THIRD QUARTERLY AIR QUALITY MONITORING REPORT for the HEWITT PIT LANDFILL

July-September 2004

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 1003-9
October 2004

SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT
THIRD QUARTER 2004 QUARTERLY MONITORING REPORT
FOR THE
HEWITT PIT LANDFILL

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Project 1003-9

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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**. A probe identification table, shown as **Attachment 2**, corresponds to the monitoring probe locations on **Figure 1**. Monitoring was performed weekly for 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 report is attached to this compliance report as **Attachment 4**. The flare destruction efficiency was 95.5%. The NMOC exhaust concentration was 2.30 ppmv hexane at 3% oxygen, well below the 20 ppmv concentration limit.

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Figure 1

PROBE LOCATIONS

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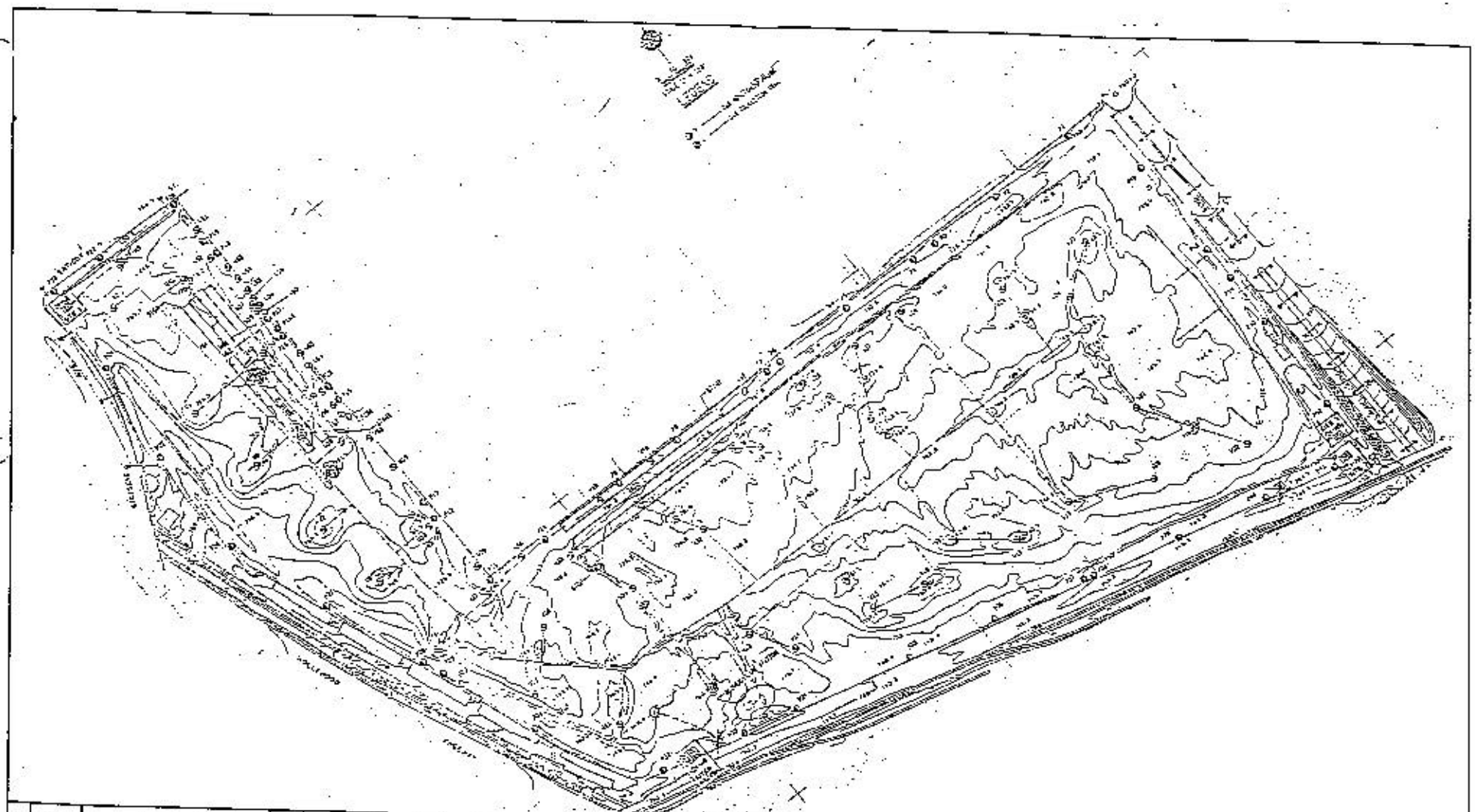

REV.	DATE	DESCRIPTION	BY

ENGINEER: GC ENVIRONMENTAL, INC.
[illegible] NORTH JEFFERSON ST. SUITE J
ANAHEIM CA. 92807. (714) 532-[illegible]

PROJECT LOCATION: HEWITT PIT LANDFILL
AL HOLLYWOOD, CA

DESCRIPTION: GAS MONITORING PROBE LOCATIONS

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

SHEET: FIG. 1

Attachment 1

GAS PROBE

MONITORING DATA

July through September 2004

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Hewitt Pit Probe Data - 07/1/2004 through 9/30/2004

Field Technician and Weather Conditions

Technician	Date	Ambient Temp	Barometric Pressure (In - Hg)	General Weather	Wind Speed	Wind Direction
ernesto m	07/07/2004	82	2998.0	Mostly Clear		
jose a	07/14/2004	88	2996.0	Mostly Clear		
jose a	07/21/2004	90	2996.0			
ernesto m	07/28/2004	90	2998.0			
ernesto m	08/05/2004	90	2996.0	Clear		
jose a	08/10/2004	88	2996.0	Clear		
jose a	08/17/2004	88	2998.0	Clear		
Jose A	08/31/2004	92	2998.0	Clear		
	09/07/2004					
Jose A	09/07/2004	86	2992.0	Clear		
jose a	09/14/2004	86	2996.0	Clear		
jose a	09/21/2004	88	2994.0	Mostly Clear		
jose a	09/28/2004	86	2996.0	Mostly Clear		

Name	Date	Time	Methane (% by vol)	Carbon Dioxide (% by vol)	Oxygen (% by vol)	Balance Gas (% by vol)	Static Press (Inch H2O)	Comments
01M	07/07/2004	09:36	0.0	3.7	15.5	80.8	0.0	
01M	07/14/2004	09:19	0.0	2.8	16.6	80.6	0.0	
01M	07/21/2004	09:05	0.0	2.5	16.9	80.6	0.0	
01M	07/28/2004	09:32	0.0	2.2	17.5	80.3	0.0	
01M	08/05/2004	09:05	0.0	2.5	17.1	80.4	0.0	
01M	08/10/2004	13:07	0.0	2.1	17.0	80.9	0.0	
01M	08/17/2004	00:00	0.0	2.3	18.0	79.7	0.0	
01M	08/31/2004	08:52	0.0	2.8	17.7	79.5	0.0	
01M	09/07/2004	12:21	0.0	2.5	17.1	80.4	0.0	
01M	09/14/2004	10:47	0.0	2.6	17.5	79.9	0.0	
01M	09/21/2004	09:12	0.0	1.9	18.5	79.6	0.0	
01M	09/28/2004	09:09	0.0	2.4	18.5	79.1	0.0	
02M	07/07/2004	09:37	0.0	2.9	15.9	81.2	0.0	
02M	07/14/2004	09:20	0.0	0.0	19.4	80.6	0.0	
02M	07/21/2004	09:05	0.0	0.0	19.2	80.8	0.0	
02M	07/28/2004	09:33	0.0	0.1	19.8	80.1	0.0	
02M	08/05/2004	09:06	0.0	0.0	19.7	80.3	0.0	
02M	08/10/2004	13:08	0.0	0.5	17.5	82.0	0.0	
02M	08/17/2004	00:00	0.0	0.0	20.5	79.5	0.0	
02M	08/31/2004	08:52	0.0	0.1	20.4	79.5	0.0	
02M	09/07/2004	12:22	0.0	3.6	15.6	80.8	0.0	
02M	09/14/2004	10:48	0.0	0.0	19.9	80.1	0.0	
02M	09/21/2004	09:13	0.0	2.0	18.0	80.0	0.0	
02M	09/28/2004	09:10	0.0	0.0	20.5	79.5	0.0	
03M	07/07/2004	09:40	0.0	1.0	19.3	79.7	0.0	

Hewitt Pit Probe Data - 07/1/2004 through 9/30/2004

Name	Date	Time	Methane (% by vol)	Carbon Dioxide (% by vol)	Oxygen (% by vol)	Balance Gas (% by vol)	Static Press (Inch H2O)	Comments
03M	07/14/2004	09:22	0.0	0.0	19.6	80.4	0.0	
03M	07/21/2004	09:08	0.0	0.1	19.3	80.6	0.0	
03M	07/28/2004	09:35	0.0	0.1	20.0	79.9	0.0	
03M	08/05/2004	09:08	0.0	0.2	19.7	80.1	0.0	
03M	08/10/2004	13:10	0.0	0.1	19.7	80.2	0.1	
03M	08/17/2004	00:00	0.0	0.1	20.5	79.4	0.0	
03M	08/31/2004	09:03	0.0	0.1	20.4	79.5	0.2	
03M	09/07/2004	12:25	0.0	0.2	19.3	80.5	0.0	
03M	09/14/2004	10:53	0.0	0.1	20.0	79.9	0.0	
03M	09/21/2004	09:15	0.0	0.0	20.2	79.8	0.0	
03M	09/28/2004	09:12	0.0	0.0	20.6	79.4	0.0	
04M	07/07/2004	09:41	0.0	2.2	18.0	79.8	0.0	
04M	07/14/2004	09:23	0.0	0.1	19.5	80.4	0.0	
04M	07/21/2004	09:09	0.0	0.3	18.9	80.8	0.0	
04M	07/28/2004	09:37	0.0	0.3	19.8	79.9	0.0	
04M	08/05/2004	09:10	0.0	0.2	19.7	80.1	0.0	
04M	08/10/2004	13:11	0.0	0.1	20.0	79.9	0.0	
04M	08/17/2004	00:00	0.0	0.1	20.6	79.3	0.0	
04M	08/31/2004	09:04	0.0	0.2	20.4	79.4	0.0	
04M	09/07/2004	12:26	0.0	0.1	19.8	80.1	0.0	
04M	09/14/2004	10:54	0.0	0.0	20.1	79.9	0.0	
04M	09/21/2004	09:16	0.0	0.0	20.3	79.7	0.0	
04M	09/28/2004	09:13	0.0	0.2	20.5	79.3	0.0	
05M	07/07/2004	09:43	0.0	0.1	20.0	79.9	0.0	
05M	07/14/2004	09:25	0.0	0.0	19.6	80.4	0.0	
05M	07/21/2004	09:11	0.0	0.3	18.9	80.8	0.0	
05M	07/28/2004	09:39	0.0	0.1	19.9	80.0	0.0	
05M	08/05/2004	09:12	0.0	0.1	19.8	80.1	0.0	
05M	08/10/2004	13:13	0.0	1.2	17.8	81.0	0.0	
05M	08/17/2004	00:00	0.0	1.0	19.4	79.6	0.0	
05M	08/31/2004	09:08	0.0	1.3	19.0	79.7	0.0	
05M	09/07/2004	12:28	0.0	2.0	18.0	80.0	0.0	
05M	09/14/2004	10:56	0.0	1.8	18.1	80.1	0.0	
05M	09/21/2004	09:18	0.0	0.1	20.2	79.7	0.0	
05M	09/28/2004	09:16	0.0	0.4	20.2	79.4	0.0	
06M	07/07/2004	09:45	0.0	3.1	16.4	80.5	0.0	
06M	07/14/2004	09:26	0.0	0.0	19.6	80.4	0.0	
06M	07/21/2004	09:13	0.0	0.0	19.4	80.6	0.0	
06M	07/28/2004	09:40	0.0	0.0	20.0	80.0	0.0	
06M	08/05/2004	09:13	0.0	0.7	19.0	80.3	0.0	
06M	08/10/2004	13:15	0.0	0.5	19.3	80.2	0.0	
06M	08/17/2004	00:00	0.0	0.1	20.5	79.4	0.0	

Hewitt Pit Probe Data - 07/1/2004 through 9/30/2004

Name	Date	Time	Methane (% by vol)	Carbon Dioxide (% by vol)	Oxygen (% by vol)	Balance Gas (% by vol)	Static Press (Inch H2O)	Comments
06M	03/31/2004	09:09	0.0	0.1	20.4	79.5	0.0	
06M	09/07/2004	12:29	0.0	0.0	19.8	80.2	0.0	
06M	09/14/2004	10:57	0.0	0.2	19.8	80.0	0.0	
06M	09/21/2004	09:20	0.0	0.0	20.4	79.6	0.0	
06M	09/28/2004	09:17	0.0	0.0	20.5	79.5	0.0	
07M	07/07/2004	09:46	0.0	2.1	17.8	80.1	0.0	
07M	07/14/2004	09:27	0.0	0.0	19.6	80.4	0.0	
07M	07/21/2004	09:13	0.0	0.0	19.5	80.5	0.0	
07M	07/28/2004	09:41	0.0	0.0	20.1	79.9	0.0	
07M	08/05/2004	09:14	0.0	0.1	19.8	80.1	0.0	
07M	08/10/2004	13:15	0.0	0.1	20.0	79.9	0.0	
07M	08/17/2004	00:00	0.0	0.0	20.7	79.3	0.0	
07M	08/31/2004	09:10	0.0	0.0	20.6	79.4	0.0	
07M	09/07/2004	12:30	0.0	1.0	18.6	80.4	0.0	
07M	09/14/2004	10:58	0.0	0.0	20.3	79.7	0.0	
07M	09/21/2004	09:21	0.0	0.0	20.4	79.6	0.0	
07M	09/28/2004	09:18	0.0	0.0	20.6	79.4	0.0	
08M	07/07/2004	09:49	0.0	0.3	19.8	79.9	0.0	
08M	07/14/2004	09:29	0.0	1.3	18.2	80.5	0.0	
08M	07/21/2004	09:16	0.0	0.8	18.7	80.5	0.0	
08M	07/28/2004	09:43	0.0	0.2	20.0	79.8	0.0	
08M	08/05/2004	09:18	0.0	2.4	17.4	80.2	0.0	
08M	08/10/2004	13:18	0.0	0.7	19.0	80.3	0.0	
08M	08/17/2004	00:00	0.0	0.0	20.7	79.3	0.0	
08M	08/31/2004	09:12	0.0	0.0	20.6	79.4	0.0	
08M	09/07/2004	12:32	0.0	3.3	15.7	81.0	0.0	
08M	09/14/2004	11:00	0.0	0.0	20.3	79.7	0.0	
08M	09/21/2004	09:24	0.0	0.0	20.4	79.6	0.0	
08M	09/28/2004	09:21	0.0	0.0	20.6	79.4	0.0	
09M	07/07/2004	09:50	0.0	1.5	18.8	79.7	0.0	
09M	07/14/2004	09:30	0.0	0.0	19.5	80.5	0.0	
09M	07/21/2004	09:16	0.0	0.0	19.4	80.6	0.0	
09M	07/28/2004	09:45	0.0	0.6	19.5	79.9	0.0	
09M	08/05/2004	09:19	0.0	0.0	19.7	80.3	0.0	
09M	08/10/2004	13:18	0.0	0.9	18.7	80.4	0.0	
09M	08/17/2004	00:00	0.0	0.0	20.7	79.3	0.0	
09M	08/31/2004	09:12	0.0	0.0	20.7	79.3	0.0	
09M	09/07/2004	12:33	0.0	2.0	17.1	80.9	0.0	
09M	09/14/2004	11:01	0.0	0.0	20.3	79.7	0.0	
09M	09/21/2004	09:24	0.0	0.7	20.2	79.1	0.0	
09M	09/28/2004	09:21	0.0	0.0	20.6	79.4	0.0	
10M	07/07/2004	09:53	0.0	0.8	18.6	80.6	0.0	

Hewitt Pit Probe Data - 07/1/2004 through 9/30/2004

Name	Date	Time	Methane (% by vol)	Carbon Dioxide (% by vol)	Oxygen (% by vol)	Balance Gas (% by vol)	Static Press (Inch H2O)	Comments
10M	07/14/2004	09:31	0.0	0.0	19.6	80.4	0.0	
10M	07/21/2004	09:18	0.0	0.3	18.7	81.0	0.0	
10M	07/28/2004	09:47	0.0	0.8	18.9	80.3	0.0	
10M	08/05/2004	09:21	0.0	0.9	18.8	80.3	0.0	
10M	08/10/2004	13:20	0.0	0.5	17.8	81.7	0.0	
10M	08/17/2004	00:00	0.0	0.5	19.7	79.8	0.0	
10M	08/31/2004	09:15	0.0	0.4	19.8	79.8	0.0	
10M	09/07/2004	12:35	0.0	0.5	18.8	80.7	0.0	
10M	09/14/2004	11:03	0.0	0.3	19.7	80.0	0.0	
10M	09/21/2004	09:27	0.0	0.0	20.2	79.8	0.0	
10M	09/28/2004	09:23	0.0	0.2	20.3	79.5	0.0	
11M	07/07/2004	09:54	0.0	0.4	18.4	81.2	0.0	
11M	07/14/2004	09:32	0.0	0.0	19.6	80.4	0.0	
11M	07/21/2004	09:19	0.0	0.0	19.0	81.0	0.0	
11M	07/28/2004	09:49	0.0	0.3	18.8	80.9	0.0	
11M	08/05/2004	09:22	0.0	0.1	19.7	80.2	0.0	
11M	08/10/2004	13:21	0.0	0.1	19.4	80.5	0.0	
11M	08/17/2004	00:00	0.0	0.1	20.4	79.5	0.0	
11M	08/31/2004	09:15	0.0	0.1	20.4	79.5	0.0	
11M	09/07/2004	12:36	0.0	0.0	19.8	80.2	0.0	
11M	09/14/2004	11:03	0.0	0.1	19.7	80.2	0.0	
11M	09/21/2004	09:27	0.0	0.0	20.3	79.7	0.0	
11M	09/28/2004	09:24	0.0	0.1	20.4	79.5	0.0	
12M	07/07/2004	09:55	0.0	0.3	19.7	80.0	0.0	
12M	07/14/2004	09:33	0.0	0.0	19.5	80.5	0.0	
12M	07/21/2004	09:20	0.0	0.1	19.1	80.8	0.0	
12M	07/28/2004	09:50	0.0	0.2	19.8	80.0	0.0	
12M	08/05/2004	09:23	0.0	0.3	19.4	80.3	0.0	
12M	08/10/2004	13:22	0.0	1.0	18.5	80.5	0.1	
12M	08/17/2004	00:00	0.0	0.3	20.3	79.4	0.0	
12M	08/31/2004	09:16	0.0	0.7	19.7	79.6	0.0	
12M	09/07/2004	12:37	0.0	1.3	18.4	80.3	0.0	
12M	09/14/2004	11:04	0.0	1.6	17.4	81.0	0.0	
12M	09/21/2004	09:28	0.0	1.1	19.0	79.9	0.0	
12M	09/28/2004	09:25	0.0	0.2	20.4	79.4	0.0	
13M	07/07/2004	09:57	0.0	0.2	20.0	79.8	0.0	
13M	07/14/2004	09:34	0.0	0.7	18.7	80.6	0.0	
13M	07/21/2004	09:22	0.0	0.7	18.4	80.9	0.0	
13M	07/28/2004	09:51	0.0	0.0	19.9	80.1	0.0	
13M	08/05/2004	09:24	0.0	0.0	19.8	80.2	0.0	
13M	08/10/2004	13:23	0.0	0.8	18.3	80.9	0.0	
13M	08/17/2004	00:00	0.0	1.1	19.1	79.8	0.0	

Hewitt Pit Probe Data - 07/1/2004 through 9/30/2004

Name	Date	Time	Methane (% by vol)	Carbon Dioxide (% by vol)	Oxygen (% by vol)	Balance Gas (% by vol)	Static Press (Inch H2O)	Comments
13M	08/31/2004	09:17	0.0	1.3	18.7	80.0	0.0	
13M	09/07/2004	12:38	0.0	1.6	17.3	81.1	0.0	
13M	09/14/2004	11:05	0.0	0.8	18.6	80.6	0.0	
13M	09/21/2004	09:30	0.0	1.8	18.3	79.9	0.0	
13M	09/28/2004	09:26	0.0	1.0	19.2	79.8	0.0	
14M	07/07/2004	09:58	0.0	0.0	20.1	79.9	0.0	
14M	07/14/2004	09:35	0.0	0.0	19.6	80.4	0.0	
14M	07/21/2004	09:22	0.0	0.0	19.5	80.5	0.0	
14M	07/28/2004	09:52	0.0	0.0	20.0	80.0	0.0	
14M	08/05/2004	09:25	0.0	0.0	19.9	80.1	0.0	
14M	08/10/2004	13:24	0.0	0.1	20.0	79.9	0.1	
14M	08/17/2004	00:00	0.0	0.0	20.7	79.3	0.0	
14M	08/31/2004	09:18	0.0	0.0	20.5	79.5	0.0	
14M	09/07/2004	12:39	0.0	0.0	19.9	80.1	0.0	
14M	09/14/2004	11:06	0.0	0.0	20.1	79.9	0.0	
14M	09/21/2004	09:31	0.0	0.0	20.4	79.6	0.0	
14M	09/28/2004	09:27	0.0	0.0	20.5	79.5	0.0	
15M	07/07/2004	09:59	0.0	0.0	20.1	79.9	0.0	
15M	07/14/2004	09:37	0.0	0.9	18.7	80.4	0.0	
15M	07/21/2004	09:25	0.0	0.9	18.4	80.7	0.0	
15M	07/28/2004	09:55	0.0	1.0	18.9	80.1	0.0	
15M	08/05/2004	09:26	0.0	0.0	19.9	80.1	0.0	
15M	08/10/2004	13:26	0.0	1.0	18.9	80.1	0.0	
15M	08/17/2004	00:00	0.0	1.0	19.7	79.3	0.0	
15M	08/31/2004	09:21	0.0	1.1	19.4	79.5	0.0	
15M	09/07/2004	12:41	0.0	1.0	18.6	80.4	0.0	
15M	09/14/2004	11:08	0.0	1.1	18.9	80.0	0.1	
15M	09/21/2004	09:33	0.0	1.1	19.2	79.7	0.0	
15M	09/28/2004	09:30	0.0	1.4	19.1	79.5	0.0	
16M	07/07/2004	10:00	0.0	0.0	20.1	79.9	0.0	
16M	07/14/2004	09:39	0.0	0.0	19.5	80.5	0.0	
16M	07/21/2004	09:27	0.0	0.0	19.4	80.6	0.0	
16M	07/28/2004	09:57	0.0	0.1	20.0	79.9	0.0	
16M	08/05/2004	09:27	0.0	0.0	20.0	80.0	0.0	
16M	08/10/2004	13:28	0.0	0.3	19.2	80.5	0.0	
16M	08/17/2004	00:00	0.0	0.0	20.6	79.4	0.0	
16M	08/31/2004	09:22	0.0	0.1	20.4	79.5	0.0	
16M	09/07/2004	12:43	0.0	0.4	19.0	80.6	0.0	
16M	09/14/2004	11:10	0.0	0.5	19.1	80.4	0.0	
16M	09/21/2004	09:36	0.0	0.0	20.2	79.8	0.0	
16M	09/28/2004	09:32	0.0	0.0	20.5	79.5	0.0	
17M	07/07/2004	10:02	0.0	0.0	20.1	79.9	0.0	

Hewitt Pit Probe Data - 07/1/2004 through 9/30/2004

Name	Date	Time	Methane (% by vol)	Carbon Dioxide (% by vol)	Oxygen (% by vol)	Balance Gas (% by vol)	Static Press (Inch H2O)	Comments
17M	07/14/2004	09:41	0.0	0.0	19.5	80.5	0.0	
17M	07/21/2004	09:29	0.0	0.0	19.4	80.6	0.0	
17M	07/28/2004	09:58	0.0	0.0	20.0	80.0	0.0	
17M	08/05/2004	09:28	0.0	0.0	20.0	80.0	0.0	
17M	08/10/2004	13:30	0.0	0.0	19.7	80.3	0.0	
17M	08/17/2004	00:00	0.0	0.1	20.7	79.2	0.0	
17M	08/31/2004	09:24	0.0	0.1	20.4	79.5	0.1	
17M	09/07/2004	12:45	0.0	0.0	19.7	80.3	0.0	
17M	09/14/2004	11:12	0.0	0.0	19.9	80.1	0.0	
17M	09/21/2004	09:38	0.0	0.0	20.2	79.8	0.0	
17M	09/28/2004	09:34	0.0	0.0	20.5	79.5	0.0	
18M	07/07/2004	10:03	0.0	0.1	20.1	79.8	0.0	
18M	07/14/2004	09:42	0.0	0.0	19.5	80.5	0.0	
18M	07/21/2004	09:29	0.0	0.0	19.3	80.7	0.0	
18M	07/28/2004	10:00	0.0	0.1	19.9	80.0	0.0	
18M	08/05/2004	09:30	0.0	0.1	19.9	80.0	0.0	
18M	08/10/2004	13:31	0.0	0.1	19.8	80.1	0.0	
18M	08/17/2004	00:00	0.0	0.1	20.6	79.3	0.0	
18M	08/31/2004	09:25	0.0	0.1	20.4	79.5	0.0	
18M	09/07/2004	12:46	0.0	0.0	19.8	80.2	0.0	
18M	09/14/2004	11:13	0.0	0.0	20.0	80.0	0.0	
18M	09/21/2004	09:39	0.0	0.0	20.3	79.7	0.0	
18M	09/28/2004	09:35	0.0	0.1	20.5	79.4	0.0	
19M	07/07/2004	10:04	0.0	0.0	20.1	79.9	0.0	
19M	07/14/2004	09:44	0.0	0.0	19.6	80.4	0.0	
19M	07/21/2004	09:31	0.0	0.0	19.4	80.6	0.0	
19M	07/28/2004	10:01	0.0	0.0	20.0	80.0	0.0	
19M	08/05/2004	09:31	0.0	0.0	19.8	80.2	0.0	
19M	08/10/2004	13:32	0.0	0.0	20.0	80.0	0.0	
19M	08/17/2004	00:00	0.0	0.0	20.7	79.3	0.0	
19M	08/31/2004	09:27	0.0	0.0	20.5	79.5	0.0	
19M	09/07/2004	12:48	0.0	0.0	19.9	80.1	0.0	
19M	09/14/2004	11:15	0.0	0.0	20.1	79.9	0.0	
19M	09/21/2004	09:42	0.0	0.0	20.4	79.6	0.0	
19M	09/28/2004	09:37	0.0	0.0	20.5	79.5	0.0	
20M	07/07/2004	10:09	0.0	0.0	20.1	79.9	0.0	
20M	07/14/2004	09:46	0.0	0.0	19.7	80.3	0.0	
20M	07/21/2004	09:33	0.0	0.0	19.6	80.4	0.0	
20M	07/28/2004	10:04	0.0	0.0	20.0	80.0	0.0	
20M	08/05/2004	09:33	0.0	0.0	19.9	80.1	0.0	
20M	08/10/2004	13:34	0.0	0.0	20.2	79.8	0.0	
20M	08/17/2004	00:00	0.0	0.0	20.7	79.3	0.0	

Hewitt Pit Probe Data - 07/1/2004 through 9/30/2004

Name	Date	Time	Methane (% by vol)	Carbon Dioxide (% by vol)	Oxygen (% by vol)	Balance Gas (% by vol)	Static Press (Inch H2O)	Comments
20M	08/31/2004	09:29	0.0	0.0	20.7	79.3	0.0	
20M	09/07/2004	12:50	0.0	0.0	19.9	80.1	0.0	
20M	09/14/2004	11:17	0.0	0.0	20.3	79.7	0.0	
20M	09/21/2004	09:45	0.0	0.0	20.4	79.6	0.0	
20M	09/28/2004	09:39	0.0	0.0	20.6	79.4	0.0	
21M	07/07/2004	10:12	0.0	0.0	20.1	79.9	0.0	
21M	07/14/2004	09:47	0.0	0.0	19.7	80.3	0.0	
21M	07/21/2004	09:35	0.0	0.0	19.6	80.4	0.0	
21M	07/28/2004	10:05	0.0	0.0	20.0	80.0	0.0	
21M	08/05/2004	09:34	0.0	0.0	19.9	80.1	0.0	
21M	08/10/2004	13:36	0.0	0.0	20.2	79.8	0.0	
21M	08/17/2004	00:00	0.0	0.0	20.7	79.3	0.0	
21M	08/31/2004	09:31	0.0	0.0	20.7	79.3	0.0	
21M	09/07/2004	12:51	0.0	1.7	17.4	80.9	0.0	
21M	09/14/2004	11:18	0.0	0.0	20.2	79.8	0.0	
21M	09/21/2004	09:46	0.0	0.0	20.4	79.6	0.0	
21M	09/28/2004	09:40	0.0	0.0	20.6	79.4	0.0	
22M	07/07/2004	10:13	0.0	0.0	20.1	79.9	0.0	
22M	07/14/2004	09:49	0.0	0.0	19.6	80.4	0.0	
22M	07/21/2004	09:36	0.0	0.0	19.6	80.4	0.0	
22M	07/28/2004	10:08	0.0	0.0	20.0	80.0	0.0	
22M	08/05/2004	09:35	0.0	0.1	19.9	80.0	0.0	
22M	08/10/2004	13:38	0.0	0.0	20.0	80.0	0.0	
22M	08/17/2004	00:00	0.0	0.0	20.7	79.3	0.0	
22M	08/31/2004	09:32	0.0	0.0	20.7	79.3	0.0	
22M	09/07/2004	12:53	0.0	0.1	19.4	80.5	0.0	
22M	09/14/2004	11:19	0.0	0.4	19.6	80.0	0.0	
22M	09/21/2004	09:48	0.0	0.0	20.4	79.6	0.0	
22M	09/28/2004	09:42	0.0	0.0	20.6	79.4	0.0	
23M	07/07/2004	10:14	0.0	0.2	19.9	79.9	0.0	
23M	07/14/2004	09:50	0.0	0.0	19.7	80.3	0.0	
23M	07/21/2004	09:37	0.0	0.0	19.6	80.4	0.0	
23M	07/28/2004	10:09	0.0	0.2	19.9	79.9	0.0	
23M	08/05/2004	09:37	0.0	0.1	19.8	80.1	0.0	
23M	08/10/2004	13:39	0.0	0.3	19.7	80.0	0.0	
23M	08/17/2004	00:00	0.0	0.3	20.3	79.4	0.0	
23M	08/31/2004	09:34	0.0	0.3	20.3	79.4	0.0	
23M	09/07/2004	12:54	0.0	0.4	19.3	80.3	0.0	
23M	09/14/2004	11:20	0.0	0.4	19.6	80.0	0.0	
23M	09/21/2004	09:49	0.0	0.0	20.4	79.6	0.0	
23M	09/28/2004	09:43	0.0	0.1	20.5	79.4	0.0	
24M	07/07/2004	10:15	0.0	0.0	20.1	79.9	0.0	

Hewitt Pit Probe Data - 07/1/2004 through 9/30/2004

Name	Date	Time	Methane (% by vol)	Carbon Dioxide (% by vol)	Oxygen (% by vol)	Balance Gas (% by vol)	Static Press (Inch H2O)	Comments
24M	07/14/2004	09:51	0.0	0.0	19.6	80.4	0.0	
24M	07/21/2004	09:39	0.0	0.0	19.6	80.4	0.0	
24M	07/28/2004	10:10	0.0	0.0	20.0	80.0	0.0	
24M	08/05/2004	09:38	0.0	0.0	20.0	80.0	0.0	
24M	08/10/2004	13:40	0.0	0.0	20.0	80.0	0.0	
24M	08/17/2004	00:00	0.0	0.0	20.6	79.4	0.0	
24M	08/31/2004	09:35	0.0	0.0	20.6	79.4	0.0	
24M	09/07/2004	12:55	0.0	0.0	19.9	80.1	0.0	
24M	09/14/2004	11:22	0.0	0.0	20.1	79.9	0.0	
24M	09/21/2004	09:50	0.0	0.0	20.4	79.6	0.0	
24M	09/28/2004	09:44	0.0	0.0	20.6	79.4	0.0	
25M	07/07/2004	10:16	0.0	0.0	20.1	79.9	0.0	
25M	07/14/2004	09:52	0.0	0.0	19.7	80.3	0.0	
25M	07/21/2004	09:40	0.0	0.0	19.6	80.4	0.0	
25M	07/28/2004	10:11	0.0	0.0	20.1	79.9	0.0	
25M	08/05/2004	09:39	0.0	0.0	19.9	80.1	0.0	
25M	08/10/2004	13:41	0.0	0.0	20.1	79.9	0.0	
25M	08/17/2004	00:00	0.0	0.0	20.6	79.4	0.1	
25M	08/31/2004	09:35	0.0	0.0	20.6	79.4	0.0	
25M	09/07/2004	12:55	0.0	0.0	20.0	80.0	0.0	
25M	09/14/2004	11:22	0.0	0.0	20.2	79.8	0.0	
25M	09/21/2004	09:51	0.0	0.0	20.4	79.6	0.0	
25M	09/28/2004	09:45	0.0	0.0	20.6	79.4	0.0	
26M	07/07/2004	10:17	0.0	0.1	20.0	79.9	0.0	
26M	07/14/2004	09:53	0.0	0.0	19.6	80.4	0.0	
26M	07/21/2004	09:41	0.0	0.0	19.5	80.5	0.0	
26M	07/28/2004	10:12	0.0	0.2	20.0	79.8	0.0	
26M	08/05/2004	09:40	0.0	0.0	20.0	80.0	0.0	
26M	08/10/2004	13:42	0.0	0.2	19.8	80.0	0.0	
26M	08/17/2004	00:00	0.0	0.0	20.5	79.5	0.2	
26M	08/31/2004	09:36	0.0	0.1	20.6	79.3	0.0	
26M	09/07/2004	12:58	0.0	0.0	19.8	80.2	0.0	
26M	09/14/2004	11:23	0.0	0.0	20.2	79.8	0.0	
26M	09/21/2004	09:53	0.0	0.0	20.5	79.5	0.0	
26M	09/28/2004	09:46	0.0	0.0	20.6	79.4	0.0	
27M	07/07/2004	10:18	0.0	0.0	20.1	79.9	0.0	
27M	07/14/2004	09:54	0.0	0.0	19.6	80.4	0.0	
27M	07/21/2004	09:42	0.0	0.1	19.2	80.7	0.0	
27M	07/28/2004	10:14	0.0	0.0	20.0	80.0	0.0	
27M	08/05/2004	09:42	0.0	0.0	19.9	80.1	0.0	
27M	08/10/2004	13:44	0.0	0.1	19.9	80.0	0.0	
27M	08/17/2004	00:00	0.0	0.1	20.5	79.4	0.0	

Hewitt Pit Probe Data - 07/1/2004 through 9/30/2004

Name	Date	Time	Methane (% by vol)	Carbon Dioxide (% by vol)	Oxygen (% by vol)	Balance Gas (% by vol)	Static Press (Inch H2O)	Comments
27M	08/31/2004	09:38	0.0	0.0	20.5	79.5	0.0	
27M	09/07/2004	12:59	0.0	0.0	19.9	80.1	0.0	
27M	09/14/2004	11:24	0.0	0.1	19.9	80.0	0.0	
27M	09/21/2004	09:54	0.0	0.0	20.3	79.7	0.0	
27M	09/28/2004	09:48	0.0	0.0	20.6	79.4	0.0	
28M	07/07/2004	10:19	0.0	0.2	20.0	79.8	0.0	
28M	07/14/2004	09:54	0.0	0.0	19.6	80.4	0.0	
28M	07/21/2004	09:43	0.0	0.0	19.5	80.5	0.0	
28M	07/28/2004	10:15	0.0	0.0	20.0	80.0	0.0	
28M	08/05/2004	09:43	0.0	0.4	19.5	80.1	0.0	
28M	08/10/2004	13:45	0.0	1.2	18.3	80.5	0.0	
28M	08/17/2004	00:00	0.0	0.9	19.6	79.5	0.0	
28M	08/31/2004	09:39	0.0	0.0	20.6	79.4	0.0	
28M	09/07/2004	13:00	0.0	0.8	19.1	80.1	0.0	
28M	09/14/2004	11:25	0.0	0.0	20.1	79.9	0.0	
28M	09/21/2004	09:55	0.0	0.0	20.4	79.6	0.0	
28M	09/28/2004	09:48	0.0	0.0	20.6	79.4	0.0	
29M	07/07/2004	10:20	0.0	0.0	20.1	79.9	0.0	
29M	07/14/2004	09:55	0.0	0.0	19.6	80.4	0.0	
29M	07/21/2004	09:44	0.0	0.0	19.6	80.4	0.0	
29M	07/28/2004	10:16	0.0	0.0	20.0	80.0	0.0	
29M	08/05/2004	09:44	0.0	0.0	20.0	80.0	0.0	
29M	08/10/2004	13:46	0.0	0.0	20.1	79.9	0.0	
29M	08/17/2004	00:00	0.0	0.0	20.5	79.5	0.0	
29M	08/31/2004	09:40	0.0	0.0	20.7	79.3	0.0	
29M	09/07/2004	13:01	0.0	0.0	19.9	80.1	0.0	
29M	09/14/2004	11:26	0.0	0.0	20.1	79.9	0.0	
29M	09/21/2004	09:56	0.0	0.0	20.5	79.5	0.0	
29M	09/28/2004	09:50	0.0	0.0	20.6	79.4	0.0	
30M	07/07/2004	10:21	0.0	0.0	20.1	79.9	0.0	
30M	07/14/2004	09:56	0.0	0.0	19.7	80.3	0.0	
30M	07/21/2004	09:45	0.0	0.0	19.6	80.4	0.0	
30M	07/28/2004	10:17	0.0	0.0	20.0	80.0	0.0	
30M	08/05/2004	09:46	0.0	0.0	20.0	80.0	0.0	
30M	08/10/2004	13:46	0.0	0.0	20.2	79.8	0.1	
30M	08/17/2004	00:00	0.0	0.0	20.6	79.4	0.0	
30M	08/31/2004	09:40	0.0	0.0	20.8	79.2	0.0	
30M	09/07/2004	13:02	0.0	0.0	19.9	80.1	0.0	
30M	09/14/2004	11:27	0.0	0.0	20.2	79.8	0.0	
30M	09/21/2004	09:57	0.0	0.0	20.4	79.6	0.0	
30M	09/28/2004	09:51	0.0	0.0	20.6	79.4	0.0	
31M	07/07/2004	10:22	0.0	0.0	20.1	79.9	0.0	

Hewitt Pit Probe Data - 07/1/2004 through 9/30/2004

Name	Date	Time	Methane (% by vol)	Carbon Dioxide (% by vol)	Oxygen (% by vol)	Balance Gas (% by vol)	Static Press (Inch H2O)	Comments
31M	07/14/2004	09:56	0.0	0.0	19.7	80.3	0.0	
31M	07/21/2004	09:45	0.0	0.0	19.6	80.4	0.0	
31M	07/28/2004	10:18	0.0	0.0	20.1	79.9	0.0	
31M	08/05/2004	09:47	0.0	0.0	20.0	80.0	0.0	
31M	08/10/2004	13:48	0.0	0.0	20.1	79.9	0.0	
31M	08/17/2004	00:00	0.0	0.0	20.7	79.3	0.0	
31M	08/31/2004	09:41	0.0	0.0	20.8	79.2	0.0	
31M	09/07/2004	13:03	0.0	0.0	20.0	80.0	0.0	
31M	09/14/2004	11:27	0.0	0.0	20.2	79.8	0.0	
31M	09/21/2004	09:59	0.0	0.0	20.5	79.5	0.0	
31M	09/28/2004	09:51	0.0	0.0	20.7	79.3	0.0	
32M	07/07/2004	10:23	0.0	0.0	20.1	79.9	0.0	
32M	07/14/2004	09:58	0.0	0.0	19.7	80.3	0.0	
32M	07/21/2004	09:46	0.0	0.0	19.6	80.4	0.0	
32M	07/28/2004	10:19	0.0	0.1	20.0	79.9	0.0	
32M	08/05/2004	09:49	0.0	0.1	19.9	80.0	0.0	
32M	08/10/2004	13:49	0.0	0.2	19.9	79.9	0.0	
32M	08/17/2004	00:00	0.0	0.0	20.6	79.4	0.0	
32M	08/31/2004	09:43	0.0	0.0	20.7	79.3	0.0	
32M	09/07/2004	13:04	0.0	0.0	19.9	80.1	0.0	
32M	09/14/2004	11:28	0.0	0.0	20.2	79.8	0.0	
32M	09/21/2004	10:02	0.0	0.0	20.4	79.6	0.0	
32M	09/28/2004	09:53	0.0	0.0	20.6	79.4	0.0	
33M	07/07/2004	10:23	0.0	0.0	20.1	79.9	0.0	
33M	07/14/2004	09:59	0.0	0.0	19.7	80.3	0.0	
33M	07/21/2004	09:47	0.0	0.0	19.6	80.4	0.0	
33M	07/28/2004	10:20	0.0	0.0	20.0	80.0	0.0	
33M	08/05/2004	09:51	0.0	0.0	20.0	80.0	0.0	
33M	08/10/2004	13:50	0.0	0.0	20.0	80.0	0.0	
33M	08/17/2004	00:00	0.0	0.0	20.7	79.3	0.0	
33M	08/31/2004	09:43	0.0	0.0	20.8	79.2	0.0	
33M	09/07/2004	13:05	0.0	0.0	19.9	80.1	0.0	
33M	09/14/2004	11:29	0.0	0.0	20.3	79.7	0.0	
33M	09/21/2004	10:03	0.0	0.0	20.4	79.6	0.0	
33M	09/28/2004	09:54	0.0	0.0	20.6	79.4	0.0	
34M	07/07/2004	10:24	0.0	0.3	19.8	79.9	0.0	
34M	07/14/2004	10:00	0.0	0.0	19.7	80.3	0.0	
34M	07/21/2004	09:49	0.0	0.0	19.6	80.4	0.0	
34M	07/28/2004	10:21	0.0	0.1	20.0	79.9	0.0	
34M	08/05/2004	09:53	0.0	0.2	19.7	80.1	0.0	
34M	08/10/2004	13:51	0.0	0.2	19.7	80.1	0.0	
34M	08/17/2004	00:00	0.0	0.0	20.6	79.4	0.0	

Hewitt Pit Probe Data - 07/1/2004 through 9/30/2004

Name	Date	Time	Methane (% by vol)	Carbon Dioxide (% by vol)	Oxygen (% by vol)	Balance Gas (% by vol)	Static Press (Inch H2O)	Comments
34M	08/31/2004	09:45	0.0	0.2	20.5	79.3	0.0	
34M	09/07/2004	13:06	0.0	0.0	19.8	80.2	0.0	
34M	09/14/2004	11:30	0.0	0.0	20.1	79.9	0.0	
34M	09/21/2004	10:05	0.0	0.3	20.1	79.6	0.0	
34M	09/28/2004	09:55	0.0	0.0	20.6	79.4	0.0	
35M	07/07/2004	10:25	0.0	0.5	19.6	79.9	0.0	
35M	07/14/2004	10:01	0.0	0.0	19.7	80.3	0.0	
35M	07/21/2004	09:50	0.0	0.0	19.6	80.4	0.0	
35M	07/28/2004	10:23	0.0	0.0	20.1	79.9	0.0	
35M	08/05/2004	09:55	0.0	0.6	19.3	80.1	0.0	
35M	08/10/2004	13:52	0.0	1.1	18.7	80.2	0.0	
35M	08/17/2004	00:00	0.0	0.0	20.6	79.4	0.0	
35M	08/31/2004	09:46	0.0	0.0	20.7	79.3	0.0	
35M	09/07/2004	13:07	0.0	2.8	16.5	80.7	0.0	
35M	09/14/2004	11:31	0.0	1.1	18.9	80.0	0.0	
35M	09/21/2004	10:06	0.0	0.0	20.4	79.6	0.0	
35M	09/28/2004	09:56	0.0	0.0	20.6	79.4	0.0	
36M	07/07/2004	10:26	0.0	1.6	18.7	79.7	0.0	
36M	07/14/2004	10:02	0.0	0.0	19.7	80.3	0.0	
36M	07/21/2004	09:51	0.0	1.6	17.5	80.9	0.0	
36M	07/28/2004	10:24	0.0	0.1	20.1	79.8	0.0	
36M	08/05/2004	09:57	0.0	2.5	17.4	80.1	0.0	
36M	08/10/2004	13:53	0.0	1.5	17.6	80.9	0.0	
36M	08/17/2004	00:00	0.0	2.0	18.5	79.5	0.0	
36M	08/31/2004	09:47	0.0	0.6	20.0	79.4	0.0	
36M	09/07/2004	13:08	0.0	1.5	18.4	80.1	0.0	
36M	09/14/2004	11:32	0.0	0.4	19.3	80.3	0.0	
36M	09/21/2004	10:07	0.0	0.9	19.7	79.4	0.0	
36M	09/28/2004	09:57	0.0	0.7	20.0	79.3	0.0	
37M	07/07/2004	10:27	0.0	0.0	20.1	79.9	0.0	
37M	07/14/2004	10:03	0.0	0.0	19.7	80.3	0.0	
37M	07/21/2004	09:52	0.0	0.0	19.6	80.4	0.0	
37M	07/28/2004	10:25	0.0	0.0	20.0	80.0	0.0	
37M	08/05/2004	09:59	0.0	0.0	20.0	80.0	0.0	
37M	08/10/2004	13:54	0.0	0.0	20.0	80.0	0.0	
37M	08/17/2004	00:00	0.0	0.0	20.5	79.5	0.0	
37M	08/31/2004	09:48	0.0	0.0	20.7	79.3	0.0	
37M	09/07/2004	13:09	0.0	0.1	19.7	80.2	0.0	
37M	09/14/2004	11:34	0.0	0.0	20.2	79.8	0.0	
37M	09/21/2004	10:08	0.0	0.0	20.4	79.6	0.0	
37M	09/28/2004	09:59	0.0	0.0	20.6	79.4	0.0	
38M	07/07/2004	10:28	0.0	0.0	20.1	79.9	0.0	

Hewitt Pit Probe Data - 07/1/2004 through 9/30/2004

Name	Date	Time	Methane (% by vol)	Carbon Dioxide (% by vol)	Oxygen (% by vol)	Balance Gas (% by vol)	Static Press (inch H2O)	Comments
38M	07/14/2004	10:04	0.0	0.0	19.7	80.3	0.0	
38M	07/21/2004	09:52	0.0	0.0	19.6	80.4	0.0	
38M	07/28/2004	10:26	0.0	0.0	20.0	80.0	0.0	
38M	08/05/2004	10:01	0.0	0.0	20.1	79.9	0.0	
38M	08/10/2004	13:55	0.0	0.0	20.0	80.0	0.0	
38M	08/17/2004	00:00	0.0	0.0	20.7	79.3	0.0	
38M	08/31/2004	09:49	0.0	0.0	20.8	79.2	0.0	
38M	09/07/2004	13:10	0.0	0.0	20.0	80.0	0.0	
38M	09/14/2004	11:35	0.0	0.0	20.2	79.8	0.0	
38M	09/21/2004	10:09	0.0	0.0	20.4	79.6	0.0	
38M	09/28/2004	10:00	0.0	0.0	20.7	79.3	0.0	
39M	07/07/2004	10:29	0.0	0.2	20.1	79.7	0.0	
39M	07/14/2004	10:06	0.0	0.0	19.5	80.5	0.0	
39M	07/21/2004	09:53	0.0	0.0	19.5	80.5	0.0	
39M	07/28/2004	10:27	0.0	0.1	20.1	79.8	0.0	
39M	08/05/2004	10:02	0.0	0.6	19.3	80.1	0.0	
39M	08/10/2004	13:56	0.0	0.1	19.7	80.2	0.0	
39M	08/17/2004	00:00	0.0	0.1	20.3	79.6	0.0	
39M	08/31/2004	09:50	0.0	0.1	20.6	79.3	0.0	
39M	09/07/2004	13:11	0.0	0.0	19.8	80.2	0.0	
39M	09/14/2004	11:36	0.0	0.0	20.1	79.9	0.0	
39M	09/21/2004	10:10	0.0	0.0	20.3	79.7	0.0	
39M	09/28/2004	10:01	0.0	0.0	20.7	79.3	0.0	
40M	07/07/2004	10:30	0.0	0.2	20.0	79.8	0.0	
40M	07/14/2004	10:06	0.0	0.1	19.3	80.6	0.0	
40M	07/21/2004	09:54	0.0	0.0	19.3	80.7	0.0	
40M	07/28/2004	10:28	0.0	0.0	20.1	79.9	0.0	
40M	08/05/2004	10:03	0.0	0.2	19.7	80.1	0.0	
40M	08/10/2004	13:57	0.0	0.2	19.6	80.2	0.0	
40M	08/17/2004	00:00	0.0	0.2	20.3	79.5	0.0	
40M	08/31/2004	09:53	0.0	0.2	20.4	79.4	0.0	
40M	09/07/2004	13:12	0.0	0.0	19.9	80.1	0.0	
40M	09/14/2004	11:37	0.0	0.1	19.9	80.0	0.0	
40M	09/21/2004	10:12	0.0	0.2	20.2	79.6	0.0	
40M	09/28/2004	10:02	0.0	0.2	20.6	79.2	0.0	
41M	07/07/2004	10:31	0.0	0.2	19.9	79.9	0.0	
41M	07/14/2004	10:07	0.0	0.3	19.2	80.5	0.0	
41M	07/21/2004	09:56	0.0	0.2	19.3	80.5	0.0	
41M	07/28/2004	10:29	0.0	0.0	20.1	79.9	0.0	
41M	08/05/2004	10:04	0.0	0.0	19.9	80.1	0.0	
41M	08/10/2004	13:58	0.0	0.5	19.3	80.2	0.0	
41M	08/17/2004	00:00	0.0	0.0	20.6	79.4	0.0	

Hewitt Pit Probe Data - 07/1/2004 through 9/30/2004

Name	Date	Time	Methane (% by vol)	Carbon Dioxide (% by vol)	Oxygen (% by vol)	Balance Gas (% by vol)	Static Press (Inch H2O)	Comments
41M	08/31/2004	09:54	0.0	0.2	20.4	79.4	0.0	
41M	09/07/2004	13:13	0.0	0.1	19.7	80.2	0.0	
41M	09/14/2004	11:38	0.0	0.3	19.8	79.9	0.0	
41M	09/21/2004	10:13	0.0	0.0	20.4	79.6	0.0	
41M	09/28/2004	10:03	0.0	0.0	20.6	79.4	0.0	
42M	07/07/2004	10:32	0.0	0.3	19.8	79.9	0.0	
42M	07/14/2004	10:08	0.0	0.3	19.2	80.5	0.0	
42M	07/21/2004	09:56	0.0	0.4	19.1	80.5	0.0	
42M	07/28/2004	10:30	0.0	0.0	20.0	80.0	0.0	
42M	08/05/2004	10:05	0.0	0.0	20.0	80.0	0.0	
42M	08/10/2004	13:59	0.0	1.0	18.7	80.3	0.0	
42M	08/17/2004	00:00	0.0	0.3	20.3	79.4	0.0	
42M	08/31/2004	09:54	0.0	0.0	20.6	79.4	0.0	
42M	09/07/2004	13:14	0.0	1.7	18.0	80.3	0.0	
42M	09/14/2004	11:38	0.0	1.0	19.0	80.0	0.0	
42M	09/21/2004	10:14	0.0	0.6	19.8	79.6	0.0	
42M	09/28/2004	10:04	0.0	0.0	20.6	79.4	0.0	
43M	07/07/2004	10:33	0.0	0.7	19.4	79.9	0.0	
43M	07/14/2004	10:10	0.0	0.2	19.4	80.4	0.0	
43M	07/21/2004	09:58	0.0	0.5	18.8	80.7	0.0	
43M	07/28/2004	10:32	0.0	0.7	19.4	79.9	0.0	
43M	08/05/2004	10:06	0.0	0.7	19.3	80.0	0.0	
43M	08/10/2004	14:00	0.0	0.7	18.9	80.4	0.0	
43M	08/17/2004	00:00	0.0	0.4	20.1	79.5	0.0	
43M	08/31/2004	09:56	0.0	0.7	19.8	79.5	0.0	
43M	09/07/2004	13:15	0.0	0.5	18.9	80.6	0.0	
43M	09/14/2004	11:40	0.0	0.7	19.2	80.1	0.1	
43M	09/21/2004	10:16	0.0	0.3	20.0	79.7	0.0	
43M	09/28/2004	10:06	0.0	0.0	20.7	79.3	0.0	
44M	07/07/2004	10:34	0.0	0.7	19.4	79.9	0.0	
44M	07/14/2004	10:11	0.0	0.1	19.6	80.3	0.0	
44M	07/21/2004	09:59	0.0	0.5	19.0	80.5	0.0	
44M	07/28/2004	10:33	0.0	0.6	19.6	79.8	0.0	
44M	08/05/2004	10:07	0.0	0.7	19.3	80.0	0.0	
44M	08/10/2004	14:01	0.0	0.7	19.0	80.3	0.0	
44M	08/17/2004	00:00	0.0	0.4	20.1	79.5	0.0	
44M	08/31/2004	09:57	0.0	0.0	20.6	79.4	0.0	
44M	09/07/2004	13:16	0.0	1.5	17.1	81.4	0.0	
44M	09/14/2004	11:41	0.0	0.8	19.2	80.0	0.0	
44M	09/21/2004	10:16	0.0	0.0	20.5	79.5	0.0	
44M	09/28/2004	10:07	0.0	0.3	20.5	79.2	0.0	
45M	07/07/2004	10:36	0.0	2.8	17.2	80.0	0.0	

Hewitt Pit Probe Data - 07/1/2004 through 9/30/2004

Name	Date	Time	Methane (% by vol)	Carbon Dioxide (% by vol)	Oxygen (% by vol)	Balance Gas (% by vol)	Static Press (Inch H2O)	Comments
45M	07/14/2004	10:13	0.0	0.9	18.3	80.8	0.0	
45M	07/21/2004	10:00	0.0	1.4	16.9	81.7	0.0	
45M	07/28/2004	10:35	0.0	2.4	17.1	80.5	0.0	
45M	08/05/2004	10:09	0.0	2.9	16.7	80.4	0.0	
45M	08/10/2004	14:03	0.0	2.8	15.6	81.6	0.1	
45M	08/17/2004	00:00	0.0	1.3	18.3	80.4	0.0	
45M	08/31/2004	09:58	0.0	0.6	19.8	79.6	0.0	
45M	09/07/2004	13:17	0.0	3.3	15.6	81.1	0.0	
45M	09/14/2004	11:42	0.0	2.6	17.0	80.4	0.0	
45M	09/21/2004	10:18	0.0	0.9	19.2	79.9	0.0	
45M	09/28/2004	10:08	0.0	1.0	19.5	79.5	0.0	
46M	07/07/2004	10:37	0.0	0.0	20.1	79.9	0.0	
46M	07/14/2004	10:14	0.0	0.0	19.6	80.4	0.0	
46M	07/21/2004	10:01	0.0	0.0	19.3	80.7	0.0	
46M	07/28/2004	10:36	0.0	0.1	19.9	80.0	0.0	
46M	08/05/2004	10:10	0.0	0.0	19.8	80.2	0.0	
46M	08/10/2004	14:04	0.0	1.9	17.7	80.4	0.0	
46M	08/17/2004	00:00	0.0	0.0	20.3	79.7	0.0	
46M	08/31/2004	09:59	0.0	0.0	20.6	79.4	0.0	
46M	09/07/2004	13:18	0.0	1.4	17.9	80.7	0.0	
46M	09/14/2004	11:43	0.0	0.0	19.9	80.1	0.0	
46M	09/21/2004	10:19	0.0	0.0	20.4	79.6	0.0	
46M	09/28/2004	10:09	0.0	0.0	20.6	79.4	0.0	
47M	07/07/2004	10:38	0.0	0.0	20.0	80.0	0.0	
47M	07/14/2004	10:15	0.0	0.0	19.7	80.3	0.0	
47M	07/21/2004	10:02	0.0	0.0	19.6	80.4	0.0	
47M	07/28/2004	10:37	0.0	0.0	20.0	80.0	0.0	
47M	08/05/2004	10:11	0.0	0.0	19.8	80.2	0.0	
47M	08/10/2004	14:04	0.0	0.0	20.0	80.0	0.0	
47M	08/17/2004	00:00	0.0	0.0	20.5	79.5	0.0	
47M	08/31/2004	10:00	0.0	0.0	20.7	79.3	0.0	
47M	09/07/2004	13:19	0.0	0.0	19.8	80.2	0.0	
47M	09/14/2004	11:44	0.0	0.0	20.1	79.9	0.0	
47M	09/21/2004	10:20	0.0	0.0	20.4	79.6	0.0	
47M	09/28/2004	10:10	0.0	0.0	20.6	79.4	0.0	
48M	07/07/2004	10:39	0.0	0.3	19.9	79.8	0.0	
48M	07/14/2004	10:16	0.0	0.1	19.5	80.4	0.0	
48M	07/21/2004	10:03	0.0	0.4	19.0	80.6	0.0	
48M	07/28/2004	10:38	0.0	0.6	19.6	79.8	0.0	
48M	08/05/200M	10:12	0.0	0.5	19.5	80.0	0.0	
48M	08/10/2004	14:05	0.0	0.4	19.2	80.4	0.0	
48M	08/17/2004	00:00	0.0	0.3	20.1	79.6	0.0	

Hewitt Pit Probe Data - 07/1/2004 through 9/30/2004

Name	Date	Time	Methane (% by vol)	Carbon Dioxide (% by vol)	Oxygen (% by vol)	Balance Gas (% by vol)	Static Press (Inch H2O)	Comments
48M	08/31/2004	10:01	0.0	0.4	20.2	79.4	0.0	
48M	09/07/2004	13:20	0.0	0.4	19.3	80.3	0.0	
48M	09/14/2004	11:45	0.0	0.6	19.4	80.0	0.0	
48M	09/21/2004	10:21	0.0	0.2	20.3	79.5	0.0	
48M	09/28/2004	10:11	0.0	0.4	20.4	79.2	0.0	
49M	07/07/2004	10:40	0.0	0.7	19.6	79.7	0.0	
49M	07/14/2004	10:17	0.0	1.6	18.2	80.2	0.0	
49M	07/21/2004	10:05	0.0	1.7	17.9	80.4	0.0	
49M	07/28/2004	10:40	0.0	0.8	19.4	79.8	0.0	
49M	08/05/2004	10:14	0.0	0.5	19.5	80.0	0.0	
49M	08/10/2004	14:07	0.0	1.3	18.6	80.1	0.0	
49M	08/17/2004	00:00	0.0	1.6	19.0	79.4	0.0	
49M	08/31/2004	10:04	0.0	1.3	19.4	79.3	0.0	
49M	09/07/2004	13:22	0.0	1.5	18.3	80.2	0.0	
49M	09/14/2004	11:46	0.0	1.1	19.1	79.8	0.0	
49M	09/21/2004	10:23	0.0	0.9	19.6	79.5	0.0	
49M	09/28/2004	10:14	0.0	1.1	19.7	79.2	0.0	
50M	07/07/2004	10:41	0.0	1.6	18.7	79.7	0.0	
50M	07/14/2004	10:18	0.0	1.6	18.0	80.4	0.0	
50M	07/21/2004	10:06	0.0	1.1	18.3	80.6	0.0	
50M	07/28/2004	10:41	0.0	1.7	18.5	79.8	0.0	
50M	08/05/2004	10:14	0.0	1.7	18.4	79.9	0.0	
50M	08/10/2004	14:07	0.0	1.5	18.3	80.2	0.0	
50M	08/17/2004	00:00	0.0	1.1	19.3	79.6	0.0	
50M	08/31/2004	10:05	0.0	1.7	18.9	79.4	0.0	
50M	09/07/2004	13:22	0.0	1.1	18.6	80.3	0.0	
50M	09/14/2004	11:47	0.0	1.8	18.5	79.7	0.0	
50M	09/21/2004	10:24	0.0	1.3	18.9	79.8	0.0	
50M	09/28/2004	10:15	0.0	1.6	19.2	79.2	0.0	
51M	07/07/2004	10:43	0.0	0.8	19.4	79.8	0.0	
51M	07/14/2004	10:21	0.0	0.9	18.6	80.5	0.0	
51M	07/21/2004	10:08	0.0	1.0	18.4	80.6	0.0	
51M	07/28/2004	10:43	0.0	0.7	19.5	79.8	0.0	
51M	08/05/2004	10:17	0.0	0.7	19.3	80.0	0.0	
51M	08/10/2004	14:10	0.0	1.0	18.9	80.1	0.0	
51M	08/17/2004	00:00	0.0	1.0	19.5	79.5	0.0	
51M	08/31/2004	10:08	0.0	0.8	19.8	79.4	0.0	
51M	09/07/2004	13:25	0.0	0.8	19.1	80.1	0.0	
51M	09/14/2004	11:50	0.0	0.9	19.2	79.9	0.0	
51M	09/21/2004	10:26	0.0	0.8	19.7	79.5	0.0	
51M	09/28/2004	10:18	0.0	0.9	19.8	79.3	0.0	
52M	07/07/2004	10:44	0.0	1.1	18.9	80.0	0.0	

Hewitt Pit Probe Data - 07/1/2004 through 9/30/2004

Name	Date	Time	Methane (% by vol)	Carbon Dioxide (% by vol)	Oxygen (% by vol)	Balance Gas (% by vol)	Static Press (Inch H2O)	Comments
52M	07/14/2004	10:22	0.0	0.0	19.4	80.6	0.0	
52M	07/21/2004	10:09	0.0	0.3	18.9	80.8	0.0	
52M	07/28/2004	10:44	0.0	1.3	18.8	79.9	0.0	
52M	08/05/2004	10:18	0.0	0.3	19.6	80.1	0.0	
52M	08/10/2004	14:10	0.0	0.2	19.5	80.3	0.0	
52M	08/17/2004	00:00	0.0	0.1	20.3	79.6	0.0	
52M	08/31/2004	10:09	0.0	0.2	20.4	79.4	0.0	
52M	09/07/2004	13:26	0.0	0.7	18.9	80.4	0.0	
52M	09/14/2004	11:51	0.0	0.3	19.6	80.1	0.1	
52M	09/21/2004	10:27	0.0	0.0	20.5	79.5	0.0	
52M	09/28/2004	10:18	0.0	0.0	20.5	79.5	0.1	
53M	07/07/2004	10:46	0.0	0.6	19.6	79.8	0.0	
53M	07/14/2004	10:24	0.0	0.1	19.3	80.6	0.0	
53M	07/21/2004	10:11	0.0	0.2	19.1	80.7	0.0	
53M	07/28/2004	10:46	0.0	0.1	20.1	79.8	0.0	
53M	08/05/2004	10:20	0.0	0.1	19.8	80.1	0.0	
53M	08/10/2004	14:12	0.0	0.3	19.3	80.4	0.0	
53M	08/17/2004	00:00	0.0	0.2	20.3	79.5	0.0	
53M	08/31/2004	10:11	0.0	0.3	20.3	79.4	0.0	
53M	09/07/2004	13:28	0.0	0.2	19.5	80.3	0.0	
53M	09/14/2004	11:53	0.0	0.3	19.9	79.8	0.0	
53M	09/21/2004	10:29	0.0	0.2	20.1	79.7	0.0	
53M	09/28/2004	10:21	0.0	0.2	20.4	79.4	0.0	
54M	07/07/2004	10:48	0.0	0.0	20.1	79.9	0.0	
54M	07/14/2004	10:25	0.0	0.0	19.6	80.4	0.0	
54M	07/21/2004	10:12	0.0	0.0	19.6	80.4	0.0	
54M	07/28/2004	10:48	0.0	0.0	20.1	79.9	0.0	
54M	08/05/2004	10:21	0.0	0.0	20.0	80.0	0.0	
54M	08/10/2004	14:14	0.0	1.3	18.5	80.2	0.0	
54M	08/17/2004	00:00	0.0	0.0	20.5	79.5	0.0	
54M	08/31/2004	10:13	0.0	0.1	20.6	79.3	0.0	
54M	09/07/2004	13:30	0.0	1.4	18.4	80.2	0.0	
54M	09/14/2004	11:55	0.0	1.5	18.8	79.7	0.0	
54M	09/21/2004	10:31	0.0	0.0	20.5	79.5	0.0	
54M	09/28/2004	10:22	0.0	0.0	20.6	79.4	0.0	
55M	07/07/2004	10:50	0.0	0.1	20.1	79.8	0.0	
55M	07/14/2004	10:27	0.0	0.0	19.6	80.4	0.0	
55M	07/21/2004	10:15	0.0	0.0	19.6	80.4	0.0	
55M	07/28/2004	10:49	0.0	0.0	20.0	80.0	0.0	
55M	08/05/2004	10:22	0.0	0.0	20.0	80.0	0.0	
55M	08/10/2004	14:15	0.0	1.0	18.7	80.3	0.0	
55M	08/17/2004	00:00	0.0	0.0	20.4	79.6	0.0	

Hewitt Pit Probe Data - 07/1/2004 through 9/30/2004

Name	Date	Time	Methane (% by vol)	Carbon Dioxide (% by vol)	Oxygen (% by vol)	Balance Gas (% by vol)	Static Press (Inch H2O)	Comments
55M	08/31/2004	10:15	0.0	0.0	20.6	79.4	0.0	
55M	09/07/2004	13:31	0.0	0.0	19.8	80.2	0.0	
55M	09/14/2004	11:57	0.0	0.0	20.1	79.9	0.0	
55M	09/21/2004	10:33	0.0	0.0	20.4	79.6	0.0	
55M	09/28/2004	10:24	0.0	0.0	20.6	79.4	0.0	
56M	07/07/2004	10:51	0.0	0.0	20.2	79.8	0.0	
56M	07/14/2004	10:29	0.0	0.2	19.3	80.5	0.0	
56M	07/21/2004	10:16	0.0	0.0	19.5	80.5	0.0	
56M	07/28/2004	10:50	0.0	0.1	20.0	79.9	0.0	
56M	08/05/2004	10:23	0.0	0.1	19.9	80.0	0.0	
56M	08/10/2004	14:17	0.0	0.2	19.7	80.1	0.0	
56M	08/17/2004	00:00	0.0	0.3	20.2	79.5	0.1	
56M	08/31/2004	10:16	0.0	0.5	20.1	79.4	0.0	
56M	09/07/2004	13:33	0.0	0.4	19.3	80.3	0.0	
56M	09/14/2004	11:59	0.0	0.3	19.8	79.9	0.0	
56M	09/21/2004	10:34	0.0	0.1	20.2	79.7	0.0	
56M	09/28/2004	10:25	0.0	0.0	20.6	79.4	0.0	
57M	07/07/2004	10:52	0.0	0.0	20.2	79.8	0.0	
57M	07/14/2004	10:31	0.0	0.0	19.6	80.4	0.0	
57M	07/21/2004	10:18	0.0	0.2	19.3	80.5	0.0	
57M	07/28/2004	10:51	0.0	0.2	19.9	79.9	0.0	
57M	08/05/2004	10:25	0.0	0.2	19.8	80.0	0.0	
57M	08/10/2004	14:18	0.0	0.4	19.3	80.3	0.0	
57M	08/17/2004	00:00	0.0	0.0	20.4	79.6	0.0	
57M	08/31/2004	10:18	0.0	0.3	20.1	79.6	0.0	
57M	09/07/2004	13:34	0.0	0.4	19.3	80.3	0.0	
57M	09/14/2004	12:00	0.0	0.2	19.9	79.9	0.0	
57M	09/21/2004	10:36	0.0	0.1	20.2	79.7	0.0	
57M	09/28/2004	10:27	0.0	0.0	20.6	79.4	0.0	
58M	07/07/2004	10:53	0.0	0.0	20.3	79.7	0.0	
58M	07/14/2004	10:32	0.0	0.0	19.6	80.4	0.0	
58M	07/21/2004	10:19	0.0	0.0	19.6	80.4	0.0	
58M	07/28/2004	10:52	0.0	0.0	20.0	80.0	0.0	
58M	08/05/2004	10:26	0.0	0.0	20.0	80.0	0.0	
58M	08/10/2004	14:20	0.0	0.2	19.7	80.1	0.0	
58M	08/17/2004	00:00	0.0	0.0	20.4	79.6	0.0	
58M	08/31/2004	10:19	0.0	0.0	20.5	79.5	0.0	
58M	09/07/2004	13:36	0.0	0.8	18.8	80.4	0.0	
58M	09/14/2004	12:02	0.0	0.0	19.9	80.1	0.0	
58M	09/21/2004	10:38	0.0	0.0	20.3	79.7	0.0	
58M	09/28/2004	10:29	0.0	0.0	20.6	79.4	0.0	
59M	07/07/2004	10:55	0.0	0.2	20.1	79.7	0.0	

Hewitt Pit Probe Data - 07/1/2004 through 9/30/2004

Name	Date	Time	Methane (% by vol)	Carbon Dioxide (% by vol)	Oxygen (% by vol)	Balance Gas (% by vol)	Static Press (Inch H2O)	Comments
59M	07/14/2004	10:34	0.0	0.0	19.6	80.4	0.0	
59M	07/21/2004	10:21	0.0	0.0	19.5	80.5	0.0	
59M	07/28/2004	10:54	0.0	0.1	20.0	79.9	0.0	
59M	08/05/2004	10:27	0.0	0.1	20.0	79.9	0.0	
59M	08/10/2004	14:21	0.0	0.0	20.0	80.0	0.0	
59M	08/17/2004	00:00	0.0	0.0	20.5	79.5	0.0	
59M	08/31/2004	10:21	0.0	0.2	20.4	79.4	0.0	
59M	09/07/2004	13:37	0.0	0.4	19.3	80.3	0.0	
59M	09/14/2004	12:04	0.0	0.0	19.9	80.1	0.0	
59M	09/21/2004	10:40	0.0	0.0	20.4	79.6	0.0	
59M	09/28/2004	10:30	0.0	0.0	20.6	79.4	0.0	
60M	07/07/2004	10:56	0.0	0.8	19.6	79.6	0.0	
60M	07/14/2004	10:35	0.0	0.4	19.1	80.5	0.0	
60M	07/21/2004	10:22	0.0	0.4	19.1	80.5	0.0	
60M	07/28/2004	10:55	0.0	0.4	19.7	79.9	0.0	
60M	08/05/2004	10:28	0.0	0.7	19.3	80.0	0.0	
60M	08/10/2004	14:22	0.0	0.7	19.2	80.1	0.0	
60M	08/17/2004	00:00	0.0	0.5	19.9	79.6	0.0	
60M	08/31/2004	10:22	0.0	0.4	20.0	79.6	0.0	
60M	09/07/2004	13:38	0.0	0.6	19.2	80.2	0.0	
60M	09/14/2004	12:05	0.0	0.7	19.4	79.9	0.0	
60M	09/21/2004	10:41	0.0	0.0	20.2	79.8	0.0	
60M	09/28/2004	10:32	0.0	0.0	20.6	79.4	0.0	
61M	07/07/2004	10:58	0.0	0.2	20.1	79.7	0.0	
61M	07/14/2004	10:37	0.0	0.0	19.3	80.7	0.0	
61M	07/21/2004	10:24	0.0	0.2	19.1	80.7	0.0	
61M	07/28/2004	10:57	0.0	0.3	19.7	80.0	0.0	
61M	08/05/2004	10:29	0.0	0.0	19.9	80.1	0.0	
61M	08/10/2004	14:24	0.0	0.2	19.6	80.2	0.0	
61M	08/17/2004	00:00	0.0	0.2	20.0	79.8	0.0	
61M	08/31/2004	10:25	0.0	0.2	20.0	79.8	0.1	
61M	09/07/2004	13:40	0.0	0.2	19.5	80.3	0.0	
61M	09/14/2004	12:07	0.0	0.1	19.8	80.1	0.0	
61M	09/21/2004	10:43	0.0	0.1	20.1	79.8	0.0	
61M	09/28/2004	10:34	0.0	0.2	20.4	79.4	0.0	
62M	07/07/2004	10:59	0.0	0.6	19.7	79.7	0.0	
62M	07/14/2004	10:38	0.0	1.3	18.4	80.3	0.1	
62M	07/21/2004	10:25	0.0	1.4	18.3	80.3	0.0	
62M	07/28/2004	10:58	0.0	1.6	18.4	80.0	0.0	
62M	08/05/2004	10:30	0.0	0.0	20.0	80.0	0.0	
62M	08/10/2004	14:25	0.0	1.5	18.3	80.2	0.0	
62M	08/17/2004	00:00	0.0	1.8	18.3	79.9	0.0	

Hewitt Pit Probe Data - 07/1/2004 through 9/30/2004

Name	Date	Time	Methane (% by vol)	Carbon Dioxide (% by vol)	Oxygen (% by vol)	Balance Gas (% by vol)	Static Press (Inch H2O)	Comments
62M	08/31/2004	10:26	0.0	1.8	18.4	79.8	0.0	
62M	09/07/2004	13:41	0.0	1.5	18.0	80.5	0.0	
62M	09/14/2004	12:08	0.0	1.7	18.1	80.2	0.0	
62M	09/21/2004	10:44	0.0	1.8	18.3	79.9	0.1	
62M	09/28/2004	10:35	0.0	1.8	18.8	79.4	0.0	
63M	07/07/2004	11:00	0.0	0.0	20.3	79.7	0.0	
63M	07/14/2004	10:40	0.0	0.0	19.3	80.7	0.0	
63M	07/21/2004	10:27	0.0	0.2	18.9	80.9	0.0	
63M	07/28/2004	10:59	0.0	0.2	19.9	79.9	0.0	
63M	08/05/2004	10:31	0.0	0.1	19.9	80.0	0.0	
63M	08/10/2004	14:28	0.0	0.2	19.5	80.3	0.0	
63M	08/17/2004	00:00	0.0	0.2	20.0	79.8	0.0	
63M	08/31/2004	10:28	0.0	0.2	19.9	79.9	0.0	
63M	09/07/2004	13:43	0.0	0.1	19.5	80.4	0.0	
63M	09/14/2004	12:10	0.0	0.4	19.3	80.3	0.0	
63M	09/21/2004	10:46	0.0	0.0	20.1	79.9	0.0	
63M	09/28/2004	10:37	0.0	0.1	20.3	79.6	0.0	
64M	07/07/2004	11:01	0.0	0.8	19.5	79.7	0.0	
64M	07/14/2004	10:42	0.0	0.6	18.9	80.5	0.0	
64M	07/21/2004	10:29	0.0	0.5	18.9	80.6	0.0	
64M	07/28/2004	11:00	0.0	0.0	20.1	79.9	0.0	
64M	08/05/2004	10:32	0.0	0.2	19.7	80.1	0.0	
64M	08/10/2004	14:29	0.0	0.4	19.5	80.1	0.0	
64M	08/17/2004	00:00	0.0	0.5	19.8	79.7	0.0	
64M	08/31/2004	10:30	0.0	0.6	19.8	79.6	0.0	
64M	09/07/2004	13:45	0.0	0.2	19.5	80.3	0.0	
64M	09/14/2004	12:11	0.0	0.3	19.6	80.1	0.0	
64M	09/21/2004	10:47	0.0	0.4	19.8	79.8	0.0	
64M	09/28/2004	10:39	0.0	0.4	20.3	79.3	0.0	
65M	07/07/2004	11:03	0.0	0.1	20.1	79.8	0.0	
65M	07/14/2004	10:43	0.0	0.0	19.2	80.8	0.0	
65M	07/21/2004	10:31	0.0	0.0	19.1	80.9	0.0	
65M	07/28/2004	11:01	0.0	0.1	20.0	79.9	0.0	
65M	08/05/2004	10:33	0.0	0.0	20.0	80.0	0.0	
65M	08/10/2004	14:30	0.0	0.1	19.8	80.1	0.0	
65M	08/17/2004	00:00	0.0	0.1	20.2	79.7	0.1	
65M	08/31/2004	10:32	0.0	0.1	20.0	79.9	0.0	
65M	09/07/2004	13:47	0.0	0.0	19.7	80.3	0.0	
65M	09/14/2004	12:13	0.0	0.0	19.9	80.1	0.0	
65M	09/21/2004	10:50	0.0	0.0	20.0	80.0	0.0	
65M	09/28/2004	10:41	0.0	0.0	20.5	79.5	0.0	
66M	07/07/2004	11:04	0.0	0.1	20.1	79.8	0.0	

Hewitt Pit Probe Data - 07/1/2004 through 9/30/2004

Name	Date	Time	Methane (% by vol)	Carbon Dioxide (% by vol)	Oxygen (% by vol)	Balance Gas (% by vol)	Static Press (Inch H2O)	Comments
66M	07/14/2004	10:45	0.0	0.0	19.2	80.8	0.0	
66M	07/21/2004	10:32	0.0	0.0	19.1	80.9	0.0	
66M	07/28/2004	11:03	0.0	0.0	20.0	80.0	0.0	
66M	08/05/2004	10:35	0.0	0.0	20.0	80.0	0.0	
66M	08/10/2004	14:32	0.0	0.1	19.8	80.1	0.0	
66M	08/17/2004	00:00	0.0	0.1	20.1	79.8	0.0	
66M	08/31/2004	10:33	0.0	0.2	20.0	79.8	0.0	
66M	09/07/2004	13:48	0.0	0.0	19.7	80.3	0.0	
66M	09/14/2004	12:14	0.0	0.0	19.8	80.2	0.0	
66M	09/21/2004	10:51	0.0	0.0	20.1	79.9	0.0	
66M	09/28/2004	10:42	0.0	0.0	20.5	79.5	0.0	
67M	07/07/2004	11:07	0.0	0.1	20.2	79.7	0.0	
67M	07/14/2004	10:47	0.0	0.0	19.2	80.8	0.0	
67M	07/21/2004	10:35	0.0	0.0	19.2	80.8	0.0	
67M	07/28/2004	11:05	0.0	0.1	20.0	79.9	0.0	
67M	08/05/2004	10:37	0.0	0.1	19.9	80.0	0.0	
67M	08/10/2004	14:35	0.0	0.0	20.0	80.0	0.0	
67M	08/17/2004	00:00	0.0	0.1	20.2	79.7	0.0	
67M	08/31/2004	10:36	0.0	0.0	20.2	79.8	0.0	
67M	09/07/2004	13:50	0.0	0.0	19.7	80.3	0.0	
67M	09/14/2004	12:16	0.0	0.0	19.9	80.1	0.0	
67M	09/21/2004	10:53	0.0	0.0	20.4	79.6	0.0	
67M	09/28/2004	10:44	0.0	0.0	20.5	79.5	0.0	
68M	07/07/2004	11:07	0.0	0.0	20.0	80.0	0.0	
68M	07/14/2004	10:48	0.0	0.0	19.3	80.7	0.0	
68M	07/21/2004	10:36	0.0	0.0	19.1	80.9	0.0	
68M	07/28/2004	11:06	0.0	0.0	20.0	80.0	0.0	
68M	08/05/2004	10:38	0.0	0.0	19.9	80.1	0.0	
68M	08/10/2004	14:36	0.0	0.3	20.0	79.7	0.0	
68M	08/17/2004	00:00	0.0	0.2	20.2	79.6	0.0	
68M	08/31/2004	10:37	0.0	0.0	20.3	79.7	0.0	
68M	09/07/2004	13:51	0.0	0.6	19.2	80.2	0.0	
68M	09/14/2004	12:17	0.0	0.8	19.1	80.1	0.0	
68M	09/21/2004	10:55	0.0	0.0	20.4	79.6	0.0	
68M	09/28/2004	10:45	0.0	0.0	20.5	79.5	0.0	
69M	07/07/2004	09:05	0.0	0.1	20.1	79.8	0.0	
69M	07/14/2004	08:50	0.0	0.0	19.4	80.6	0.0	
69M	07/21/2004	08:31	0.0	0.1	19.1	80.8	0.1	
69M	07/28/2004	09:01	0.0	0.1	20.0	79.9	0.0	
69M	08/05/2004	08:35	0.0	0.1	19.9	80.0	0.0	
69M	08/10/2004	12:40	0.0	0.2	19.7	80.1	0.0	
69M	08/17/2004	00:00	0.0	0.2	19.9	79.9	0.0	

Hewitt Pit Probe Data - 07/1/2004 through 9/30/2004

Name	Date	Time	Methane (% by vol)	Carbon Dioxide (% by vol)	Oxygen (% by vol)	Balance Gas (% by vol)	Static Press (Inch H2O)	Comments
69M	08/31/2004	08:19	0.0	0.2	20.8	79.0	0.0	
69M	09/07/2004	11:53	0.0	0.2	18.9	80.9	0.0	
69M	09/14/2004	10:19	0.0	0.1	20.4	79.5	0.0	
69M	09/21/2004	11:03	0.0	0.0	20.4	79.6	0.0	
69M	09/28/2004	08:40	0.0	0.0	20.7	79.3	0.0	
70M	07/07/2004	09:07	0.0	0.3	19.8	79.9	0.0	
70M	07/14/2004	08:52	0.0	0.1	19.3	80.6	0.0	
70M	07/21/2004	08:33	0.0	0.2	18.9	80.9	0.0	
70M	07/28/2004	09:03	0.0	0.3	19.6	80.1	0.0	
70M	08/05/2004	08:37	0.0	0.4	19.4	80.2	0.0	
70M	08/10/2004	12:41	0.0	0.2	19.7	80.1	0.0	
70M	08/17/2004	00:00	0.0	0.3	20.4	79.3	0.0	
70M	08/31/2004	08:21	0.0	0.1	20.8	79.1	0.0	
70M	09/07/2004	11:54	0.0	0.2	19.4	80.4	0.0	
70M	09/14/2004	10:21	0.0	0.2	20.2	79.6	0.0	
70M	09/21/2004	08:45	0.0	0.0	20.4	79.6	0.0	
70M	09/28/2004	08:42	0.0	0.1	20.6	79.3	0.0	
71M	07/07/2004	09:10	0.0	0.0	20.1	79.9	0.0	
71M	07/14/2004	08:56	0.0	0.0	19.5	80.5	0.0	
71M	07/21/2004	08:35	0.0	0.0	19.1	80.9	0.0	
71M	07/28/2004	09:05	0.0	0.1	20.0	79.9	0.0	
71M	08/05/2004	08:40	0.0	0.0	19.7	80.3	0.0	
71M	08/10/2004	12:44	0.0	0.0	20.0	80.0	0.0	
71M	08/17/2004	00:00	0.0	0.1	20.7	79.2	0.0	
71M	08/31/2004	08:24	0.0	0.0	20.8	79.2	0.0	
71M	09/07/2004	11:57	0.0	0.0	19.8	80.2	0.0	
71M	09/14/2004	10:23	0.0	0.0	20.5	79.5	0.0	
71M	09/21/2004	08:49	0.0	0.0	20.4	79.6	0.0	
71M	09/28/2004	08:44	0.0	0.0	20.7	79.3	0.0	
72M	07/07/2004	09:12	0.0	0.1	20.0	79.9	0.0	
72M	07/14/2004	08:58	0.0	0.1	19.3	80.6	0.0	
72M	07/21/2004	08:37	0.0	0.0	19.3	80.7	0.0	
72M	07/28/2004	09:07	0.0	0.1	20.0	79.9	0.0	
72M	08/05/2004	08:42	0.0	0.2	19.5	80.3	0.0	
72M	08/10/2004	12:45	0.0	0.2	19.9	79.9	0.0	
72M	08/17/2004	00:00	0.0	0.2	20.5	79.3	0.0	
72M	08/31/2004	08:26	0.0	0.2	20.7	79.1	0.0	
72M	09/07/2004	11:59	0.0	0.1	19.6	80.3	0.0	
72M	09/14/2004	10:25	0.0	0.1	20.3	79.6	0.0	
72M	09/21/2004	08:51	0.0	0.0	20.3	79.7	0.0	
72M	09/28/2004	08:47	0.0	0.0	20.7	79.3	0.0	
73M	07/07/2004	09:13	0.0	0.1	20.1	79.8	0.0	

Hewitt Pit Probe Data - 07/1/2004 through 9/30/2004

Name	Date	Time	Methane (% by vol)	Carbon Dioxide (% by vol)	Oxygen (% by vol)	Balance Gas (% by vol)	Static Press (Inch H2O)	Comments
73M	07/14/2004	08:59	0.0	0.0	19.6	80.4	0.0	
73M	07/21/2004	08:39	0.0	0.0	19.3	80.7	0.0	
73M	07/28/2004	09:09	0.0	0.1	20.0	79.9	0.0	
73M	08/05/2004	08:44	0.0	0.0	19.8	80.2	0.0	
73M	08/10/2004	12:47	0.0	0.0	20.0	80.0	0.0	
73M	08/17/2004	00:00	0.0	0.1	20.7	79.2	0.0	
73M	08/31/2004	08:29	0.0	0.0	20.8	79.2	0.0	
73M	09/07/2004	12:01	0.0	0.0	19.8	80.2	0.0	
73M	09/14/2004	10:26	0.0	0.0	20.6	79.4	0.0	
73M	09/21/2004	08:53	0.0	0.0	20.4	79.6	0.0	
73M	09/28/2004	08:48	0.0	0.0	20.8	79.2	0.0	
74M	07/07/2004	09:16	0.0	0.1	20.1	79.8	0.0	
74M	07/14/2004	09:01	0.0	0.1	19.4	80.5	0.0	
74M	07/21/2004	08:42	0.0	0.1	19.2	80.7	0.0	
74M	07/28/2004	09:12	0.0	0.1	20.0	79.9	0.0	
74M	08/05/2004	08:46	0.0	0.1	19.8	80.1	0.0	
74M	08/10/2004	12:49	0.0	0.1	19.9	80.0	0.0	
74M	08/17/2004	00:00	0.0	0.1	20.7	79.2	0.0	
74M	08/31/2004	08:31	0.0	0.1	20.8	79.1	0.0	
74M	09/07/2004	12:03	0.0	0.0	19.7	80.3	0.0	
74M	09/14/2004	10:29	0.0	0.0	20.5	79.5	0.0	
74M	09/21/2004	08:55	0.0	0.0	20.4	79.6	0.0	
74M	09/28/2004	08:50	0.0	0.0	20.8	79.2	0.0	
75M	07/07/2004	09:20	0.0	0.1	20.0	79.9	0.0	
75M	07/14/2004	09:04	0.0	0.1	19.3	80.6	0.0	
75M	07/21/2004	08:44	0.0	0.0	19.1	80.9	0.0	
75M	07/28/2004	09:14	0.0	0.1	19.8	80.1	0.0	
75M	08/05/2004	08:48	0.0	0.1	19.7	80.2	0.0	
75M	08/10/2004	12:51	0.0	0.1	19.7	80.2	0.0	
75M	08/17/2004	00:00	0.0	0.1	20.7	79.2	0.0	
75M	08/31/2004	08:34	0.0	0.1	20.7	79.2	0.0	
75M	09/07/2004	12:05	0.0	0.0	19.7	80.3	0.0	
75M	09/14/2004	10:31	0.0	0.2	20.3	79.5	0.0	
75M	09/21/2004	08:57	0.0	0.0	20.4	79.6	0.0	
75M	09/28/2004	08:53	0.0	0.0	20.7	79.3	0.0	
76M	07/07/2004	09:21	0.0	0.1	20.0	79.9	0.0	
76M	07/14/2004	09:06	0.0	0.0	19.4	80.6	0.0	
76M	07/21/2004	08:46	0.0	0.0	19.2	80.8	0.0	
76M	07/28/2004	09:16	0.0	0.1	20.0	79.9	0.0	
76M	08/05/2004	08:50	0.0	0.0	19.8	80.2	0.0	
76M	08/10/2004	12:53	0.0	0.0	20.1	79.9	0.0	
76M	08/17/2004	00:00	0.0	0.1	20.7	79.2	0.0	

Hewitt Pit Probe Data - 07/1/2004 through 9/30/2004

Name	Date	Time	Methane (% by vol)	Carbon Dioxide (% by vol)	Oxygen (% by vol)	Balance Gas (% by vol)	Static Press (Inch H2O)	Comments
76M	08/31/2004	08:36	0.0	0.1	20.7	79.2	0.0	
76M	09/07/2004	12:07	0.0	0.0	19.9	80.1	0.0	
76M	09/14/2004	10:33	0.0	0.0	20.5	79.5	0.0	
76M	09/21/2004	08:59	0.0	0.0	20.4	79.6	0.0	
76M	09/28/2004	08:55	0.0	0.0	20.8	79.2	0.0	
77M	07/07/2004	09:23	0.0	0.1	20.0	79.9	0.0	
77M	07/14/2004	09:08	0.0	0.0	19.5	80.5	0.0	
77M	07/21/2004	08:48	0.0	0.0	19.3	80.7	0.0	
77M	07/28/2004	09:18	0.0	0.1	20.0	79.9	0.0	
77M	08/05/2004	08:52	0.0	0.0	19.8	80.2	0.0	
77M	08/10/2004	12:55	0.0	0.0	20.0	80.0	0.0	
77M	08/17/2004	00:00	0.0	0.0	20.7	79.3	0.0	
77M	08/31/2004	08:38	0.0	0.1	20.8	79.1	0.0	
77M	09/07/2004	12:09	0.0	0.0	19.9	80.1	0.0	
77M	09/14/2004	10:34	0.0	0.0	20.5	79.5	0.0	
77M	09/21/2004	08:59	0.0	0.0	20.5	79.5	0.0	
77M	09/28/2004	08:57	0.0	0.0	20.8	79.2	0.0	
78M	07/07/2004	09:26	0.0	10.1	10.7	79.2	0.0	
78M	07/14/2004	09:09	0.0	0.5	19.0	80.5	0.0	
78M	07/21/2004	08:49	0.0	0.6	18.3	81.1	0.0	
78M	07/28/2004	09:21	0.0	7.0	13.4	79.6	0.0	
78M	08/05/2004	08:54	0.0	7.9	12.5	79.6	0.0	
78M	08/10/2004	12:57	0.0	1.1	18.5	80.4	0.0	
78M	08/17/2004	00:00	0.0	0.9	19.9	79.2	0.0	
78M	08/31/2004	08:41	0.0	2.6	18.1	79.3	0.1	
78M	09/07/2004	12:11	0.0	3.9	15.2	80.9	0.0	
78M	09/14/2004	10:37	0.0	0.5	19.6	79.9	0.0	
78M	09/21/2004	09:01	0.0	0.8	19.7	79.5	0.0	
78M	09/28/2004	08:59	0.0	0.4	20.4	79.2	0.0	
79M	07/07/2004	09:28	0.0	4.7	14.9	80.4	0.0	
79M	07/14/2004	09:11	0.0	0.5	18.8	80.7	0.0	
79M	07/21/2004	08:51	0.0	5.6	13.6	80.8	0.0	
79M	07/28/2004	09:24	0.0	3.2	16.5	80.3	0.0	
79M	08/05/2004	08:57	0.0	6.8	13.3	79.9	0.0	
79M	08/10/2004	12:59	0.0	4.5	14.7	80.8	0.0	
79M	08/17/2004	00:00	0.0	3.4	16.8	79.8	0.0	
79M	08/31/2004	08:43	0.0	5.3	15.0	79.7	0.0	
79M	09/07/2004	12:13	0.0	4.2	14.7	81.1	0.0	
79M	09/14/2004	10:39	0.0	1.5	18.4	80.1	0.0	
79M	09/21/2004	09:03	0.0	3.4	16.7	79.9	0.0	
79M	09/28/2004	09:00	0.0	4.2	16.5	79.3	0.0	
80M	07/07/2004	09:31	0.0	1.3	18.5	80.2	0.0	

Hewitt Pit Probe Data - 07/1/2004 through 9/30/2004

Name	Date	Time	Methane (% by vol)	Carbon Dioxide (% by vol)	Oxygen (% by vol)	Balance Gas (% by vol)	Static Press (Inch H2O)	Comments
80M	07/14/2004	09:14	0.0	0.9	18.5	80.6	0.0	
80M	07/21/2004	08:55	0.0	0.3	18.8	80.9	0.0	
80M	07/28/2004	09:27	0.0	0.2	19.9	79.9	0.0	
80M	08/05/2004	09:00	0.0	0.1	19.6	80.3	0.0	
80M	08/10/2004	13:02	0.0	1.3	18.5	80.2	0.0	
80M	08/17/2004	00:00	0.0	0.1	20.3	79.6	0.0	
80M	08/31/2004	08:46	0.0	0.3	20.0	79.7	0.1	
80M	09/07/2004	12:16	0.0	1.0	18.5	80.5	0.0	
80M	09/14/2004	10:42	0.0	0.6	19.6	79.8	0.0	
80M	09/21/2004	09:07	0.0	1.7	18.5	79.8	0.0	
80M	09/28/2004	09:04	0.0	0.0	20.4	79.6	0.0	
81M	07/07/2004	09:33	0.0	0.1	19.9	80.0	0.0	
81M	07/14/2004	09:16	0.0	0.0	19.6	80.4	0.0	
81M	07/21/2004	08:57	0.0	0.3	19.1	80.6	0.0	
81M	07/28/2004	09:28	0.0	0.2	19.9	79.9	0.0	
81M	08/05/2004	09:02	0.0	0.3	19.7	80.0	0.0	
81M	08/10/2004	13:04	0.0	0.3	19.8	79.9	0.0	
81M	08/17/2004	00:00	0.0	0.2	20.6	79.2	0.0	
81M	08/31/2004	08:48	0.0	0.3	20.4	79.3	0.0	
81M	09/07/2004	12:18	0.0	0.9	18.4	80.7	0.0	
81M	09/14/2004	10:44	0.0	0.4	20.1	79.5	0.0	
81M	09/21/2004	09:09	0.0	0.2	19.9	79.9	0.0	
81M	09/28/2004	09:05	0.0	0.3	20.5	79.2	0.0	
FLARE	07/07/2004	08:00	18.3	22.5	3.7	55.5	14.5	
FLARE	07/14/2004	08:08	19.7	23.6	4.2	52.5	13.6	
FLARE	07/28/2004	07:51	17.0	22.0	4.1	56.9	14.4	
FLARE	08/05/2004	07:31	16.8	21.9	4.4	56.9	14.4	
FLARE	08/10/2004	12:32	17.9	21.9	3.6	56.6	13.4	
FLARE	08/17/2004	00:00	16.9	22.5	4.1	56.5	14.0	
FLARE	08/31/2004	07:33	17.0	21.8	4.5	56.7	13.4	
FLARE	09/07/2004	11:23	18.1	22.3	4.0	55.6	13.1	
FLARE	09/14/2004	08:03	18.3	23.6	4.4	53.7	12.3	
FLARE	09/21/2004	07:37	16.2	21.1	5.3	57.4	12.8	
FLARE	09/21/2004	14:04	17.4	22.3	4.2	56.1	12.6	
FLARE	09/28/2004	07:29	18.1	21.8	5.3	54.8	13.4	

Attachment 2

PROBE IDENTIFICATION TABLE

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HEWITT PIT LANDFILL

Probe I.D. Cross Reference List

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

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: GC Environmental / Hewitt	Project Location: Hewitt Pit Landfill, 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	TPH/MO	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

1974-3-84

Attachment 4

ANNUAL SOURCE TEST REPORT

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HORIZON

AIR MEASUREMENT SERVICES, INC.

Horizon Test #: G21-007-FR
Date Tested: August 17, 2004
Report Date: September 9, 2004
Revision Number: 0

SCAQMD RULE 1150.1 EMISSIONS COMPLIANCE TEST ON A LANDFILL GAS FLARE

Facility ID No. 3530 Sector PB
Application No. 343861

Facility:

Hewitt Landfill
7245 Laurel Canyon Boulevard
North Hollywood, California 91605

Prepared for:

GC Environmental
1230 North Jefferson Street, Suite J
Anaheim, California 92807

Prepared by:

Horizon Air Measurement Services, Inc.
996 Lawrence Drive, Suite 108
Newbury Park, California 91320

Regulatory Agency:

South Coast Air Quality Management District
21865 East Copley Drive
Diamond Bar, California 91765

Travis L. Williams
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Project Manager

Richard J. Vacherot
Technical Director

HORIZON
AIR MEASUREMENT SERVICES, INC.

September 9, 2004

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.

Richard J. Vacherot
Technical Director

996 LAWRENCE DR., SUITE 106, NEWBURY PARK, CALIFORNIA 91320 • (805) 498-8781 • FAX (805) 498-3173

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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:	August 17, 2004
TEST PERFORMED BY:	Horizon Air Measurement Services, Inc.
TEST PERSONNEL:	Mr. Travis L. Williams and Mr. Clint Holzer
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 GC 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. Travis L. Williams and Mr. Clint Holzer of Horizon conducted the source test on August 17, 2004. 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 95.5%. Flare NMOC exhaust concentration was 2.3 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 with the following exception. Oxygen concentration was not measured at the flare exhaust as intended. Exhaust oxygen concentration is based upon a value calculated using the following equation (provided by SCAQMD):

$$\% \ CO_2 = (F_C/F_O)\ (100/20.9)\ (20.9 - \% \ O_2)$$

where,

F_C = F-factor, carbon based
F_O = F-factor, oxygen based

All subsequent calculations are based upon the calculated O_2 value.

Table 3-1
Destruction Efficiency
Results
Hewitt Landfill Flare
August 17, 2004

NMOC Destruction Efficiency

		INLET Flow rate	526	dscfm		OUTLET Flow rate	3884	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	764	14.61	1.02		4.63	0.089	0.045	95.53

NMOC Outlet Concentration

$$\frac{4.63 \text{ ppm TGNMO as CH4}}{6} \times \frac{20.9\% \text{ O2} - 3\% \text{ O2}}{20.9\% \text{ O2} - 15.0\% \text{ O2}} = \underline{\underline{2.34 \text{ ppm}}} \text{ NMOC as Hexane @ 3\%O2}$$

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 based upon a carbon balance.

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

Carbon dioxide at the exhaust location was 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: **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.

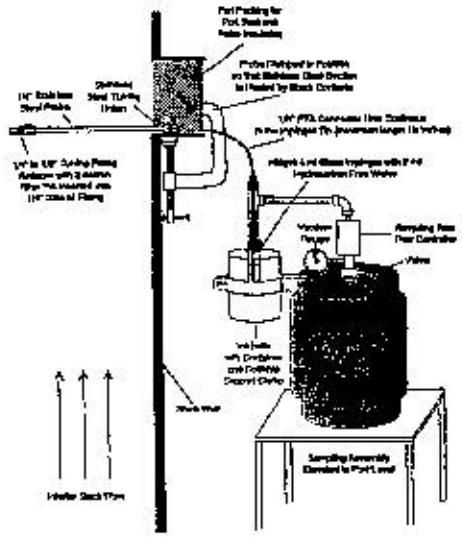
Method: **Determination of Total Gaseous Non-Methane Organic Emissions as Carbon**

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.

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).

APPENDIX B - Computer Printout of Results

SCAQMD Method 25.1 Analysis

Facility: Hewitt Landfill
Source: Flare
Job No.: G21-007
Date: 8/17/04

TOTAL COMBUSTION ANALYSIS RESULTS

Run Number	1A	1B	Average
Designation	Inlet	Inlet	
Methane in Tank	168000	172000	170000
TNMHC,Tank (Noncond.)	96	133	
TNMHC - Condensables	643.5	655.8	
TNMHC - Total	739.3	789.2	
CO Concentration (ppm)	3.8	3.5	3.6
CO2 Concentration (ppm)	213000	218000	215500
O2 Concentration (%)	4.13	4.89	4.51
Sample Parameters			
Tank Number	B	H	
Trap Number	Q	R	
Sample Tank Volume (l)	12.018	12.255	
Initial Pressure (Torr)	2.5	2.5	
Initial Temperature (deg. K)	292	292	
Final Pressure (mm Hg)	424	455	
Final Temperature (deg. K)	292	292	
Sample Volume (l)	6.69	7.32	
Analysis Pressure (mm Hg)	820	820	
Analysis Temperature (deg. K)	292	292	
ICV Volume (l)	2.266	2.266	
ICV Final Pressure (mm Hg)	800	800	
ICV Final Temperature (deg. K)	292	292	
CO2 in ICV (ppm)	1900	2120	
TNMHC,Trap (Condensables)	643.5	655.8	
Stack Total TNMHC	739	789	764

NOTE: All hydrocarbon values are in terms of ppm, v/v, as methane.

Facility: GC Environmental
Source: Hewitt Landfill Flare
Job No.: G21-007
Test Date: 8/17/04

Flow Rate Determination - Carbon Balance

EXHAUST FLOW CALCULATION - CARBON BALANCE

Parameter	Inlet (ppm)		Outlet (ppm)	
Methane	170000		1	
Carbon Dioxide	215500		52300	
Carbon Monoxide	4		1	
TGNMO	764		5	
Flow Rate	526	dscfm	3884	dscfm

F-FACTOR CALCULATION

Elemental	%		Btu/lb
Carbon	15.6	GCV	4061
Hydrogen	2.3		
Oxygen	28.2		
Nitrogen	53.9		
Sulfur	0.0		
Fd(oxygen)	6597		
Fc(carbon)	1233		

EXHAUST OXYGEN CALCULATION

	%
Oxygen	15.0

APPENDIX C - Field Data Sheets

TOTAL COMBUSTION ANALYSIS
SCAQMD METHOD 25
FIELD SAMPLING DATA SHEET

Job #: G-21-007
Facility: Hewitt L.F.
Location: N. Hollywood
Date: 8-17-04
Operator: TW, LH

Control Device: Flare
Sample Location: INLET
Ambient Temp.: 80°F
Baro. Pressure: 29.45

SAMPLE A

Tank #: B Trap #: R
Initial Vacuum: 30" / 2.5 torr
Final Vacuum: 10.5"
start → 855
stop → 955

TIME (min.)	VACUUM ("Hg)	FLOW (cc/min)
00	30	
05	28.5	
10	27	
15	25	
20	TW ~~25.5~~ 23.5	
25	22	
30	20.5	
35	19	
40	17	
45	15	
50	13	
55	11	
60	10.5	

SAMPLE B

Tank #: H Trap #: R
Initial Vacuum: 30" / 2.6 torr
Final Vacuum: 10"

TIME (min.)	VACUUM ("Hg)	FLOW (cc/min)
00	30	
05	28.5	
10	27	
15	25	
20	23.5	
25	22	
30	20.5	
35	19	
40	17	
45	15	
50	13	
55	11.5	
60	10	

• INLET FLOW → 524 cfm to 528 c
(per on site meter)

• INLET T°F wet / DRY → 111°F to 113°F
↳ 105°F to 107°F

LEAK RATE

Pre Test : ✓✓ ✓
Post Test: ✓✓ ✓

HORIZON AIR MEASUREMENT SERVICES, INC

TOTAL COMBUSTION ANALYSIS
SCAQMD METHOD 25
FIELD SAMPLING DATA SHEET

Job #: G21-007
Facility: Hewitt L.F.
Location: N. Hollywood
Date: 8-17-04
Operator: RH, TW

Control Device: Flare
Sample Location: OUTLET
Ambient Temp.: 80°F
Baro. Pressure: 29.45

SAMPLE A

Tank #: 320 Trap #: H 102
Initial Vacuum: 30" / 2.5 torr
Final Vacuum: 8.0" TW
START → 854
STOP → 954

TIME (min.)	VACUUM ("Hg)	FLOW (cc/min)
00	30	
05	TW ~~30½~~ 28.5	
10	27	
15	25	
20	23	
25	21	
30	19	
35	17	
40	15	
45	13	
50	11	
55	10	
60	8.0	

SAMPLE B

Tank #: 510 Trap #: H 105
Initial Vacuum: 29.5" / 2.5 torr
Final Vacuum: 9.0"

TIME (min.)	VACUUM ("Hg)	FLOW (cc/min)
00	29.5	
05	28	
10	26.5	
15	25	
20	23	
25	21	
30	19½	
35	18	
40	TW ~~16½~~ 16.5	
45	15	
50	TW ~~13½~~ 13.5	
55	11.5	
60	9.0	

• OUTLET Temp → 1540 to 1560 °F (per on site meter)

LEAK RATE

Pre Test : ✓✓ TW
Post Test: ✓✓ TW

HORIZON AIR MEASUREMENT SERVICES, INC

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: August 30, 2004
Client: Horizon Air Meqesurement
P.O. No.: Verbal
Client Project No.: G21-007
Source Location : GC Environmental / Hewitt Pit Landfill
Source ID: Outlet

Date Received: August 17, 2004
Date Analyzed: August 17, & 23, 2004

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	Canister Ethane	Canister TGNMO	Impinger Organic Carbon as Methane	Impinger Volume	Canister Carbon Dioxide	P_1	P2
		(concentration, ppmv)				(ml)	(%v)		
02304-6	Summa S20	<1	<1	4.12	---	—	4.82	518	820
	Impinger H102	—	—	—	0.81	2.70	—	--	--
02304-7	Summa S10	<1	<1	3.89	—	—	5.64	448	820
	Impinger H105	—	—	—	0.43	2.80	—	--	--

TGNMO is total gaseous non-methane organics (excluding ethane), measured and reported as ppm methane.
Ethane is reported as ppmv methane.
** Note - Impinger sample results are not field blank corrected. The field blank (impinger H88) contained 0.45 ug carbon as methane, corresponding to 0.17 ppm methane for a 3.94 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 Pit Landfill
Date Received: August 17, 2004
Date Analyzed: August 17, & 23, 2004

Components	Sample ID	Repeat Analysis Run #1	Repeat Analysis Run #2	Mean Conc.	% Diff. From Mean
		(Concentration in ppmv)			
Methane	Summa S20	<1	<1	—	—
	Summa S10	<1	<1	—	—
Ethane	Summa S20	<1	<1	—	—
	Summa S10	<1	<1	—	—
TGNMO	Summa S20	4.16	4.08	4.12	0.97
	Summa S10	3.92	3.86	3.89	0.77
Impinger TOC	Impinger H102	0.83	0.79	0.81	2.5
	Impinger H105	0.43	0.42	0.43	1.2
		(Concentration in %v)			
Carbon dioxide	Summa S20	4.72	4.92	4.82	2.1

A set of 2 SUMMA canister/impinger samples, laboratory number 02304-(6 & 7), was analyzed for methane and total gaseous non-methane organics (TGNMO) & TOC. 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 AimAA's quality assurance program. The average % Difference from Mean for 5 repeat measurements from the sample set of 2 SUMMA canister/impinger samples is 1.5%.

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

LABORATORY ANALYSIS REPORT

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

Report Date: August 30, 2004
Client: Horizon Air Measurement Services, Inc.
P.O. Number: Verbal
Project No.: G21-007
Source Location : GC Environmental / Hewitt Pit Landfill
Source ID: Inlet

Date Received: August 17, & 19, 2004
Date Analyzed: August 24, & 26, 2004

AtmAA Lab No.	Sample ID Tank	Sample ID Trap	Sample ID ICV	tank CO	tank CH_4	tank CO_2	tank Ethane	tank TGNMO	trap CO2 in ICV	tank Oxygen (%v)	P_1	P_2
				(Concentrations in ppmv)								
02304-4	B	Q	25	3.78	168000	213000	5.52	90.3	1900	4.13	424	820
02304-5	H	R	5	3.47	172000	218000	4.37	129	2120	4.89	455	820
trap burn system blank			L						20.7			

TGNMO is total gaseous non-methane (excluding ethane) organics 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 FOR MP
Michael L. Porter
Laboratory Director

QUALITY ASSURANCE SUMMARY

(Repeat Analyses)

Client Project No.: G21-007
Date Received: August 17, & 19, 2004
Date Analyzed: August 24, & 26, 2004

Components	Sample ID	Repeat Analysis Run #1	Repeat Analysis Run #2	Mean Conc.	% Diff. From Mean
		(Concentration in ppmv)			
CO	TK H	3.31	3.62	3.47	4.5
CH_4	TK H	173000	171000	172000	0.58
CO_2	TK H	220000	216000	218000	0.92
Ethane	TK H	4.35	4.38	4.37	0.36
TGNMO	TK H	126	132	129	2.3
CO_2 in ICV (In trap, transfer tanks)	ICV 25	1920	1890	1900	0.79
		(Concentration in %v)			
Oxygen	TK H	4.93	4.85	4.89	0.80

A set of 2 TCA samples, laboratory numbers 02304-(4-5), was analyzed for CO, CH_4, CO_2, 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 7 repeat measurements from the sample set of 2 TCA samples is 1.5%.

Gas standards (containing CO, CH_4, CO_2 and isobutane) used for TCA analyses, were prepared and certified by Praxair.

CHAIN OF CUSTODY RECORD

Client/Project Name	Project Location
GC Environmental	Hewitt L.F.
Project No.	Field Logbook No.
G21-007	
Sampler: (*Signature*)	Chain of Custody Tape No.

ANALYSES

Sample No./ Identification	Date	Time	Lab Sample Number	Type of Sample	Trap #	W 25.1 SLAGUND	W 25.3 SLAGUND				REMARKS
Tank B	8/16/04		023044		Q	X					INLET
Tank H	↓		-5		R	X					INLET
Summa #520			-6		H102		X				OUTLET
Summa #510	↓		-7		H165		X				OUTLET
Blank					H68						Blank

Relinquished by: (*Signature*)	Date	Time	Received by: (*Signature*)	Date	Time
	8/17/04	1050		8/17/04	1050
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 AIA

№ 7390

APPENDIX E - Process Data

Operating Conditions

TIME	Flow rate (cfm)	Plate Temp. (°F)
855	524	1540
955	528	1560