)	Balance Gas (% by vol)	Static Press (Inch H2O)	Comments
53M	09/16/2003	12:10	0.00	0.10	20.10	79.80	0.00	
53M	09/23/2003	10:25	0.00	0.10	20.80	79.10	0.00	
53M	09/30/2003	09:46	0.00	0.00	21.10	78.90	0.00	
54M	07/02/2003	08:50	0.00	0.00	20.60	79.40	0.00	
54M	07/08/2003	09:40	0.00	0.00	21.00	79.00	0.00	
54M	07/15/2003	09:36	0.00	0.00	20.70	79.30	0.00	
54M	07/22/2003	12:43	0.00	0.00	20.70	79.30	0.00	
54M	07/29/2003	09:02	0.00	0.00	16.10	83.90	0.00	
54M	08/05/2003	08:39	0.00	0.00	20.90	79.10	0.00	
54M	08/12/2003	10:15	0.00	0.00	19.90	80.10	0.00	
54M	08/19/2003	13:49	0.00	1.60	17.80	80.60	0.00	
54M	08/26/2003	09:52	0.00	0.00	21.70	78.30	0.00	
54M	09/09/2003	07:55	0.00	1.00	18.60	80.40	0.00	
54M	09/16/2003	12:12	0.00	1.70	18.00	80.30	0.00	
54M	09/23/2003	10:27	0.00	0.90	19.80	79.30	0.00	
54M	09/30/2003	09:48	0.00	0.00	21.20	78.80	0.00	
55M	07/02/2003	08:51	0.00	0.00	20.70	79.30	0.00	
55M	07/08/2003	09:41	0.00	0.00	21.20	78.80	0.00	
55M	07/15/2003	09:38	0.00	0.70	19.90	79.40	0.00	
55M	07/22/2003	12:44	0.00	0.00	20.70	79.30	0.00	
55M	07/29/2003	09:07	0.00	0.00	16.10	83.90	0.00	
55M	08/05/2003	08:40	0.00	0.00	20.90	79.10	0.00	
55M	08/12/2003	10:17	0.00	0.00	20.00	80.00	0.00	
55M	08/19/2003	13:52	0.00	1.30	18.20	80.50	0.00	
55M	08/26/2003	09:54	0.00	0.00	21.80	78.20	0.00	
55M	09/09/2003	07:57	0.00	0.00	19.80	80.20	0.00	
55M	09/16/2003	12:13	0.00	0.80	19.20	80.00	0.00	
55M	09/23/2003	10:29	0.00	1.00	19.90	79.10	0.00	
55M	09/30/2003	09:50	0.00	1.30	19.40	79.30	0.00	
56M	07/02/2003	08:53	0.00	0.00	20.70	79.30	0.00	
56M	07/08/2003	09:43	0.00	0.00	20.70	79.30	0.00	
56M	07/15/2003	09:39	0.00	0.00	20.70	79.30	0.00	
56M	07/22/2003	12:45	0.00	0.00	20.70	79.30	0.00	
56M	07/29/2003	09:15	0.00	0.00	16.10	83.90	0.00	
56M	08/05/2003	08:42	0.00	0.00	20.90	79.10	0.00	
56M	08/12/2003	10:18	0.00	0.00	20.00	80.00	0.00	
56M	08/19/2003	13:53	0.00	0.00	19.80	80.20	0.00	
56M	08/26/2003	09:55	0.00	0.00	21.80	78.20	0.00	
56M	09/09/2003	07:59	0.00	0.00	19.90	80.10	0.00	
56M	09/16/2003	12:15	0.00	0.00	20.20	79.80	0.00	
56M	09/23/2003	10:30	0.00	0.00	21.00	79.00	0.00	
56M	09/30/2003	09:52	0.00	0.00	21.00	79.00	0.00	

Hewitt Pit Probe Data - 7/1/2003 to 9/30/2003

Name	Date	Time	Methane (% by vol)	Carbon Dioxide (% by vol)	Oxygen (% by vol)	Balance Gas (% by vol)	Static Press (Inch H2O)	Comments
57M	07/02/2003	08:54	0.00	0.00	20.70	79.30	0.00	
57M	07/08/2003	09:45	0.00	0.00	20.70	79.30	0.00	
57M	07/15/2003	09:41	0.00	0.10	20.40	79.50	0.00	
57M	07/22/2003	12:47	0.00	0.00	20.70	79.30	0.00	
57M	07/29/2003	09:17	0.00	0.00	16.10	83.90	0.00	
57M	08/05/2003	08:43	0.00	0.30	20.30	79.40	0.00	
57M	08/12/2003	10:20	0.00	0.00	20.00	80.00	0.00	
57M	08/19/2003	13:55	0.00	0.60	19.00	80.40	0.00	
57M	08/26/2003	09:57	0.00	0.00	21.70	78.30	0.00	
57M	09/09/2003	08:00	0.00	0.00	19.80	80.20	0.00	
57M	09/16/2003	12:17	0.00	0.20	19.70	80.10	0.00	
57M	09/23/2003	10:32	0.00	0.60	20.40	79.00	0.00	
57M	09/30/2003	09:53	0.00	0.00	21.10	78.90	0.00	
58M	07/02/2003	08:55	0.00	0.00	20.60	79.40	0.00	
58M	07/08/2003	09:47	0.00	0.00	20.70	79.30	0.00	
58M	07/15/2003	09:42	0.00	0.00	20.70	79.30	0.00	
58M	07/22/2003	12:48	0.00	0.00	20.70	79.30	0.00	
58M	07/29/2003	09:18	0.00	0.00	16.10	83.90	0.00	
58M	08/05/2003	08:44	0.00	0.00	20.70	79.30	0.00	
58M	08/12/2003	09:15	0.00	0.00	20.70	79.30	0.00	
58M	08/19/2003	13:57	0.00	0.00	19.60	80.40	0.00	
58M	08/26/2003	09:58	0.00	0.10	21.50	78.40	0.00	
58M	09/09/2003	08:01	0.00	0.00	19.80	80.20	0.00	
58M	09/16/2003	12:18	0.00	0.70	19.20	80.10	0.00	
58M	09/23/2003	10:33	0.00	0.80	20.00	79.20	0.00	
58M	09/30/2003	09:54	0.00	0.00	21.10	78.90	0.00	
59M	07/02/2003	08:57	0.00	0.00	20.70	79.30	0.00	
59M	07/08/2003	09:50	0.00	0.00	20.70	79.30	0.00	
59M	07/15/2003	09:44	0.00	0.00	20.60	79.40	0.00	
59M	07/22/2003	12:49	0.00	0.00	20.70	79.30	0.00	
59M	07/29/2003	09:20	0.00	0.00	16.10	83.90	0.00	
59M	08/05/2003	08:46	0.00	0.00	20.60	79.40	0.00	
59M	08/12/2003	10:22	0.00	0.00	19.90	80.10	0.00	
59M	08/19/2003	14:00	0.00	0.80	18.60	80.60	0.00	
59M	08/26/2003	09:59	0.00	0.60	20.90	78.50	0.00	
59M	09/09/2003	08:03	0.00	0.00	19.80	80.20	0.00	
59M	09/16/2003	12:20	0.00	0.20	19.60	80.20	0.00	
59M	09/23/2003	10:35	0.00	0.10	20.70	79.20	0.00	
59M	09/30/2003	09:56	0.00	0.00	21.10	78.90	0.00	
60M	07/02/2003	08:58	0.00	0.10	20.30	79.60	0.00	
60M	07/08/2003	09:52	0.00	0.00	21.00	79.00	0.00	
60M	07/15/2003	09:45	0.00	0.00	20.60	79.40	0.00	

Hewitt Pit Probe Data - 7/1/2003 to 9/30/2003

Name	Date	Time	Methane (% by vol)	Carbon Dioxide (% by vol)	Oxygen (% by vol)	Balance Gas (% by vol)	Static Press (Inch H2O)	Comments
60M	07/22/2003	12:51	0.00	0.00	20.70	79.30	0.00	
60M	07/29/2003	09:21	0.00	0.00	16.10	83.90	0.00	
60M	08/05/2003	08:47	0.00	0.40	20.00	79.60	0.00	
60M	08/12/2003	09:17	0.00	0.00	20.80	79.20	0.00	
60M	08/19/2003	14:01	0.00	0.50	18.80	80.70	0.00	
60M	08/26/2003	10:01	0.00	1.20	20.20	78.60	0.00	
60M	09/09/2003	08:04	0.00	0.00	19.80	80.20	0.00	
60M	09/16/2003	12:21	0.00	0.80	19.00	80.20	0.00	
60M	09/23/2003	10:37	0.00	1.00	19.90	79.10	0.00	
60M	09/30/2003	09:57	0.00	0.00	21.10	78.90	0.00	
61M	07/02/2003	09:00	0.00	0.30	19.90	79.80	0.00	
61M	07/08/2003	09:53	0.00	0.60	20.20	79.20	0.00	
61M	07/15/2003	09:47	0.00	0.30	19.90	79.80	0.00	
61M	07/22/2003	12:52	0.00	0.20	19.90	79.90	0.00	
61M	07/29/2003	09:23	0.00	0.60	15.20	84.20	0.00	
61M	08/05/2003	08:49	0.00	0.90	19.40	79.70	0.00	
61M	08/12/2003	09:19	0.00	0.60	19.30	80.10	0.00	
61M	08/19/2003	14:03	0.00	0.30	18.70	81.00	0.00	
61M	08/26/2003	10:02	0.00	0.60	20.60	78.80	0.00	
61M	09/09/2003	08:06	0.00	0.70	19.00	80.30	0.00	
61M	09/16/2003	12:23	0.00	0.30	19.30	80.40	0.00	
61M	09/23/2003	10:38	0.00	0.50	20.10	79.40	0.00	
61M	09/30/2003	09:59	0.00	0.30	20.50	79.20	0.00	
62M	07/02/2003	09:02	0.00	0.20	20.00	79.80	0.00	
62M	07/08/2003	09:55	0.00	5.40	15.50	79.10	0.00	
62M	07/15/2003	09:48	0.00	2.40	15.70	81.90	0.00	
62M	07/22/2003	12:55	0.00	0.70	18.20	81.10	0.00	
62M	07/29/2003	09:24	0.00	3.90	10.50	85.60	0.00	
62M	08/05/2003	08:51	0.00	5.50	14.20	80.30	0.00	
62M	08/12/2003	10:25	0.00	5.70	13.20	81.10	0.00	
62M	08/19/2003	14:04	0.00	5.20	12.40	82.40	0.00	
62M	08/26/2003	10:03	0.00	5.00	14.00	81.00	0.00	
62M	09/09/2003	08:07	0.00	8.20	11.90	79.90	0.00	
62M	09/16/2003	12:25	0.00	7.00	12.10	80.90	0.00	
62M	09/23/2003	10:40	0.00	8.40	12.30	79.30	0.00	
62M	09/30/2003	10:00	0.00	6.50	13.30	80.20	0.00	
63M	07/02/2003	09:03	0.00	0.60	20.00	79.40	0.00	
63M	07/08/2003	09:58	0.00	0.80	20.00	79.20	0.00	
63M	07/15/2003	09:49	0.00	0.80	19.00	80.20	0.00	
63M	07/22/2003	12:57	0.00	1.70	17.80	80.50	0.00	
63M	07/29/2003	09:26	0.00	0.80	14.60	84.60	0.00	
63M	08/05/2003	08:53	0.00	1.10	19.00	79.90	0.00	

Hewitt Pit Probe Data - 7/1/2003 to 9/30/2003

Name	Date	Time	Methane (% by vol)	Carbon Dioxide (% by vol)	Oxygen (% by vol)	Balance Gas (% by vol)	Static Press (Inch H2O)	Comments
63M	08/12/2003	10:27	0.00	1.50	17.10	81.40	0.00	
63M	08/19/2003	14:06	0.00	0.80	18.20	81.00	0.00	
63M	08/26/2003	08:35	0.00	1.20	18.90	79.90	0.00	
63M	09/09/2003	08:09	0.00	1.60	17.70	80.70	0.00	
63M	09/16/2003	12:27	0.00	0.70	18.80	80.50	0.00	
63M	09/23/2003	10:42	0.00	1.00	19.30	79.70	0.00	
63M	09/30/2003	10:02	0.00	0.50	19.90	79.60	0.00	
64M	07/02/2003	09:04	0.00	0.90	19.60	79.50	0.00	
64M	07/08/2003	10:00	0.40	3.80	18.50	77.30	0.00	
64M	07/15/2003	09:50	0.00	1.80	18.90	79.30	0.00	
64M	07/22/2003	12:58	0.00	1.60	18.90	79.50	0.00	
64M	07/29/2003	08:14	0.10	2.20	18.80	78.90	0.00	
64M	08/05/2003	08:54	0.00	0.50	20.00	79.50	0.00	
64M	08/12/2003	09:22	0.00	0.00	20.60	79.40	0.00	
64M	08/19/2003	14:08	0.00	1.20	18.30	80.50	0.00	
64M	08/26/2003	08:37	0.00	0.00	20.60	79.40	0.00	
64M	09/09/2003	08:11	0.00	1.50	18.70	79.80	0.00	
64M	09/16/2003	12:28	0.00	1.20	19.00	79.80	0.00	
64M	09/23/2003	10:44	0.00	1.70	19.40	78.90	0.00	
64M	09/30/2003	10:03	0.10	1.70	19.70	78.50	0.00	
65M	07/02/2003	08:57	0.00	0.00	21.00	79.00	0.00	
65M	07/08/2003	10:03	0.00	0.40	20.50	79.10	0.00	
65M	07/15/2003	09:52	0.00	0.00	20.30	79.70	0.00	
65M	07/22/2003	13:01	0.00	0.00	20.20	79.80	0.00	
65M	07/29/2003	08:16	0.00	0.10	20.20	79.70	0.00	
65M	08/05/2003	08:56	0.00	0.00	20.40	79.60	0.00	
65M	08/12/2003	09:24	0.00	0.00	20.60	79.40	0.00	
65M	08/19/2003	14:09	0.00	0.00	19.30	80.70	0.00	
65M	08/26/2003	08:39	0.00	0.00	20.60	79.40	0.00	
65M	09/09/2003	08:10	0.00	0.00	20.60	79.40	0.00	
65M	09/16/2003	12:30	0.00	0.00	20.10	79.90	0.00	
65M	09/23/2003	10:46	0.00	0.00	20.60	79.40	0.00	
65M	09/30/2003	10:05	0.00	0.00	20.70	79.30	0.00	
66M	07/02/2003	08:58	0.00	0.10	20.90	79.00	0.00	
66M	07/08/2003	10:04	0.00	0.20	20.90	78.90	0.00	
66M	07/15/2003	09:53	0.00	0.00	20.40	79.60	0.00	
66M	07/22/2003	13:02	0.00	0.10	20.30	79.60	0.00	
66M	07/29/2003	08:17	0.00	0.20	20.20	79.60	0.00	
66M	08/05/2003	08:59	0.00	0.10	20.30	79.60	0.00	
66M	08/12/2003	10:30	0.00	0.10	19.10	80.80	0.00	
66M	08/19/2003	14:11	0.00	0.10	19.10	80.80	0.00	
66M	08/26/2003	08:41	0.00	0.00	20.70	79.30	0.00	

Hewitt Pit Probe Data - 7/1/2003 to 9/30/2003

Name	Date	Time	Methane (% by vol)	Carbon Dioxide (% by vol)	Oxygen (% by vol)	Balance Gas (% by vol)	Static Press (Inch H2O)	Comments
66M	09/09/2003	08:11	0.00	0.00	20.80	79.20	0.00	
66M	09/16/2003	12:32	0.00	0.10	19.90	80.00	0.00	
66M	09/23/2003	10:48	0.00	0.10	20.60	79.30	0.00	
66M	09/30/2003	10:06	0.00	0.10	20.80	79.10	0.00	
67M	07/02/2003	09:00	0.00	0.10	20.70	79.20	0.00	
67M	07/08/2003	10:06	0.10	0.10	20.60	79.20	0.00	
67M	07/15/2003	09:54	0.00	0.00	20.40	79.60	0.00	
67M	07/22/2003	13:04	0.00	0.00	20.40	79.60	0.00	
67M	07/29/2003	08:19	0.00	0.00	20.50	79.50	0.00	
67M	08/05/2003	09:01	0.00	0.00	20.50	79.50	0.00	
67M	08/12/2003	10:33	0.00	0.00	19.50	80.50	0.00	
67M	08/19/2003	14:20	0.00	0.00	19.30	80.70	0.00	
67M	08/26/2003	08:44	0.00	0.00	20.70	79.30	0.00	
67M	09/09/2003	08:14	0.00	0.00	19.60	80.40	0.00	
67M	09/16/2003	12:34	0.00	0.00	20.00	80.00	0.00	
67M	09/23/2003	10:50	0.00	0.00	20.70	79.30	0.00	
67M	09/30/2003	10:08	0.00	0.00	20.90	79.10	0.00	
68M	07/02/2003	09:01	0.00	0.00	21.40	78.60	0.00	
68M	07/08/2003	10:07	0.00	0.00	20.70	79.30	0.00	
68M	07/15/2003	09:55	0.00	0.00	20.40	79.60	0.00	
68M	07/22/2003	13:05	0.00	0.00	20.50	79.50	0.00	
68M	07/29/2003	08:20	0.00	0.00	20.50	79.50	0.00	
68M	08/05/2003	09:03	0.00	0.00	20.60	79.40	0.00	
68M	08/12/2003	09:27	0.00	0.00	20.60	79.40	0.00	
68M	08/19/2003	14:21	0.00	0.20	19.30	80.50	0.00	
68M	08/26/2003	08:46	0.00	0.00	20.60	79.40	0.00	
68M	09/09/2003	08:15	0.00	0.00	19.80	80.20	0.00	
68M	09/16/2003	12:35	0.00	0.30	19.70	80.00	0.00	
68M	09/23/2003	10:51	0.00	0.10	20.70	79.20	0.00	
68M	09/30/2003	10:10	0.00	0.00	21.00	79.00	0.00	
69M	07/02/2003	08:05	0.00	0.10	20.70	79.20	0.00	
69M	07/08/2003	07:56	0.00	0.20	20.30	79.50	0.00	
69M	07/15/2003	08:08	0.00	0.10	20.70	79.20	0.00	
69M	07/22/2003	11:08	0.00	0.20	19.30	80.50	0.00	
69M	07/29/2003	06:56	0.00	0.10	20.30	79.60	0.00	
69M	08/05/2003	07:00	0.00	0.10	20.30	79.60	0.00	
69M	08/12/2003	08:35	0.00	0.10	19.90	80.00	0.00	
69M	08/19/2003	12:22	0.00	0.20	20.10	79.70	0.00	
69M	08/26/2003	07:36	0.00	0.00	20.60	79.40	0.00	
69M	09/09/2003	07:16	0.00	0.00	20.80	79.20	0.00	
69M	09/16/2003	10:16	0.00	0.10	19.60	80.30	0.00	
69M	09/23/2003	08:22	0.00	0.10	21.00	78.90	0.00	

Hewitt Pit Probe Data - 7/1/2003 to 9/30/2003

Name	Date	Time	Methane (% by vol)	Carbon Dioxide (% by vol)	Oxygen (% by vol)	Balance Gas (% by vol)	Static Press (Inch H2O)	Comments
69M	09/30/2003	08:03	0.00	0.10	20.60	79.30	0.00	
70M	07/02/2003	08:06	0.00	0.40	20.80	78.80	0.00	
70M	07/08/2003	07:58	0.00	0.30	20.20	79.50	0.00	
70M	07/15/2003	08:09	0.00	0.10	20.40	79.50	0.00	
70M	07/22/2003	11:10	0.00	0.20	19.50	80.30	0.00	
70M	07/29/2003	06:58	0.00	0.30	20.00	79.70	0.00	
70M	08/05/2003	07:15	0.00	0.20	20.20	79.60	0.00	
70M	08/12/2003	07:31	0.00	0.20	20.30	79.50	0.00	
70M	08/19/2003	12:24	0.00	0.00	20.30	79.70	0.00	
70M	08/26/2003	07:38	0.00	0.10	20.30	79.60	0.00	
70M	09/09/2003	07:18	0.00	0.30	20.30	79.40	0.00	
70M	09/16/2003	10:18	0.00	0.20	19.80	80.00	0.00	
70M	09/23/2003	08:24	0.00	0.20	20.70	79.10	0.00	
70M	09/30/2003	08:05	0.00	0.20	20.50	79.30	0.00	
71M	07/02/2003	08:09	0.00	0.00	20.80	79.20	0.00	
71M	07/08/2003	08:00	0.00	0.40	20.30	79.30	0.00	
71M	07/15/2003	08:12	0.00	0.00	20.70	79.30	0.00	
71M	07/22/2003	11:12	0.00	0.00	20.00	80.00	0.00	
71M	07/29/2003	07:00	0.00	0.00	20.40	79.60	0.00	
71M	08/05/2003	07:17	0.00	0.00	20.40	79.60	0.00	
71M	08/12/2003	08:39	0.00	0.00	19.90	80.10	0.00	
71M	08/19/2003	12:26	0.00	0.00	20.60	79.40	0.00	
71M	08/26/2003	07:40	0.00	0.00	20.50	79.50	0.00	
71M	09/09/2003	07:20	0.00	0.00	20.80	79.20	0.00	
71M	09/16/2003	10:20	0.00	0.00	20.20	79.80	0.00	
71M	09/23/2003	08:27	0.00	0.00	21.00	79.00	0.00	
71M	09/30/2003	08:08	0.00	0.00	20.90	79.10	0.00	
72M	07/02/2003	08:11	0.00	0.30	20.20	79.50	0.00	
72M	07/08/2003	08:03	0.00	0.20	20.10	79.70	0.00	
72M	07/15/2003	08:14	0.00	0.00	20.40	79.60	0.00	
72M	07/22/2003	11:14	0.00	0.10	19.80	80.10	0.00	
72M	07/29/2003	07:04	0.00	0.10	19.90	80.00	0.00	
72M	08/05/2003	07:19	0.00	0.00	20.50	79.50	0.00	
72M	08/12/2003	07:36	0.00	0.20	19.50	80.30	0.00	
72M	08/19/2003	12:28	0.00	0.10	20.40	79.50	0.00	
72M	08/26/2003	07:42	0.00	0.20	20.00	79.80	0.00	
72M	09/09/2003	07:22	0.00	0.10	20.60	79.30	0.00	
72M	09/16/2003	10:22	0.00	0.00	20.20	79.80	0.00	
72M	09/23/2003	08:31	0.00	0.10	20.70	79.20	0.00	
72M	09/30/2003	08:10	0.00	0.20	20.20	79.60	0.00	
73M	07/02/2003	08:13	0.00	0.00	20.80	79.20	0.00	
73M	07/08/2003	08:05	0.00	0.00	20.70	79.30	0.00	

Hewitt Pit Probe Data - 7/1/2003 to 9/30/2003

Name	Date	Time	Methane (% by vol)	Carbon Dioxide (% by vol)	Oxygen (% by vol)	Balance Gas (% by vol)	Static Press (Inch H2O)	Comments
73M	07/15/2003	08:16	0.00	0.00	20.80	79.20	0.00	
73M	07/22/2003	11:16	0.00	0.00	20.30	79.70	0.00	
73M	07/29/2003	07:11	0.00	0.00	20.50	79.50	0.00	
73M	08/05/2003	07:22	0.00	0.00	20.60	79.40	0.00	
73M	08/12/2003	08:43	0.00	0.00	19.90	80.10	0.00	
73M	08/19/2003	12:30	0.00	0.10	20.30	79.60	0.00	
73M	08/26/2003	07:44	0.00	0.00	20.50	79.50	0.00	
73M	09/09/2003	07:23	0.00	0.00	20.90	79.10	0.00	
73M	09/16/2003	10:25	0.00	0.10	20.20	79.70	0.00	
73M	09/23/2003	08:34	0.00	0.10	20.90	79.00	0.00	
73M	09/30/2003	08:12	0.00	0.00	20.90	79.10	0.00	
74M	07/02/2003	08:14	0.00	0.10	20.70	79.20	0.00	
74M	07/08/2003	08:07	0.00	0.20	20.60	79.20	0.00	
74M	07/15/2003	08:18	0.00	0.00	20.60	79.40	0.00	
74M	07/22/2003	11:18	0.00	0.00	20.20	79.80	0.00	
74M	07/29/2003	07:14	0.00	0.00	20.40	79.60	0.00	
74M	08/05/2003	07:22	0.00	0.00	20.50	79.50	0.00	
74M	08/12/2003	07:40	0.00	0.00	20.60	79.40	0.00	
74M	08/19/2003	12:32	0.00	0.00	20.50	79.50	0.00	
74M	08/26/2003	07:47	0.00	0.00	20.50	79.50	0.10	
74M	09/09/2003	07:25	0.00	0.00	20.80	79.20	0.00	
74M	09/16/2003	10:27	0.00	0.00	20.20	79.80	0.00	
74M	09/23/2003	08:36	0.00	0.00	20.90	79.10	0.00	
74M	09/30/2003	08:15	0.00	0.00	20.90	79.10	0.00	
75M	07/02/2003	08:17	0.00	0.20	20.60	79.20	0.00	
75M	07/08/2003	08:10	0.00	0.10	20.70	79.20	0.00	
75M	07/15/2003	08:20	0.00	0.00	20.60	79.40	0.00	
75M	07/22/2003	11:20	0.00	0.00	20.20	79.80	0.00	
75M	07/29/2003	07:15	0.00	0.00	20.50	79.50	0.00	
75M	08/05/2003	07:25	0.00	0.00	20.40	79.60	0.00	
75M	08/12/2003	08:49	0.00	0.00	19.50	80.50	0.00	
75M	08/19/2003	12:34	0.00	0.00	20.50	79.50	0.00	
75M	08/26/2003	07:49	0.00	0.00	20.50	79.50	0.00	
75M	09/09/2003	07:27	0.00	0.00	20.70	79.30	0.00	
75M	09/16/2003	10:30	0.00	0.00	20.30	79.70	0.00	
75M	09/23/2003	08:39	0.00	0.00	21.00	79.00	0.00	
75M	09/30/2003	08:17	0.00	0.00	20.90	79.10	0.00	
76M	07/02/2003	08:19	0.10	0.10	20.70	79.10	0.00	
76M	07/08/2003	08:12	0.00	0.00	20.90	79.10	0.00	
76M	07/15/2003	08:22	0.00	0.00	20.70	79.30	0.00	
76M	07/22/2003	11:22	0.00	0.00	20.30	79.70	0.00	
76M	07/29/2003	07:18	0.00	0.00	20.60	79.40	0.00	

Hewitt Pit Probe Data - 7/1/2003 to 9/30/2003

Name	Date	Time	Methane (% by vol)	Carbon Dioxide (% by vol)	Oxygen (% by vol)	Balance Gas (% by vol)	Static Press (Inch H2O)	Comments
76M	08/05/2003	07:27	0.00	0.00	20.60	79.40	0.00	
76M	08/12/2003	07:46	0.00	0.00	20.60	79.40	0.00	
76M	08/19/2003	12:36	0.00	0.00	20.60	79.40	0.00	
76M	08/26/2003	07:51	0.00	0.00	20.60	79.40	0.00	
76M	09/09/2003	07:29	0.00	0.00	20.90	79.10	0.00	
76M	09/16/2003	10:32	0.00	0.00	20.60	79.40	0.00	
76M	09/23/2003	08:41	0.10	0.00	21.10	78.80	0.00	
76M	09/30/2003	08:19	0.00	0.00	21.10	78.90	0.00	
77M	07/02/2003	08:22	0.00	0.00	20.80	79.20	0.00	
77M	07/08/2003	08:14	0.00	0.10	20.70	79.20	0.00	
77M	07/15/2003	08:25	0.00	0.00	20.70	79.30	0.00	
77M	07/22/2003	11:25	0.00	0.00	20.30	79.70	0.00	
77M	07/29/2003	07:20	0.00	0.00	20.60	79.40	0.00	
77M	08/05/2003	07:30	0.00	0.00	20.50	79.50	0.00	
77M	08/12/2003	08:53	0.00	0.00	19.80	80.20	0.20	
77M	08/19/2003	12:38	0.00	0.00	20.60	79.40	0.00	
77M	08/26/2003	07:56	0.00	0.00	20.60	79.40	0.00	
77M	09/09/2003	07:31	0.00	0.00	20.90	79.10	0.00	
77M	09/16/2003	10:35	0.00	0.00	20.60	79.40	0.00	
77M	09/23/2003	08:44	0.00	0.00	21.20	78.80	0.00	
77M	09/30/2003	08:22	0.00	0.00	21.10	78.90	0.00	
78M	07/02/2003	08:23	0.00	0.30	20.40	79.30	0.00	
78M	07/08/2003	08:16	0.00	0.00	20.70	79.30	0.00	
78M	07/15/2003	08:26	0.00	0.10	20.30	79.60	0.00	
78M	07/22/2003	11:26	0.00	0.10	19.90	80.00	0.00	
78M	07/29/2003	07:22	0.00	0.20	20.30	79.50	0.00	
78M	08/05/2003	07:31	0.00	0.50	19.90	79.60	0.00	
78M	08/12/2003	07:50	0.00	0.00	20.30	79.70	0.00	
78M	08/19/2003	12:40	0.00	0.00	20.40	79.60	0.00	
78M	08/26/2003	07:59	0.00	0.00	20.60	79.40	0.00	
78M	09/09/2003	07:33	0.00	0.00	20.80	79.20	0.00	
78M	09/16/2003	10:37	0.00	1.50	18.30	80.20	0.00	
78M	09/23/2003	08:47	0.00	0.20	20.90	78.90	0.00	
78M	09/30/2003	08:24	0.00	0.00	21.10	78.90	0.10	
79M	07/02/2003	08:25	0.00	0.20	20.60	79.20	0.00	
79M	07/08/2003	08:17	0.00	0.00	20.70	79.30	0.00	
79M	07/15/2003	08:28	0.00	1.60	18.00	80.40	0.00	
79M	07/22/2003	11:28	0.00	0.20	19.70	80.10	0.00	
79M	07/29/2003	07:23	0.00	0.90	18.90	80.20	0.00	
79M	08/05/2003	07:33	0.00	0.70	19.20	80.10	0.00	
79M	08/12/2003	08:57	0.00	2.10	16.90	81.00	0.00	
79M	08/19/2003	12:41	0.00	2.50	16.80	80.70	0.00	

Hewitt Pit Probe Data - 7/1/2003 to 9/30/2003

Name	Date	Time	Methane (% by vol)	Carbon Dioxide (% by vol)	Oxygen (% by vol)	Balance Gas (% by vol)	Static Press (Inch H2O)	Comments
79M	08/26/2003	08:01	0.00	0.30	20.30	79.40	0.00	
79M	09/09/2003	07:36	0.00	5.30	14.70	80.00	0.00	
79M	09/16/2003	10:39	0.00	0.00	20.10	79.90	0.00	
79M	09/23/2003	08:49	0.00	0.30	20.50	79.20	0.00	
79M	09/30/2003	08:25	0.00	1.80	18.70	79.50	0.00	
80M	07/02/2003	08:28	0.00	0.10	20.90	79.00	0.00	
80M	07/08/2003	08:20	0.00	0.00	20.70	79.30	0.00	
80M	07/15/2003	08:31	0.00	1.40	18.40	80.20	0.00	
80M	07/22/2003	11:31	0.00	0.00	20.30	79.70	0.00	
80M	07/29/2003	07:28	0.00	0.00	20.50	79.50	0.00	
80M	08/05/2003	07:35	0.00	0.00	20.60	79.40	0.00	
80M	08/12/2003	07:55	0.00	0.00	20.50	79.50	0.00	
80M	08/19/2003	12:44	0.00	0.60	19.60	79.80	0.00	
80M	08/26/2003	08:04	0.00	0.00	20.40	79.60	0.00	
80M	09/09/2003	07:40	0.00	0.40	19.90	79.70	0.00	
80M	09/16/2003	10:45	0.00	0.10	20.00	79.90	0.00	
80M	09/23/2003	08:53	0.00	0.00	21.10	78.90	0.00	
80M	09/30/2003	08:29	0.00	0.00	20.80	79.20	0.00	
81M	07/02/2003	08:29	0.00	0.10	20.80	79.10	0.00	
81M	07/08/2003	08:22	0.00	0.00	20.70	79.30	0.00	
81M	07/15/2003	08:32	0.00	0.00	20.70	79.30	0.00	
81M	07/22/2003	11:32	0.00	0.00	20.30	79.70	0.00	
81M	07/29/2003	07:30	0.00	0.00	20.50	79.50	0.00	
81M	08/05/2003	07:37	0.00	0.00	20.60	79.40	0.00	
81M	08/12/2003	09:04	0.00	0.20	19.40	80.40	0.00	
81M	08/19/2003	12:45	0.00	0.00	20.30	79.70	0.00	
81M	08/26/2003	08:05	0.00	0.00	20.50	79.50	0.00	
81M	09/09/2003	07:42	0.00	0.00	20.60	79.40	0.00	
81M	09/16/2003	10:47	0.00	0.10	20.30	79.60	0.00	
81M	09/23/2003	08:55	0.00	0.00	21.10	78.90	0.00	
81M	09/30/2003	08:31	0.00	0.00	21.00	79.00	0.00	
FLARE	07/02/2003	07:44	18.80	22.60	4.40	54.20	8.40	
FLARE	07/08/2003	07:14	19.50	24.80	4.40	51.30	8.60	
FLARE	07/15/2003	07:39	20.80	25.50	4.30	49.40	9.00	
FLARE	07/22/2003	10:51	20.50	23.70	4.30	51.50	8.90	
FLARE	07/29/2003	06:38	20.30	22.90	4.40	52.40	9.50	
FLARE	08/05/2003	06:25	19.30	22.30	4.90	53.50	9.30	
FLARE	08/12/2003	08:06	23.20	22.70	4.70	49.40	9.30	
FLARE	08/19/2003	12:11	19.50	22.70	4.30	53.50	9.40	
FLARE	08/26/2003	08:07	17.20	22.70	4.50	55.60	9.80	
FLARE	09/09/2003	08:26	18.90	22.70	4.70	53.70	9.90	
FLARE	09/16/2003	09:55	18.50	22.30	4.30	54.90	10.20	

Attachment 2

PROBE IDENTIFICATION TABLE

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HEWITT PIT LANDFILL
PROBE IDENTIFICATION TABLE

GEM 2000 ID NUMBER	PROBE MAP LOCATION
01M	1
02M	1A
03M	2
04M	2A
05M	3B
06M	4
07M	4A
08M	5
09M	5A
10M	6B
11M	6C
12M	6D
13M	7
14M	7A
15M	8A
16M	9
17M	10
18M	10A
19M	11B
20M	12B
21M	13B
22M	13D
23M	13C
24M	1B
25M	1C
26M	13X
27M	14B
28M	14C
29M	2B
30M	2C
31M	15A
32M	3B
33M	3C
34M	4B
35M	4C
36M	16A
37M	5B
38M	5C
39M	16X
40M	17A
41M	6A
42M	6C

GEM 2000 ID NUMBER	PROBE MAP LOCATION
43M	7B
44M	7C
45M	18B
46M	8B
47M	8C
48M	19
49M	20
50M	20A
51M	22
52M	22A
53M	23
54M	24
55M	24A
56M	25
57M	25A
58M	26
59M	26A
60M	26B
61M	27
62M	27A
63M	28
64M	30A
65M	31
66M	31A
67M	32
68M	32A
69M	33
70M	34
71M	35
72M	36B
73M	37
74M	38
75M	39
76M	40
77M	41
78M	42
79M	43
80M	45
81M	46

Attachment 3

LABORATORY RESULTS FOR TOCs and TACs in MAIN GAS HEADER INLET

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

September 24, 2003

LTR/507/03

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

re: Hewitt Pit

Dear Brian:

Please find enclosed the laboratory analysis report, quality assurance summary, and the original chain of custody form for one Tedlar bag sample received September 15, 2003.

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

Sincerely,

AtmAA, Inc.

Michael L. Porter
Laboratory Director

Encl.
MLP/bwf

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

LABORATORY ANALYSIS REPORT

SCAQMD Rule 1150.1 Components Analysis in Tedlar Bag Sample

Report Date: September 24, 2003
Client: GC Environmental
Project Location: Hewitt Pit Landfill
Client Project No.: 1003-7
Date Received: September 15, 2003
Date Analyzed: September 15, 2003

AtmAA Lab No.:	02583-1
Sample I.D.:	Probe HP-FS
Components	*(Concentration in %,v)*
Nitrogen	52.2
Oxygen	5.22
Methane	18.7
Carbon dioxide	21.8
	(Concentration in ppmv)
TGNMO	384
Hydrogen sulfide	19.2
	(Concentration in ppbv)
Benzene	766
Benzylchloride	<50
Chlorobenzene	106
Dichlorobenzenes*	410
1,1-dichloroethane	<30
1,2-dichloroethane	<20
1,1-dichloroethylene	<30
Dichloromethane	<30
1,2-dibromoethane	<20
Perchloroethene	31.2
Carbon tetrachloride	<30
Toluene	476
1,1,1-trichloroethane	<20
Trichloroethene	34.3
Chloroform	<20
Vinyl chloride	382
m + p-xylenes	1200
o-xylene	274

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

Michael L. Porter
Laboratory Director

QUALITY ASSURANCE SUMMARY
(Repeat Analyses)

Client Project No.: 1003-7
Date Received: September 15, 2003
Date Analyzed: September 15, 2003

Components	Sample ID	Repeat Analysis Run #1	Repeat Analysis Run #2	Mean Conc.	% Diff. From Mean
		(Concentration in %,v)			
Nitrogen	HP-FS	52.2	52.2	52.2	0.0
Oxygen	HP-FS	5.20	5.23	5.22	0.29
Methane	HP-FS	18.6	18.8	18.7	0.53
Carbon dioxide	HP-FS	21.8	21.8	21.8	0.0
		(Concentration in ppmv)			
TGNMO	HP-FS	387	380	384	0.91
Hydrogen sulfide	HP-FS	19.0	19.4	19.2	1.0
		(Concentration in ppbv)			
Benzene	HP-FS	754	779	766	1.6
Benzylchloride	HP-FS	<50	<50	---	---
Chlorobenzene	HP-FS	101	112	106	5.2
Dichlorobenzenes	HP-FS	422	399	410	2.8
1,1-dichloroethane	HP-FS	<30	<30	---	---
1,2-dichloroethane	HP-FS	<20	<20	---	---
1,1-dichloroethylene	HP-FS	<30	<30	---	---
Dichloromethane	HP-FS	<30	<30	---	---
1,2-dibromoethane	HP-FS	<20	<20	---	---
Perchloroethene	HP-FS	32.1	30.3	31.2	2.9
Carbon tetrachloride	HP-FS	<30	<30	---	---
Toluene	HP-FS	468	485	476	1.8

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-FS	<20	<20	---	---
Trichloroethene	HP-FS	35.8	32.8	34.3	4.4
Chloroform	HP-FS	<20	<20	---	---
Vinyl chloride	HP-FS	388	376	382	1.6
m + p-xylenes	HP-FS	1210	1190	1200	0.83
o-xylene	HP-FS	276	273	274	0.55

One Tedlar bag sample, laboratory number 02583-1, 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 15 repeat measurements from the one Tedlar bag sample is 1.6%.

CHAIN OF CUSTODY RECORD

Client/Project Name	Project Location
GC Environmental / Hewitt	Hewitt Pit Land fill, North Hollywood, CA
Project No. 1003-7 P.O. # 03-025	Field Logbook No.
Sampler: (Signature) B. Millage	Chain of Custody Tape No.

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	Perms	TGNMO	1150.1 List				REMARKS
HP-FS	9/15/03	0945	02583-1	GAS (Air)	X	X	X				

	Date	Time		Date	Time
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature)			Received by: (Signature)		
Relinquished by: (Signature) B. Millage	9/15/03	1039	Received for Laboratory: (Signature)	9/15/03	10:39
Sample Disposal Method:			Disposed of by: (Signature)		

SAMPLE COLLECTOR
Brian Millage (GCE)
1230 N. Jefferson St. #J
Anaheim CA 92807
(714) 632-9969

ANALYTICAL LABORATORY
AtmAA INC.
23917 Craftsman Rd.
Calabasas, CA 91302
(818) 223-3277

Attachment 4

ANNUAL SOURCE TEST REPORT

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HORIZON

AIR MEASUREMENT SERVICES, INC.

October 13, 2003

Mr. Brian Millage
GC Environmental
1230 North Jefferson Street, Suite J
Anaheim, California 92807

Dear Mr. Millage:

Please find enclosed three copies of the final report entitled "SCAQMD Rule 1150.1 Emissions Compliance Test on a Landfill Gas Flare".

If you have any questions, please call me at (805) 498-8781.

Sincerely,

HORIZON AIR MEASUREMENT SERVICES, INC.

Travis L. Williams by LS

Travis L. Williams
Project Manager

TW:lmg

986 LAWRENCE DR., SUITE 108, NEWBURY PARK, CALIFORNIA 91320 • (805) 498-8781 • FAX (805) 498-2173

TABLE OF CONTENTS

1. INTRODUCTION . . . . . Page 1

2. FLARE DESCRIPTION AND OPERATION . . . . . Page 2
   - 2.1 Process Description . . . . . Page 2
   - 2.2 Equipment Description . . . . . Page 2
   - 2.3 Operating Conditions . . . . . Page 2

3. SUMMARY OF RESULTS . . . . . Page 3

4. SAMPLING AND ANALYTICAL PROCEDURES . . . . . Page 5
   - 4.1 Sample Locations . . . . . Page 5
   - 4.1.1 Flare Exhaust . . . . . Page 5
   - 4.1.2 Landfill Gas Supply Line . . . . . Page 5
   - 4.2 Moisture . . . . . Page 5
   - 4.3 Flow Rate . . . . . Page 5
   - 4.3.1 Inlet . . . . . Page 5
   - 4.3.2 Outlet . . . . . Page 6
   - 4.4 Fixed Gases (O_2/CO_2) . . . . . Page 6
   - 4.4.1 Inlet . . . . . Page 6
   - 4.4.2 Exhaust . . . . . Page 6
   - 4.5 Total Non-Methane Hydrocarbons . . . . . Page 6
   - 4.5.1 Inlet . . . . . Page 6
   - 4.5.2 Exhaust . . . . . Page 7

APPENDIX A - Methods Description
APPENDIX B - Computer Printout of Results
APPENDIX C - Field Data Sheets
APPENDIX D - Laboratory Data
APPENDIX E - Process Data

Table 1

Summary

SOURCE TESTED:	Hewitt Landfill
TEST LOCATION:	7245 Laurel Canyon Boulevard North Hollywood, California 91605
UNIT(S) TESTED:	Landfill Gas Flare
TEST OBJECTIVE(S):	SCAQMD Rule 1150.1 Compliance Determination
TEST DATE:	September 15, 2003
TEST PERFORMED BY:	Horizon Air Measurement Services, Inc.
TEST PERSONNEL:	Mr. Travis L. Williams and Mr. Scott H. Bunch
TEST METHODOLOGY:	SCAQMD Method 25.1 and 25.3 for Fixed Gases and Total Non-Methane Hydrocarbons; SCAQMD Method 10.1 for Oxygen
PLANT CONTACT:	Mr. Brian Millage (GC Environmental)
FACILITY ID NO.:	3530 Sector PB
APPLICATION NO.:	343861

1. INTRODUCTION

At the request of G.C. Environmental, Inc., Horizon Air Measurement Services, Inc. (Horizon) conducted a source test on a landfill gas flare (Facility No. 3530 Sector PB - Application No. 343861) at the Hewitt Landfill located in North Hollywood, California. The test was conducted on the inlet and outlet of the flare controlling emissions from a landfill gas collection system. The purpose of the test was to demonstrate compliance with SCAQMD 1150.1 Section (j) for demonstrating non-methane organic carbon (NMOC) control efficiency of the landfill gas control system/flare.

Mr. Scott H. Bunch and Mr. Travis L. Williams of Horizon conducted the source test on September 15, 2003. Mr. Brian Millage of GC Environmental coordinated the testing.

2. FLARE DESCRIPTION AND OPERATION

2.1 Process Description

Landfill gas, which contains 30% to 60% methane, is produced when buried refuse decomposes. The subject equipment collects and destroys the gas that is produced at the Hewitt Landfill. The gas collection system utilizes wells installed in refuse to collect the landfill gas (LFG). The depth of the wells varies with the depth of the waste. The destruction of the collected gas occurs in the ground flare.

2.2 Equipment Description

Following is a description of the subject landfill gas collection and flare system:

1. Flare, John Zink, Model ZTOF, 8'-0" Dia. X 24'-0" H., 20,000,000 Btu/hr, with an automatic shutoff valve on the landfill gas inlet, flame arrestor, UV scanner and two automatic temperature controlled air dampers.
2. Exhaust system with two 15 H.P. blowers collecting gas from the LFG collection wells.
3. Inlet separator for water and particulate removal, V101 1'-8" O.D. X 7'-6" H.
4. Condensate water pump, P101, pneumatic to transfer water from V101 to the 1,000 gallon holding tanks.
5. Condensate destruction station with an air compressor, two 1000 gallons capacity holding tanks, pneumatic pump and spray nozzle.

2.3 Operating Conditions

The following operating conditions are set by Permit conditions:

Maximum Gas Flow	1500 scf/minute
Stack Temperature	≥1400 °F
Condensate Flow Rate	≤2 gpm

The landfill gas flow rate and stack temperature were recorded by Horizon and are included in Appendix E - Process Data.

3. SUMMARY OF RESULTS

The results of the total non-methane hydrocarbon testing at the flare inlet and outlet are provided in Table 3-1. The flare NMOC destruction efficiency was 96.9%. Flare NMOC exhaust concentration was 0.96 ppm C_6 @ 3% O_2, which is well within the SCAQMD Rule 1150.1 limit of 20 ppm C_6 @ 3% O_2.

Test Critique

No sampling or analytical problems were encountered during any part of the test.

Table 3-1
Destruction Efficiency
Results
Hewitt Landfill Flare
September 15, 2003

NMOC Destruction Efficiency

		INLET				OUTLET		
		Flow rate	492	dscfm		Flow rate	2983	dscfm
Species	Conc. (ppm)	Conc. (mg/dscf)	Em. Rate (lb/hr)		Conc. (ppm)	Conc. (mg/dscf)	Em. Rate (lb/hr)	Dest. Eff. (%)
Total Non-Methane Organics	530	10.13	0.66		2.69	0.051	0.020	96.92

NMOC Outlet Concentration

$$\frac{2.69 \text{ ppm TGNMO as } CH_4}{6} \times \frac{20.9\% O_2 - 3\% O_2}{20.9\% O_2 - 12.55\% O_2} = \underline{\underline{0.96 \text{ ppm}}} \text{ NMOC as Hexane @ } 3\% O_2$$

4. SAMPLING AND ANALYTICAL PROCEDURES

4.1 Sample Locations

4.1.1 Flare Exhaust

At the flare exhaust, a single sample point located at the stack center was utilized for the determination of the following parameters:

- methane/total non methane hydrocarbons
- O_2/CO_2

4.1.2 Landfill Gas Supply Line

Flow rate was determined using the existing landfill gas flow meter. A single sample port was utilized for the collection of the following compounds:

- methane/total non-methane hydrocarbons
- O_2/CO_2

4.2 Moisture

Moisture content of the landfill gas supply line was determined using a wet bulb/dry bulb thermometer (sling psycrometer).

4.3 Flow Rate

4.3.1 Inlet

Landfill gas flow rate was recorded from the facility in-line flow monitor.

4.3.2 Outlet

The exhaust flow rate was calculated stoichiometrically (EPA Method 19) based upon the landfill gas flow rate, landfill gas composition and stack dilution.

4.4 Fixed Gases (O_2/CO_2)

4.4.1 Inlet

Oxygen at the landfill gas supply line was determined using SCAQMD Method 10.1 analysis on SCAQMD Method 25.1 samples. Carbon dioxide was determined using SCAQMD Method 25.1 Total Combustion Analysis (TCA). Two, duplicate samples were analyzed. Descriptions of SCAQMD Method 10.1 and SCAQMD Method 25.1 are provided in Appendix A.

4.4.2 Exhaust

Oxygen and carbon dioxide at the exhaust location were determined using SCAQMD 10.1 analyses in SCAQMD Method 25.3 samples. Two, duplicate samples were analyzed. A description of SCAQMD Method 10.1 is provided in Appendix A.

4.5 Total Non-Methane Hydrocarbons

4.5.1 Inlet

Methane and total non-methane hydrocarbons at the landfill gas supply line were determined using SCAQMD Method 25.1. Two, duplicate samples were analyzed. A description of SCAQMD Method 25.1 is provided in Appendix A.

4.5.2 Exhaust

Methane and total non-methane hydrocarbons at the exhaust were determined using SCAQMD Method 25.3. Two, duplicate samples were analyzed. A description of SCAQMD Method 25.3 is provided in Appendix A.

APPENDIX A - Methods Description

Method:	**Carbon Monoxide and Carbon Dioxide by Gas Chromatograph/Non-Dispersive Infrared Detector (GC/NDIR) - Oxygen by Gas Chromatography-Thermal Conductivity (GC/TCD)**
Reference:	SCAQMD Method 10.1 (From Evacuated Canisters)
Principle:	An evacuated canister is filled with sample gas according to SCAQMD Method 25.1 or 25.3. The canister contents are analyzed by total combustion analyses/flame ionization detection for carbon monoxide and carbon dioxide. Oxygen is measured by a gas chromatograph using a thermal conductivity detector.
Sampling Procedure:	Refer to SAQMD Method 25.1 or 25.3.
Analytical Procedure:	Carbon monoxide and carbon dioxide - gas chromatography/non dispersive infrared detector (GC/NDIR). Oxygen - gas chromatography/thermal conductivity detector (GC/TCD).

Method:	**Determination of Total Gaseous Non-Methane Organic Emissions as Carbon**
Reference:	SCAQMD Method 25.1
Principle:	A sample of flue gas is drawn through a condensate trap and into an evacuated 12 liter tank. Volatile organic compounds (VOC), as total gaseous non-methane organics (TGNMO), are determined by combining results from independent analysis of condensate in the traps and gases in the tanks.
Sampling Procedure:	Duplicate gas samples are withdrawn from a source at a constant rate through condensate traps immersed in dry ice followed by evacuated 12 liter (nominal) tanks. Heavy organic components condense as liquids and solids in the condensate traps. Lighter components pass as gases through the traps into the tanks. The combined results from tanks and trap analyses are used to determine a qualitative and quantitative expression of the effluent gas stream. Duplicate sampling is designed into the system to demonstrate precision. The sampling apparatus is checked for leaks prior to the sampling program by attaching the probe end to an absolute pressure gauge and vacuum pump in series. The sample lines were evacuated to less than 10 mm Hg and the gauge shutoff valve is then closed. The sample lines are deemed to be leak-free if no loss of vacuum occurs as indicated by the vacuum gauge. During sampling the tank pressures are monitored with a 0-30 inch vacuum gauge to ensure integrated sampling. The final vacuum of each sample is measured using a slack tube manometer. The sample is then pressurized to 800 mm Hg absolute with ultrapure nitrogen. Each sample is then analyzed using the SCAQMD TCA procedure for total non methane hydrocarbons.
Analytical Procedure:	Condensate traps are analyzed by first stripping carbon dioxide (CO_2) from the trap. The organic contents are then removed and oxidized to CO_2. This CO_2 is quantitatively collected in an evacuated vessel and measured by injection into a flame ionization detection/total combustion analysis (FID/TCA) system. The organic content of the sample fraction collected in each tank is measured by injecting a portion into the FID/TCA analysis system which uses a two phase gas chromatography (GC) column to separate carbon monoxide (CO), methane (CH_4) and carbon dioxide (CO_2) from each other and from the total gaseous non-methane organics (TGNMO) which are eluted as backflush. All eluted components are first oxidized to CO_2 by a hopcalite catalyst and then reduced to methane by a nickel catalyst. The resulting methane is detected using the flame ionization detector. A gas standard containing CO, CH_4, CO_2 and propane, traceable to NBS, is used to calibrated the FID/TCA analysis system.

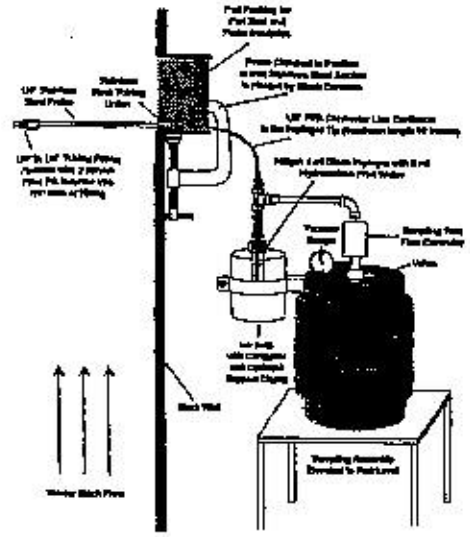
Method: **Determination of Total Gaseous Non-Methane Organic Emissions as Carbon**

Reference: SCAQMD Method 25.3

Principle: A sample of flue gas is drawn through a condensate trap (mini-impinger) and into an evacuated six liter SUMMA canister. Volatile organic compounds (VOC), as total gaseous non-methane organics (TGNMO), are determined by combining results from independent analysis of condensate in the traps and gases in the SUMMA canisters.

Sampling Procedure: Duplicate gas samples are withdrawn from a source at a constant rate through condensate traps immersed in an ice bath followed by evacuated six liter (nominal) SUMMA canisters. Heavy organic components condense as liquids and solids in the condensate traps. Lighter components pass as gases through the traps into the canisters. The combined results from canisters and mini-impinger analyses are used to determine a qualitative and quantitative expression of the effluent gas stream. Duplicate sampling is designed into the system to demonstrate precision.

The sampling apparatus is checked for leaks prior to the sampling program by capping the end of the sample probe. The sample flow valve is then opened and then closed to introduce vacuum to the system. The vacuum drop should then cease numerically above 10 in. Hg. A cease in movement of the vacuum gauge for a period of ten minutes indicates an acceptable leak check. When sampling is initiated, the vacuum gauge must indicate a canister vacuum of greater than 28 in. Hg. Immediately after sampling a post-test leak check is performed, followed by a rinse of the PFA line into the condensate trap with 0.5 to 1.0 ml of hydrocarbon free water.



Analytical Procedure: Condensate traps are analyzed for total organic carbon by liquid injection into an infrared total organic carbon analyzer.

The organic content of the sample fraction collected in each canister is measured by injecting a portion into the FID/TCA analysis system which uses a two phase gas chromatography (GC) column to separate carbon monoxide (CO), methane (CH_4) and carbon dioxide (CO_2) from each other and from the total gaseous non-methane organics (TGNMO) which are eluted as backflush. All eluted components are first oxidized to CO_2 by a hopcalite catalyst and then reduced to methane by a nickel catalyst. The resulting methane is detected using the flame ionization detector. A gas standard containing CO, CH_4, CO_2 and propane, traceable to NBS, is used to calibrated the FID/TCA analysis system.

APPENDIX B - Computer Printout of Results

EXPANSION AND F-FACTOR CALC. METHOD

Client:	G.C. Environ. - Hewitt Landfill	Date:	9/15/2003
Location:	North Hollywood, CA	Job #:	G21-006
Unit:	Flare	Run#:	1

Fuel temperature		deg. F	Std. Temp.	60	deg. F
Fuel Pressure		psi			
Fuel Flow Rate		cfm	Fuel Flow	492	dscfm
Exhaust Outlet O2	12.55	%			
Barometric Pressure	29.10				

COMPONENTS		MOLE %	HHV btu/ft3	LHV btu/ft3	Exp Factor dscf/scf fuel
Oxygen		4.51			0.045
Nitrogen		54.69			0.547
Carbon Dioxide		21.95			0.220
Methane		16.85	190.39	171.42	1.615
Ethane	C2		0.00	0.00	0.000
Propane	C3		0.00	0.00	0.000
Iso-Butane	C4		0.00	0.00	0.000
N-Butane			0.00	0.00	0.000
Iso-Pentane	C5		0.00	0.00	0.000
N-Pentane			0.00	0.00	0.000
Hexane	C6		0.00	0.00	0.000
Heptane	C7		0.00	0.00	0.000
Octane	C8		0.00	0.00	0.000
Nonane	C9		0.00	0.00	
Total		100.00	190.39	171.42	2.43

CALCULATIONS

EXHAUST FLOW RATE, Q = (scfm*Exp Fac)*(20.92/20.92-%O2)

2983 DSCFM

EPA F-Factor = (scf exhaust/scf fuel)/(btu/scf fuel)*(1000000 btu/MMbtu)

12748 dscf/Mmbtu

Total Non Methane Hydrocarbons
Destruction Efficiency Results
Hewitt Landfill
September 15, 2003

	Inlet			Outlet			
	Flow rate	492	dscfm	Flow rate	2983	dscfm	Destruction Efficiency
Species	Concentration (ppm)	Emission Rate (lb/hr)		Concentration (ppm)	Emission Rate (lb/hr)		(%)
TNMHC	530	0.660		2.69	0.0203		96.92

APPENDIX C - Field Data Sheets

TOTAL COMBUSTION ANALYSIS
SCAQMD METHOD 25
FIELD SAMPLING DATA SHEET

Job #: G21-006

Facility: Hewitt L.F.

Location: North Hollywood

Date: 09/15/03

Operator: SB

Control Device: Flare

Sample Location: Inlet

Ambient Temp.: ~75 °F

Baro. Pressure: 29.10

Start 0820
Stop 0920

SAMPLE A

Tank #: Q **Trap #:** Q

Initial Vacuum: 30" / 0.0 torr

Final Vacuum:

TIME (min.)	VACUUM ("Hg)	FLOW (cc/min)
00	29	160
05	28	
10	26.5	
15	25	
20	24	
25	23	
30	21.5	
35	20	
40	19	
45	18	
50	16.5	
55	15	
60	14	↓

SAMPLE B

Tank #: N **Trap #:** E

Initial Vacuum: 30" / 0.0 torr

Final Vacuum:

TIME (min.)	VACUUM ("Hg)	FLOW (cc/min)
00	29	160
05	28	
10	26	
15	25	
20	23.5	
25	22	
30	21	
35	19	
40	18	
45	17	
50	15	
55	14	
60	12.5	↓

LEAK RATE

Pre Test: ✓✓ SB

Post Test: ✓✓

Wet Bulb 70 °F
Dry Bulb 73 °F

TOTAL COMBUSTION ANALYSIS
SCAQMD METHOD 25
FIELD SAMPLING DATA SHEET

Job #: G21-006

Facility: Hewitt Land Fill

Location: North Hollywood, CA

Date: 09/15/93

Operator: TW

Control Device: Flare

Sample Location: Outlet

Ambient Temp.: ~76°F

Baro. Pressure: 29.10

SAMPLE A

Tank #: S9 **Trap #:** 464

Initial Vacuum: 30" / 1.0 time

Final Vacuum: 6"

Start → 0820

TIME (min.)	VACUUM ("Hg)	FLOW (cc/min)
00	30"	Set ↓
05	28	
10	26	
15	24	
20	22	
25	20	
30	18	
35	16	
40	14	
45	12	
50	10	
55	8	
60	6	

SAMPLE B

Tank #: S18 **Trap #:** 454

Initial Vacuum: 30" / 1.0 time

Final Vacuum: 6"

END → 0920

TIME (min.)	VACUUM ("Hg)	FLOW (cc/min)
00	30"	Set ↓
05	28	
10	26	
15	24	
20	22	
25	20	
30	18	
35	16	
40	14	
45	12	
50	10	
55	8	
60	6	

LEAK RATE

Pre Test : ✓✓ TW

Post Test: ✓✓ TW

APPENDIX D - Laboratory Data

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

LABORATORY ANALYSIS REPORT

Organic Carbon Analysis in Water Impinger and Methane & TGNMO Analysis in SUMMA Canister Samples from Impinger/Canister Train Sample Collection

Report Date: September 30, 2003
Client: Horizon Air Measurement
P.O. No.: Verbal
Client Project No.: G21-006
Source Location : GC Environmental / Hewitt Landfill
Source ID: Outlet

Date Received: September 15, 2003
Date Analyzed: September 15, 16, & 18, 2003

ANALYSIS DESCRIPTION

Methane and total gaseous non-methane organics were measured by flame ionization detection/total combustion analysis (FID/TCA). Organic carbon in water vial samples were measured by Dohrman total organic carbon analyzer, water FID/TCA.

AtmAA Lab No.	Sample ID	Canister Methane (ppm)	Canister Ethane (ppm)	Canister TGNMO (ppm)	Canister Carbon Dioxide (ppm)	Canister Oxygen (%v)	Impinger Organic Carbon as Methane (ppm)	Impinger Volume (ml)	P_1	P2
02583-12	Summa (S9)	<1	<1	2.19	76500	11.9	--	---	495	804
	Trap 46H	---	---	---	--	--	0.53	2.91	---	--
02583-13	Summa (S18)	1.23	<1	2.18	61400	13.2	—	--	554	807
	Trap 45H	—	--	---	---	--	0.48	2.56	--	--

TGNMO is total gaseous non-methane organics (excluding ethane), reported as ppm methane. No ethane was found in any sample at at lower detection limit of 1 ppmv methane. Impinger TOC results are not field blank corrected. The field blank vial 44H contained 1.09 ug total organic carbon as methane, corresponding to 0.39 ppmv for a 4.28 liter sample. P_1 and P_2 are initial and final pressures measured in mm Hg.

Michael L. Porter
Laboratory Director

QUALITY ASSURANCE SUMMARY
(Repeat Analysis)

Source Location : GC Environmental / Hewitt Landfill
Date Received: September 15, 2003
Date Analyzed: September 15, 16, & 18, 2003

Components	Sample ID	Repeat Analysis Run #1	Repeat Analysis Run #2	Mean Conc.	% Diff. From Mean
		(Concentration in ppmv)			
Methane	Summa (S9)	<1	<1	---	---
	Summa (S18)	1.23	1.23	1.23	0.0
Ethane	Summa (S9)	<1	<1	---	---
	Summa (S18)	<1	<1	---	---
TGNMO	Summa (S9)	2.26	2.12	2.19	3.2
	Summa (S18)	2.17	2.18	2.18	0.2
Carbon Dioxide	Summa (S9)	76900	76000	76500	0.59
Impinger TOC	Trap 46H	0.53	0.52	0.53	1.0
	Trap 45H	0.47	0.48	0.48	1.1
		(Concentration in %v)			
Oxygen	Summa (S9)	12.0	11.8	11.9	0.84

A set of 2 SUMMA canister/impinger samples, laboratory numbers 02583-(12-13), was analyzed for methane, total gaseous non-methane organics (TGNMO) & TOC, O2, and CO2. Agreement between repeat analysis is a measure of precision and is shown in the column "% Difference from Mean." Repeat analyses are an important part of AtmAA's quality assurance program. The average % Difference from Mean for 7 repeat measurements from the sample set of 2 SUMMA canister/ impinger samples is 0.98%.

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LABORATORY ANALYSIS REPORT

CO, CH_4, CO_2, TGNMO, and Ethane Analysis in Tanks and Traps by SCAQMD Method 25 (FID/TCA)

Report Date: October 7, 2003
Client: Horizon
P.O. No.: Verbal
Client Project No.: G21-006
Source Location: GC Environmental / Hewitt Pit Landfill / North Hollywood CA.
Source ID: inlet

Date Received: September 15, & October 3, 2003
Date Analyzed: September 17, & October 3, 2003

AtmAA Lab No.	Sample ID Tank	Sample ID Trap	Sample ID ICV	tank CO	tank CH_4	tank CO_2	tank TGNMO	tank Ethane	CO2 in ICV	tank Oxygen	P_1	P
				(Concentrations in ppmv)						(%)		
02583-10	O	Q	G	4.88	189000	219000	174	<5	1060	4.40	392	80
02583-11	N	E	A	5.42	188000	220000	236	<5	770	4.62	416	80

trap burn system blank 9 11.6

TGNMO is total gaseous non-methane organics (excluding ethane) reported as ppm methane.
Ethane is reported as ppmv methane.

P_1 - Initial Pressure, mm Hg
P_2 - Final Pressure, mm Hg

Michael L. Porter
Laboratory Director

CHAIN OF CUSTODY RECORD

Client/Project Name	Project Location
G.C. Environmental/Hewitt LF	North Hollywood, CA
Project No.	**Field Logbook No.**
G21-006	
Sampler: (Signature)	**Chain of Custody Tape No.**
[signature]	

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	TCA complete	SCAQMD M 25.3	Tvp/Imp. #	O_2/CO_2	pi		REMARKS
Tank# O	9/15/03		02583-10	12 L Tank	X		Q	X			Inlet
" N	↓		-11	↓	X		E	X			↓
Summa 59	↓		-12	6 L Summa		X	4GH	X			Outlet
" 518	↓		-13	↓		X	4SH	X			↓
							4PH				Blank

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	9/15/03	1030	[signature]	9/15/03	1030
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

HORIZON AIR MEASUREMENT SERVICES, INC
996 Lawrence Drive, Suite 108
Newbury Park, CA 91320
(805) 498-8781 Fax (805) 498-3173

ANALYTICAL LABORATORY

Atm AB
Calabasas, CA

№ 7941

CHAIN OF CUSTODY RECORD

Client/Project Name	Project Location
GC Environmental / Hewitt Land All	North Hollywood, CA
Project No.	**Field Logbook No.**
G21 006	
Sampler: (Signature)	**Chain of Custody Tape No.**
[signature]	

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	CO_2		Trap		Tank		REMARKS
IC/# 9	10-02-03				✓		—		—		System Blank
G					✓		Q		O		
A					✓		E		N		

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time
[signature]	10/3/02	10:10	Michael Porter	10/3/03	10:10
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

HORIZON AIR MEASUREMENT SERVICES, INC
996 Lawrence Drive, Suite 108
Newbury Park, CA 91320
(805) 498-8781 Fax (805) 498-3173

ANALYTICAL LABORATORY

ATM. A.A.
Calabasas, CA

Nº 7190

APPENDIX E - Process Data

OPERATING DATA
FOR LANDFILL FLARES

Facility: Howitt Landfill

Date: 8/15/03

Job No.: G21-006

Run #: 1

Source: Flare

Time	Landfill Gas Flow (CFM)	Condensate Injection ( )	Flare Temerature (°F)	Fuel Pressure ( )	Fuel Temp (°F)
0820	523		1552		
0830	504		1568		
0840	508		1544		
0850	513		1540		
0900	501		1551		
0910	494		1573		
0920	484		1535		
	AVG: 503.9		AVG: 1551.9	x ( ) =	.58

$503.9 \times \left(\frac{100-2.4}{100}\right) = \boxed{491.8 \text{ DSCF}}$

W_{CT} = 70 °F

P_{kg} = 73 °F

2.4%

Horizon Air Measurement Services, Inc.
H:\WPDOCS\FORMS\Fuel Gas Flow Rate For Landfill Flares