
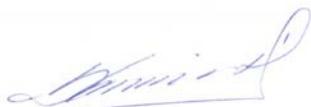


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CLEAN DEVELOPMENT MECHANISM
LOMA LOS COLORADOS LANDFILL GAS PROJECT
MONITORING REPORT N° 3 Version 1
PERIOD: 13/03/2008 - 31/08/2009
DATE: 15/09/2009

 <p>Prepared by: Jose Zuñiga I Landfill Enviromental supervisor</p>	 <p>Revised by: Sergio Garcia D. Loma Los Colorados Landfill Chief Engineer</p>	 <p>Approved by: Sergio Durandean S. KDM Landfill Manager</p>
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SECTION A. GENERAL PROJECT ACTIVITY INFORMATION

A.1 Title of the project activity

Loma Los Colorados Landfill Gas Project

A.2 CDM registration number:

Registration project N° UNFCCC 822 17/03/2007

A.3 Short description of the project activity

Loma Los Colorados Landfill Gas Project aims to develop and operate a landfill gas collection and flaring system (SCAB¹). Landfill gas flaring destroys the methane present on the gas, in order to reduce green house gas (GHG) emissions. Part of the collected landfill gas will be used, in the future, on energy generation for the landfill activities supply. Additional GHG emissions reductions could be claimed by fossil fuel replacement within the context of this CDM project.

Loma Los Colorados is a Municipal Solid Waste (MSW) landfill located in the community of Til-Til, 63,5 km north of Santiago, Chile, near the village of Montenegro. Site operations are handled by KDM. Because of the technology used and the operational procedures, the landfill operation is considered one of the most moderns in Chile.


Currently, 181 landfill gas wells are installed over a 48,5 hectares area; of which 181 are connected to the flare station, through an active gas extraction system. The flare of the Landfill is operating according to the manufacturer's specifications.

According to the registered CDM project, the predicted LFG recovery rate for the Landfill, within 2008 is about 7,600 m³/h (assuming 50% capture of LFG generated). The overall predicted recovery rate will continue to increase until the landfill closes, which is anticipated to occur in 2045, after which the rate will decrease as the organic fraction is degraded.

A.4 Monitoring period

From: 13-03-2008 To: 31-08-2009.

¹ SCAB: by the initials in Spanish: Sistema de Captación y Abatimiento de Biogás (Biogas capture and flaring system)

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The official start up and data registration was 17-03-2007. before this date, the plant was in commissioning. The official start up flare N°2 is the 12/03/2008

A.5 Methodology applied to the project activity

A.5.1 Baseline methodology

Approved consolidated baseline methodology ACM0001, version 4, 28 July 2006: "Consolidated baseline methodology for landfill gas project activities".

For emissions reduction associated with electricity generation using landfill gas ACM0001 also incorporates ACM0002 "Consolidated Baseline Methodology for Grid-Connected Power Generation from Renewable Sources." and, for power generation below 15 MW, small-scale CDM methodology AMS I.D. For our registered PDD, was used the ACM0002, version 6.


A.5.2 Monitoring methodology

Approved Consolidated monitoring methodology ACM0001: "Consolidated monitoring methodology for landfill gas project activities", version 4, 28 July 2006. Since the project involves possible energy use of landfill gas collected. The ACM0002 "Consolidated Methodology for Grid-Connected Power Generation from Renewable" has also being used.

A.6 Implementation status

To include: Complete schedule, commission date, major revisions and changes, etc.

Event	System size	Date
Facilities construction and equipment installation	-----	01-12-2006
Control system design and implementation	-----	01-12-2006
System Start-up	5.097 m3/h	26-02-2007
Flare Start-up n° 2	5.097 m3/h	12-03-2008
Construction (wells drilling, pipeline construction)	15 wells	29-12-2007
Construction (shallow wells and pipe lines)	56	28-02-2008
Operating wells	181	12-03-2008
Internal Audit	-----	19-03-2008
		11-08-2008

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External Audit (AENOR)	-----	09-01-2009
		20-04-2009
		26/28-02-2008
		2/4-06-2008
		25-11-2008
		30-07-2009

A.7 Intended deviations or revisions to the registered PDD:

There are no intended deviations or revisions to the registered PDD

A.10 Person(s) responsible for the submission of the monitoring report

The persons responsible for the submission of the monitoring report are:

- Prepared by: Jose Zuñiga I. - Landfill Environmental supervisor
- Revised by: Sergio Garcia D. - Loma Los Colorados Landfill Chief Engineer
- Approved by: Sergio Durandean S. - KDM Landfill Manager


SECTION B. KEY MONITORING ACTIVITIES

B.1 Monitoring equipment

B.1.1. Definitions

Calibration: the checking of a measuring instrument against an accurate standard by an independent accredited entity to determine any deviation and correct for errors.

Verification: The procedure to check whether or not a single known value is within the accuracy defined by the manufacturer of a measuring device.

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B.1.2. Equipment used

Equipment	Serial Number	Last calibration	Next calibration
Gas analyzer SIEMENS	U6-477	03-03-2008	03-03-2009
		09-03-2009	09-03-2010
Thermal Mass Flow Meter 1 (i)(iii)	268935	21-10-2008	21-04-2010
Thermal Mass Flow Meter 2 (i)(iii)	278712	16-05-2007	16-11-2008
Thermal Mass Flow Meter 3 (i)(iv)	285359	28-11-2007	28-05-2009
Thermal Mass Flow Meter 4 (i)(iv)	300542	23-01-2009	23-07-2010
Electricity meter 1	02B0629	06-10-2008 (ii) 01-06-2009	---
Electricity meter 2	02B0637	06-10-2008 (ii) 01-06-2009	---

(i) Thermal mass flow meter measurements don't use pressure and temperature data from others instruments to calculate the standard flow, according clarification ACM0001 version 2.

(ii) There has not been performed the calibration of the electric meters consumption power logic PM710 series number 02B 0629 and power logic PM710 series number 02B 0637, at the biogas plant in accordance with the established in section D.4, page 37 number 10 of the PDD, which mentions that the calibrations will be performed twice a year. According to the letter delivered by the manufacturer Schneider Electric with date of April 23, 2007, the meters installed and used since February 2007 to register the consumption of the plant, doesn't need any calibration, because they are digital and not possess any internal mechanical system to realize the functions of measure and control. However, KDM requested an external calibration which was performed on October 3th 2008, where was used an electrical analysis equipment (brand Electrochile model RT8C series number: RT2806), demonstrating that the electrical meters used at the plant are perfectly operative not affecting the measurements of electrical consumption in the period. This request is performed in order to give transparency to the measurement process of the electricity consumption.

(iii) The certificate of calibration of thermal mass flow meter series number: 278712 expired on November 16, 2008 and was replaced on November 11, 2008 for the thermal mass flow meter series number: 268935. The certificate of calibration of this device expires on April 21, 2010.

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(iv) The certificate of calibration of thermal mass flow meter series number: 285359 expired on May 28, 2009 and was replaced on May 15, 2009 for the thermal mass flow meter series number: 300542. The certificate of calibration of this device expires on July 23, 2010.

Table of Verification:

Equipment	Date
Thermal Mass Flow meter (i)	29-08-2008
Gas analyzer SIEMENS (ii)	03-03-2008
	02-04-2008
	11-06-2008
	10-09-2008
	07-10-2008
	09-03-2009

(i) The Thermal Mass Flow meter series number: 278712.

(ii) The Gas Analyzer SIEMENS series number U6-477.

B.1.3. Calibration procedures

Calibrations are performed by independent, external laboratories, or by the instruments manufactures, if applies.


Gas analyzers (GEM-) are periodically adjusted by trained KDM employees, with a certificated patron gas, if necessary.

Calibration procedures and schedules are described on the Integrated Management System document P-GEN-009, and manual equipment.

B.1.4 Involvement of third Parties:

SCAB has two third parties involved:

a) Specialized company on gas analysis AIRON, which is certified by national authorities. AIRON made the analysis of the concentrations of methane in exhaust gas

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b) Tunning is a software development company, in charge of the automatic control system development and implementation.

B.2. Data collection

B.2.1. Default fixed values

Density of methane:	0.000716 (i) t/m ³
Methane Global Warming Potential	21 (v) ton CO _{2e} /t CH ₄
Electricity Emission Factor	0.472 (iii) tCO _{2e} /MWh
Fuel Oil Consumption Emission Factor	74.1(ii) tCO _{2e} /TJ
Fuel Oil density	0.85 (iv) kg/l
Fuel Oil calorific power	43,000 (ii) kJ/kg
Gas Consumption Emission Factor	63.1 (ii) tCO _{2e} /TJ
GLP calorific power	47,300 (ii) kJ/kg
Base line	245 (iii) tCH ₄ /year

- (i) Loma los Colorados Landfill Gas PDD considers a density for Methane of 0.0007168 t/m³. AMC0001 states a lower density (0.000716 t/m³). In order to keep a conservative approach, calculations were made using the Methodology value.
- (ii) According to 2006 IPCC Guidelines for National Greenhouse Gas Inventories.
- (iii) Calculated value ex-post, year 2008.
- (iv) D.S.N°58 published on January 29, 2004 Plan for prevention and atmospheric decontamination for the Metropolitan Region (PPDA).
- (v) ACM0001, version 4, 28 July 2006: "Consolidated baseline methodology for landfill gas project activities".

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B.2.2. Variables and units


Landfill Gas Flow	SCMH
Methane	%
Flare Temperature	°C
Flare efficiency	%
Electricity consumption	MW
Fuel oil consumption	TJ
Pilot gas consumption	TJ

B.2.3 Data concerning GHG emissions by sources of the project activity referring to paragraph (53 a)):

See item D.3.1.


B.2.4 Data concerning GHG emissions by sources of the baseline (referring to paragraph (53b)):

Table of dates.

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Flare N° 1

<i>Time Stamp</i>	<i>LFG Collected (N.m3)</i>	<i>Methane (%)</i>	<i>Methane Collected (N.m3)</i>	<i>LFG Sent To Flares (N.m3)</i>	<i>Methane Exhaust Gas (ppm)</i>	<i>Methane Sent To Flares (N.m3)</i>	<i>Temperature Process (°C)</i>	<i>Flare Efficiency (%)</i>	<i>Methane Destroyed (N.m3)</i>	<i>Biogas to electricity (N.m3)</i>	<i>Methane sent To electricity (N.m3/day)</i>	<i>Electricity Exported (MWh)</i>
13/03/2008	95,944	49.4	47,396	95,944	2.9	47,396	753	99.991	47,391	0	0	0
14/03/2008	88,869	49.2	43,723	88,869	2.9	43,723	741	99.991	43,719	0	0	0
15/03/2008	54,383	47.8	25,995	54,383	2.9	25,995	738	99.991	25,992	0	0	0
16/03/2008	54,551	47.4	25,857	54,551	2.9	25,857	738	99.991	25,854	0	0	0
17/03/2008	67,795	47.4	32,134	67,795	2.9	32,134	739	99.991	32,131	0	0	0
18/03/2008	59,191	47.1	27,878	59,191	2.9	27,878	738	99.991	27,875	0	0	0
19/03/2008	58,708	47.5	27,886	58,708	2.9	27,886	736	99.991	27,883	0	0	0
20/03/2008	59,861	47	28,134	59,861	2.9	28,134	737	99.991	28,131	0	0	0
21/03/2008	62,491	46.2	28,870	62,491	2.9	28,870	738	99.991	28,867	0	0	0
22/03/2008	60,500	47.3	28,616	60,500	2.9	28,616	737	99.991	28,613	0	0	0
23/03/2008	60,718	47.2	28,658	60,718	2.9	28,658	738	99.991	28,655	0	0	0
24/03/2008	60,108	47.3	28,431	60,108	2.9	28,431	738	99.991	28,428	0	0	0
25/03/2008	60,320	47.6	28,712	60,320	2.9	28,712	738	99.991	28,709	0	0	0
26/03/2008	59,925	47.7	28,584	59,925	2.9	28,584	738	99.991	28,581	0	0	0
27/03/2008	59,436	47.7	28,350	59,436	2.9	28,350	738	99.991	28,347	0	0	0
28/03/2008	59,897	47.7	28,570	59,897	2.9	28,570	738	99.991	28,567	0	0	0
29/03/2008	59,857	47.6	28,491	59,857	2.9	28,491	738	99.991	28,488	0	0	0

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<i>Time Stamp</i>	<i>LFG Collected (N,m3)</i>	<i>Methane (%)</i>	<i>Methane Collected (N.m3)</i>	<i>LFG Sent To Flares (N.m3)</i>	<i>Methane Exhaust Gas (ppm)</i>	<i>Methane Sent To Flares (N.m3)</i>	<i>Temperature Process (°C)</i>	<i>Flare Efficiency (%)</i>	<i>Methane Destroyed (N.m3)</i>	<i>Biogas to electricity (N.m3)</i>	<i>Methane sent To electricity (N.m3/day)</i>	<i>Electricity Exported (MWh)</i>
30/03/2008	59,992	47.5	28,496	59,992	2.9	28,496	738	99.991	28,493	0	0	0
31/03/2008	58,983	47.7	28,134	58,983	2.9	28,134	737	99.991	28,131	0	0	0
01/04/2008	59,829	48	28,717	59,829	2.9	28,717	737	99.991	28,714	0	0	0
02/04/2008	58,280	48	27,974	58,280	2.9	27,974	737	99.991	27,971	0	0	0
03/04/2008	60,087	47.5	28,541	60,087	2.9	28,541	741	99.991	28,538	0	0	0
04/04/2008	56,789	47.7	27,088	56,789	2.9	27,088	739	99.991	27,085	0	0	0
05/04/2008	60,942	46.7	28,459	60,942	2.9	28,459	738	99.991	28,456	0	0	0
06/04/2008	56,742	47.3	26,838	56,742	2.9	26,838	738	99.991	26,835	0	0	0
07/04/2008	58,990	47	27,725	58,990	2.9	27,725	737	99.991	27,722	0	0	0
08/04/2008	59,079	47.3	27,944	59,079	2.9	27,944	737	99.991	27,941	0	0	0
09/04/2008	57,396	47.8	27,435	57,396	2.9	27,435	738	99.991	27,432	0	0	0
10/04/2008	58,423	47.1	27,517	58,423	2.9	27,517	738	99.991	27,514	0	0	0
11/04/2008	58,785	46.8	27,511	58,785	2.9	27,511	738	99.991	27,508	0	0	0
12/04/2008	57,460	47.1	27,063	57,460	2.9	27,063	738	99.991	27,060	0	0	0
13/04/2008	56,389	47.4	26,728	56,389	2.9	26,728	738	99.991	26,725	0	0	0
14/04/2008	55,240	47.9	26,459	55,240	2.9	26,459	738	99.991	26,456	0	0	0
15/04/2008	51,437	48.2	24,792	51,437	2.9	24,792	738	99.991	24,789	0	0	0
16/04/2008	56,769	47.3	26,851	56,769	2.9	26,851	738	99.991	26,848	0	0	0



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17/04/2008	56,094	47	26,364	56,094	2.9	26,364	737	99.991	26,361	0	0	0
18/04/2008	55,616	47.4	26,361	55,616	2.9	26,361	737	99.991	26,358	0	0	0
19/04/2008	55,176	47.7	26,318	55,176	2.9	26,318	738	99.991	26,315	0	0	0
20/04/2008	55,287	47.8	26,427	55,287	2.9	26,427	738	99.991	26,424	0	0	0
21/04/2008	54,470	47.8	26,036	54,470	2.9	26,036	738	99.991	26,033	0	0	0
22/04/2008	55,601	47.6	26,466	55,601	2.9	26,466	738	99.991	26,463	0	0	0
23/04/2008	56,670	47.4	26,861	56,670	2.9	26,861	737	99.991	26,858	0	0	0
24/04/2008	56,912	47.3	26,919	56,912	2.9	26,919	738	99.991	26,916	0	0	0
25/04/2008	43,490	48.2	20,962	43,490	2.9	20,962	737	99.991	20,960	0	0	0
26/04/2008	58,743	47.5	27,902	58,743	2.9	27,902	738	99.991	27,899	0	0	0
27/04/2008	56,124	48	26,939	56,124	2.9	26,939	738	99.991	26,936	0	0	0
28/04/2008	49,025	48.8	23,924	49,025	2.9	23,924	738	99.991	23,921	0	0	0
29/04/2008	58,355	48.1	28,068	58,355	2.9	28,068	738	99.991	28,065	0	0	0
30/04/2008	56,088	48.4	27,146	56,088	2.9	27,146	738	99.991	27,143	0	0	0
01/05/2008	56,549	48.2	27,256	56,549	2.9	27,256	738	99.991	27,253	0	0	0
02/05/2008	55,699	48.3	26,902	55,699	2.9	26,902	738	99.991	26,899	0	0	0
03/05/2008	55,159	48.4	26,696	55,159	2.9	26,696	738	99.991	26,693	0	0	0
04/05/2008	55,103	48.2	26,559	55,103	2.9	26,559	738	99.991	26,556	0	0	0



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05/05/2008	54,362	48.1	26,148	54,362	2.9	26,148	738	99.991	26,145	0	0	0
06/05/2008	54,294	48.2	26,169	54,294	2.9	26,169	738	99.991	26,166	0	0	0
07/05/2008	54,947	48.1	26,429	54,947	2.9	26,429	738	99.991	26,426	0	0	0
08/05/2008	53,880	48.6	26,185	53,880	2.9	26,185	738	99.991	26,182	0	0	0
09/05/2008	57,549	47.9	27,565	57,549	2.9	27,565	738	99.991	27,562	0	0	0
10/05/2008	58,052	47.9	27,806	58,052	2.9	27,806	738	99.991	27,803	0	0	0
11/05/2008	57,718	47.8	27,589	57,718	2.9	27,589	738	99.991	27,586	0	0	0
12/05/2008	57,265	47.9	27,429	57,265	2.9	27,429	738	99.991	27,426	0	0	0
13/05/2008	58,854	47.5	27,955	58,854	2.9	27,955	738	99.991	27,952	0	0	0
14/05/2008	60,335	47.5	28,659	60,335	2.9	28,659	738	99.991	28,656	0	0	0
15/05/2008	60,724	47	28,540	60,724	2.9	28,540	738	99.991	28,537	0	0	0
16/05/2008	59,351	48.1	28,547	59,351	2.9	28,547	738	99.991	28,544	0	0	0
17/05/2008	61,702	48.9	30,172	61,702	2.9	30,172	738	99.991	30,169	0	0	0
18/05/2008	59,920	49.2	29,480	59,920	2.9	29,480	738	99.991	29,477	0	0	0
19/05/2008	57,883	50	28,941	57,883	2.9	28,941	738	99.991	28,938	0	0	0
20/05/2008	61,016	49.1	29,958	61,016	2.9	29,958	738	99.991	29,955	0	0	0
21/05/2008	61,535	49.9	30,705	61,535	2.9	30,705	738	99.991	30,702	0	0	0
22/05/2008	60,233	49.8	29,996	60,233	2.9	29,996	738	99.991	29,993	0	0	0



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<i>Time Stamp</i>	<i>LFG Collected (N,m3)</i>	<i>Methane (%)</i>	<i>Methane Collected (N.m3)</i>	<i>LFG Sent To Flares (N.m3)</i>	<i>Methane Exhaust Gas (ppm)</i>	<i>Methane Sent To Flares (N.m3)</i>	<i>Temperature Process (°C)</i>	<i>Flare Efficiency (%)</i>	<i>Methane Destroyed (N.m3)</i>	<i>Biogas to electricity (N.m3)</i>	<i>Methane sent To electricity (N.m3/day)</i>	<i>Electricity Exported (MWh)</i>
23/05/2008	60,508	50	30,254	60,508	2.9	30,254	738	99.991	30,251	0	0	0
24/05/2008	60,631	49.8	30,194	60,631	2.9	30,194	738	99.991	30,191	0	0	0
25/05/2008	60,571	49.4	29,922	60,571	2.9	29,922	738	99.991	29,919	0	0	0
26/05/2008	59,036	50.1	29,577	59,036	2.9	29,577	738	99.991	29,574	0	0	0
27/05/2008	59,734	51	30,464	59,734	2.9	30,464	738	99.991	30,461	0	0	0
28/05/2008	46,620	51.4	23,962	46,620	2.9	23,962	738	99.991	23,959	0	0	0
29/05/2008	62,484	49.4	30,867	62,484	2.9	30,867	738	99.991	30,864	0	0	0
30/05/2008	51,481	51.9	26,718	51,481	2.9	26,718	738	99.991	26,715	0	0	0
31/05/2008	66,859	48.8	32,627	66,859	2.9	32,627	738	99.991	32,624	0	0	0
01/06/2008	65,952	48.8	32,184	65,952	2.9	32,184	738	99.991	32,181	0	0	0
02/06/2008	65,581	48.8	32,003	65,581	2.9	32,003	738	99.991	32,000	0	0	0
03/06/2008	65,035	50.1	32,582	65,035	2.9	32,582	738	99.991	32,579	0	0	0
04/06/2008	63,071	50	31,535	63,071	2.9	31,535	738	99.991	31,532	0	0	0
05/06/2008	63,344	50.7	32,115	63,344	2.9	32,115	738	99.991	32,112	0	0	0
06/06/2008	63,063	50.1	31,594	63,063	2.9	31,594	738	99.991	31,591	0	0	0
07/06/2008	61,425	49.7	30,528	61,425	2.9	30,528	738	99.991	30,525	0	0	0
08/06/2008	61,720	49.5	30,551	61,720	2.9	30,551	738	99.991	30,548	0	0	0
09/06/2008	62,428	49.7	31,026	62,428	2.9	31,026	738	99.991	31,023	0	0	0



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10/06/2008	63,129	49.2	31,059	63,129	2.9	31,059	738	99.991	31,056	0	0	0
11/06/2008	66,028	48.8	32,221	66,028	2.9	32,221	738	99.991	32,218	0	0	0
12/06/2008	93,596	51.5	48,201	93,596	2.9	48,201	794	99.991	48,196	0	0	0
13/06/2008	100,086	50.8	50,843	100,086	2.9	50,843	814	99.991	50,838	0	0	0
14/06/2008	70,571	48.5	34,226	70,571	2.9	34,226	786	99.991	34,222	0	0	0
15/06/2008	70,028	48.2	33,753	70,028	2.9	33,753	738	99.991	33,749	0	0	0
16/06/2008	69,777	48.5	33,841	69,777	2.9	33,841	738	99.991	33,837	0	0	0
17/06/2008	69,616	48.8	33,972	69,616	2.9	33,972	738	99.991	33,968	0	0	0
18/06/2008	70,085	49.2	34,481	70,085	2.9	34,481	738	99.991	34,477	0	0	0
19/06/2008	70,863	49.1	34,793	70,863	2.9	34,793	738	99.991	34,789	0	0	0
20/06/2008	70,531	49.2	34,701	70,531	2.9	34,701	738	99.991	34,697	0	0	0
21/06/2008	67,256	49.6	33,358	67,256	2.9	33,358	738	99.991	33,354	0	0	0
22/06/2008	67,873	49.3	33,461	67,873	2.9	33,461	738	99.991	33,457	0	0	0
23/06/2008	65,688	49.8	32,712	65,688	2.9	32,712	738	99.991	32,709	0	0	0
24/06/2008	66,984	49.6	33,224	66,984	2.9	33,224	738	99.991	33,221	0	0	0
25/06/2008	68,981	49	33,800	68,981	2.9	33,800	738	99.991	33,796	0	0	0
26/06/2008	69,360	48.9	33,917	69,360	2.9	33,917	738	99.991	33,913	0	0	0
27/06/2008	68,539	49.3	33,789	68,539	2.9	33,789	738	99.991	33,785	0	0	0



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28/06/2008	69,705	49.4	34,434	69,705	2.9	34,434	738	99.991	34,430	0	0	0
29/06/2008	69,078	49.2	33,986	69,078	2.9	33,986	738	99.991	33,982	0	0	0
30/06/2008	68,627	49.4	33,901	68,627	2.9	33,901	738	99.991	33,897	0	0	0
01/07/2008	67,462	49.5	33,393	67,462	2.9	33,393	738	99.991	33,389	0	0	0
02/07/2008	70,300	49.7	34,939	70,300	2.9	34,939	738	99.991	34,935	0	0	0
03/07/2008	67,919	49.1	33,348	67,919	2.9	33,348	738	99.991	33,344	0	0	0
04/07/2008	68,320	48.3	32,998	68,320	2.9	32,998	738	99.991	32,995	0	0	0
05/07/2008	68,139	48.5	33,047	68,139	2.9	33,047	738	99.991	33,044	0	0	0
06/07/2008	67,590	48.3	32,645	67,590	2.9	32,645	738	99.991	32,642	0	0	0
07/07/2008	68,394	47.9	32,760	68,394	2.9	32,760	738	99.991	32,757	0	0	0
08/07/2008	68,716	47.9	32,914	68,716	2.9	32,914	738	99.991	32,911	0	0	0
09/07/2008	57,101	49.1	28,036	57,101	2.9	28,036	749	99.991	28,033	0	0	0
10/07/2008	71,432	47.9	34,215	71,432	2.9	34,215	763	99.991	34,211	0	0	0
11/07/2008	71,332	48.2	34,382	71,332	2.9	34,382	763	99.991	34,378	0	0	0
12/07/2008	66,352	48.7	32,313	66,352	2.9	32,313	764	99.991	32,310	0	0	0
13/07/2008	74,114	48.8	36,167	74,114	2.9	36,167	763	99.991	36,163	0	0	0
14/07/2008	72,466	48	34,783	72,466	2.9	34,783	763	99.991	34,779	0	0	0
15/07/2008	72,466	47.7	34,566	72,466	2.9	34,566	763	99.991	34,562	0	0	0



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16/07/2008	73,877	47.7	35,239	73,877	2.9	35,239	763	99.991	35,235	0	0	0
17/07/2008	75,925	47.8	36,292	75,925	2.9	36,292	763	99.991	36,288	0	0	0
18/07/2008	75,938	48	36,450	75,938	2.9	36,450	763	99.991	36,446	0	0	0
19/07/2008	75,389	47.9	36,111	75,389	2.9	36,111	763	99.991	36,107	0	0	0
20/07/2008	75,146	47.8	35,919	75,146	2.9	35,919	763	99.991	35,915	0	0	0
21/07/2008	75,481	47.6	35,928	75,481	2.9	35,928	763	99.991	35,924	0	0	0
22/07/2008	70,940	50.7	35,966	70,940	2.9	35,966	758	99.991	35,962	0	0	0
23/07/2008	76,414	47.4	36,220	76,414	2.9	36,220	748	99.991	36,216	0	0	0
24/07/2008	74,868	47.2	35,337	74,868	2.9	35,337	748	99.991	35,333	0	0	0
25/07/2008	74,319	47.4	35,227	74,319	2.9	35,227	748	99.991	35,223	0	0	0
26/07/2008	73,216	47.6	34,850	73,216	2.9	34,850	748	99.991	34,846	0	0	0
27/07/2008	72,896	47.3	34,479	72,896	2.9	34,479	748	99.991	34,475	0	0	0
28/07/2008	73,456	47.6	34,965	73,456	2.9	34,965	748	99.991	34,961	0	0	0
29/07/2008	73,724	48.2	35,534	73,724	2.9	35,534	748	99.991	35,530	0	0	0
30/07/2008	73,801	48.5	35,793	73,801	2.9	35,793	748	99.991	35,789	0	0	0
31/07/2008	73,997	48.7	36,036	73,997	2.9	36,036	748	99.991	36,032	0	0	0
01/08/2008	74,701	48.5	36,229	74,701	2.9	36,229	748	99.991	36,225	0	0	0
02/08/2008	81,285	48.6	39,504	81,285	2.9	39,504	748	99.991	39,500	0	0	0



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03/08/2008	74,803	48.3	36,129	74,803	2.9	36,129	748	99.991	36,125	0	0	0
04/08/2008	74,603	48.8	36,406	74,603	2.9	36,406	748	99.991	36,402	0	0	0
05/08/2008	69,632	49.8	34,676	69,632	2.9	34,676	748	99.991	34,672	0	0	0
06/08/2008	75,626	49	37,056	75,626	2.9	37,056	748	99.991	37,052	0	0	0
07/08/2008	77,039	49.6	38,211	77,039	2.9	38,211	750	99.991	38,207	0	0	0
08/08/2008	76,528	49.1	37,575	76,528	2.9	37,575	748	99.991	37,571	0	0	0
09/08/2008	76,439	48.7	37,225	76,439	2.9	37,225	748	99.991	37,221	0	0	0
10/08/2008	74,818	48.7	36,436	74,818	2.9	36,436	748	99.991	36,432	0	0	0
11/08/2008	77,027	48.7	37,512	77,027	2.9	37,512	748	99.991	37,508	0	0	0
12/08/2008	77,289	48.4	37,407	77,289	2.9	37,407	752	99.991	37,403	0	0	0
13/08/2008	77,525	48.1	37,289	77,525	2.9	37,289	759	99.991	37,285	0	0	0
14/08/2008	77,680	48	37,286	77,680	2.9	37,286	759	99.991	37,282	0	0	0
15/08/2008	79,653	49.1	39,109	79,653	2.9	39,109	759	99.991	39,105	0	0	0
16/08/2008	79,151	50.5	39,971	79,151	2.9	39,971	759	99.991	39,967	0	0	0
17/08/2008	77,731	49.8	38,710	77,731	2.9	38,710	759	99.991	38,706	0	0	0
18/08/2008	77,757	49.4	38,411	77,757	2.9	38,411	759	99.991	38,407	0	0	0
19/08/2008	77,814	49.3	38,362	77,814	2.9	38,362	759	99.991	38,358	0	0	0
20/08/2008	78,196	49.5	38,707	78,196	2.9	38,707	762	99.991	38,703	0	0	0



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21/08/2008	78,641	49.3	38,770	78,641	2.9	38,770	763	99.991	38,766	0	0	0
22/08/2008	78,464	49.5	38,839	78,464	2.9	38,839	763	99.991	38,835	0	0	0
23/08/2008	78,549	49.3	38,724	78,549	2.9	38,724	763	99.991	38,720	0	0	0
24/08/2008	77,747	49.3	38,329	77,747	2.9	38,329	763	99.991	38,325	0	0	0
25/08/2008	77,464	49.4	38,267	77,464	2.9	38,267	763	99.991	38,263	0	0	0
26/08/2008	77,789	49.1	38,194	77,789	2.9	38,194	763	99.991	38,190	0	0	0
27/08/2008	79,262	48.4	38,362	79,262	2.9	38,362	763	99.991	38,358	0	0	0
28/08/2008	79,187	48.3	38,247	79,187	2.9	38,247	763	99.991	38,243	0	0	0
29/08/2008	78,192	48.5	37,923	78,192	2.9	37,923	763	99.991	37,919	0	0	0
30/08/2008	77,942	48.6	37,879	77,942	2.9	37,879	763	99.991	37,875	0	0	0
31/08/2008	77,833	48.4	37,671	77,833	2.9	37,671	763	99.991	37,667	0	0	0
01/09/2008	77,669	48.5	37,669	77,669	2.9	37,669	763	99.991	37,665	0	0	0
02/09/2008	64,673	49	31,689	64,673	2.9	31,689	763	99.991	31,686	0	0	0
03/09/2008	82,353	47.8	39,364	82,353	2.9	39,364	763	99.991	39,360	0	0	0
04/09/2008	81,968	48	39,344	81,968	2.9	39,344	763	99.991	39,340	0	0	0
05/09/2008	82,688	48.1	39,772	82,688	2.9	39,772	763	99.991	39,768	0	0	0
06/09/2008	83,361	49.2	41,013	83,361	2.9	41,013	766	99.991	41,009	0	0	0
07/09/2008	80,963	48.3	39,105	80,963	2.9	39,105	763	99.991	39,101	0	0	0



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08/09/2008	79,722	47.4	37,788	79,722	2.9	37,788	763	99.991	37,784	0	0	0
09/09/2008	81,578	47.9	39,075	81,578	2.9	39,075	763	99.991	39,071	0	0	0
10/09/2008	81,166	48.4	39,284	81,166	2.9	39,284	763	99.991	39,280	0	0	0
11/09/2008	81,442	48.5	39,499	81,442	2.9	39,499	763	99.991	39,495	0	0	0
12/09/2008	81,421	48.4	39,407	81,421	2.9	39,407	763	99.991	39,403	0	0	0
13/09/2008	80,699	48.1	38,816	80,699	2.9	38,816	763	99.991	38,812	0	0	0
14/09/2008	80,309	47.8	38,387	80,309	2.9	38,387	763	99.991	38,383	0	0	0
15/09/2008	79,963	47.7	38,142	79,963	2.9	38,142	762	99.991	38,138	0	0	0
16/09/2008	80,790	48	38,779	80,790	2.9	38,779	763	99.991	38,775	0	0	0
17/09/2008	80,728	47.9	38,668	80,728	2.9	38,668	763	99.991	38,664	0	0	0
18/09/2008	80,698	48	38,735	80,698	2.9	38,735	763	99.991	38,731	0	0	0
19/09/2008	78,951	48.2	38,054	78,951	2.9	38,054	764	99.991	38,050	0	0	0
20/09/2008	77,177	46.6	35,964	77,177	2.9	35,964	763	99.991	35,960	0	0	0
21/09/2008	79,793	47.2	37,662	79,793	2.9	37,662	763	99.991	37,658	0	0	0
22/09/2008	79,821	47.9	38,234	79,821	2.9	38,234	763	99.991	38,230	0	0	0
23/09/2008	81,003	48	38,881	81,003	2.9	38,881	763	99.991	38,877	0	0	0
24/09/2008	76,041	48.7	37,031	76,041	2.9	37,031	763	99.991	37,027	0	0	0
25/09/2008	74,346	48.8	36,280	74,346	2.9	36,280	763	99.991	36,276	0	0	0



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<i>Time Stamp</i>	<i>LFG Collected (N.m3)</i>	<i>Methane (%)</i>	<i>Methane Collected (N.m3)</i>	<i>LFG Sent To Flares (N.m3)</i>	<i>Methane Exhaust Gas (ppm)</i>	<i>Methane Sent To Flares (N.m3)</i>	<i>Temperature Process (°C)</i>	<i>Flare Efficiency (%)</i>	<i>Methane Destroyed (N.m3)</i>	<i>Biogas to electricity (N.m3)</i>	<i>Methane sent To electricity (N.m3/day)</i>	<i>Electricity Exported (MWh)</i>
26/09/2008	73,821	48.8	36,024	73,821	2.9	36,024	763	99.991	36,020	0	0	0
27/09/2008	80,446	49	39,418	80,446	2.9	39,418	763	99.991	39,414	0	0	0
28/09/2008	79,565	48.5	38,589	79,565	2.9	38,589	763	99.991	38,585	0	0	0
29/09/2008	79,716	48.3	38,502	79,716	2.9	38,502	763	99.991	38,498	0	0	0
30/09/2008	78,363	48.3	37,849	78,363	2.9	37,849	763	99.991	37,845	0	0	0
01/10/2008	82,482	48.4	39,921	82,482	2.9	39,921	763	99.991	39,917	0	0	0
02/10/2008	80,476	48.7	39,191	80,476	2.9	39,191	763	99.991	39,187	0	0	0
03/10/2008	80,607	48.5	39,094	80,607	2.9	39,094	763	99.991	39,090	0	0	0
04/10/2008	80,579	48.2	38,839	80,579	2.9	38,839	763	99.991	38,835	0	0	0
05/10/2008	80,221	48.3	38,746	80,221	2.9	38,746	763	99.991	38,742	0	0	0
06/10/2008	79,734	48	38,272	79,734	2.9	38,272	763	99.991	38,268	0	0	0
07/10/2008	79,184	48.4	38,325	79,184	2.9	38,325	763	99.991	38,321	0	0	0
08/10/2008	79,674	48.7	38,801	79,674	2.9	38,801	763	99.991	38,797	0	0	0
09/10/2008	50,947	49.8	25,371	50,947	2.9	25,371	763	99.991	25,368	0	0	0
10/10/2008	81,517	48.5	39,535	81,517	2.9	39,535	763	99.991	39,531	0	0	0
11/10/2008	81,923	48.3	39,568	81,923	2.9	39,568	763	99.991	39,564	0	0	0
12/10/2008	81,634	48.4	39,510	81,634	2.9	39,510	763	99.991	39,506	0	0	0
13/10/2008	80,940	48.4	39,174	80,940	2.9	39,174	763	99.991	39,170	0	0	0



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<i>Time Stamp</i>	<i>LFG Collected (N.m3)</i>	<i>Methane (%)</i>	<i>Methane Collected (N.m3)</i>	<i>LFG Sent To Flares (N.m3)</i>	<i>Methane Exhaust Gas (ppm)</i>	<i>Methane Sent To Flares (N.m3)</i>	<i>Temperature Process (°C)</i>	<i>Flare Efficiency (%)</i>	<i>Methane Destroyed (N.m3)</i>	<i>Biogas to electricity (N.m3)</i>	<i>Methane sent To electricity (N.m3/day)</i>	<i>Electricity Exported (MWh)</i>
14/10/2008	79,923	48.5	38,762	79,923	2.9	38,762	763	99.991	38,758	0	0	0
15/10/2008	68,226	49.1	33,498	68,226	2.9	33,498	763	99.991	33,494	0	0	0
16/10/2008	80,471	47.9	38,545	80,471	2.9	38,545	762	99.991	38,541	0	0	0
17/10/2008	84,066	47	39,511	84,066	2.9	39,511	763	99.991	39,507	0	0	0
18/10/2008	81,965	47.5	38,933	81,965	2.9	38,933	763	99.991	38,929	0	0	0
19/10/2008	82,606	47.3	39,072	82,606	2.9	39,072	763	99.991	39,068	0	0	0
20/10/2008	82,408	47.6	39,226	82,408	2.9	39,226	763	99.991	39,222	0	0	0
21/10/2008	81,772	48	39,250	81,772	2.9	39,250	763	99.991	39,246	0	0	0
22/10/2008	81,606	48.3	39,415	81,606	2.9	39,415	763	99.991	39,411	0	0	0
23/10/2008	82,048	48.1	39,465	82,048	2.9	39,465	763	99.991	39,461	0	0	0
24/10/2008	80,108	48.4	38,772	80,108	2.9	38,772	763	99.991	38,768	0	0	0
25/10/2008	83,632	47.8	39,976	83,632	2.9	39,976	763	99.991	39,972	0	0	0
26/10/2008	82,347	47.7	39,279	82,347	2.9	39,279	763	99.991	39,275	0	0	0
27/10/2008	82,560	47.2	38,968	82,560	2.9	38,968	763	99.991	38,964	0	0	0
28/10/2008	82,584	48.3	39,888	82,584	2.9	39,888	763	99.991	39,884	0	0	0
29/10/2008	82,469	48.3	39,832	82,469	2.9	39,832	763	99.991	39,828	0	0	0
30/10/2008	82,273	48.3	39,737	82,273	2.9	39,737	763	99.991	39,733	0	0	0
31/10/2008	81,645	48.2	39,352	81,645	2.9	39,352	763	99.991	39,348	0	0	0



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01/11/2008	82,367	47.6	39,206	82,367	2.9	39,206	763	99.991	39,202	0	0	0
02/11/2008	81,829	47.6	38,950	81,829	2.9	38,950	763	99.991	38,946	0	0	0
03/11/2008	79,745	47.6	37,958	79,745	2.9	37,958	763	99.991	37,954	0	0	0
04/11/2008	80,715	47	37,936	80,715	2.9	37,936	763	99.991	37,932	0	0	0
05/11/2008	79,057	47.7	37,710	79,057	2.9	37,710	764	99.991	37,706	0	0	0
06/11/2008	78,195	48	37,533	78,195	2.9	37,533	763	99.991	37,529	0	0	0
07/11/2008	80,658	47.8	38,554	80,658	2.9	38,554	763	99.991	38,550	0	0	0
08/11/2008	82,402	47.8	39,388	82,402	2.9	39,388	763	99.991	39,384	0	0	0
09/11/2008	81,651	47.9	39,110	81,651	2.9	39,110	763	99.991	39,106	0	0	0
10/11/2008	82,049	47.6	39,055	82,049	2.9	39,055	764	99.991	39,051	0	0	0
11/11/2008	81,495	47.6	38,791	81,495	2.9	38,791	764	99.991	38,787	0	0	0
12/11/2008	80,799	48.3	39,025	80,799	2.9	39,025	764	99.991	39,021	0	0	0
13/11/2008	80,229	48.1	38,590	80,229	2.9	38,590	764	99.991	38,586	0	0	0
14/11/2008	81,877	47.9	39,219	81,877	2.9	39,219	764	99.991	39,215	0	0	0
15/11/2008	81,362	47.7	38,809	81,362	2.9	38,809	764	99.991	38,805	0	0	0
16/11/2008	80,509	47.7	38,402	80,509	2.9	38,402	764	99.991	38,398	0	0	0
17/11/2008	80,844	47.3	38,239	80,844	2.9	38,239	764	99.991	38,235	0	0	0
18/11/2008	81,504	47.5	38,714	81,504	2.9	38,714	764	99.991	38,710	0	0	0



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19/11/2008	50,559	49.8	25,178	50,559	2.9	25,178	765	99.991	25,175	0	0	0
20/11/2008	87,987	47.3	41,617	87,987	2.9	41,617	764	99.991	41,613	0	0	0
21/11/2008	88,050	47.4	41,735	88,050	2.9	41,735	764	99.991	41,731	0	0	0
22/11/2008	88,107	47.6	41,938	88,107	2.9	41,938	764	99.991	41,934	0	0	0
23/11/2008	87,616	47.3	41,442	87,616	2.9	41,442	764	99.991	41,438	0	0	0
24/11/2008	85,258	47.8	40,753	85,258	2.9	40,753	764	99.991	40,749	0	0	0
25/11/2008	87,879	48	42,181	87,879	2.9	42,181	764	99.991	42,177	0	0	0
26/11/2008	87,912	48.3	42,461	87,912	2.9	42,461	764	99.991	42,457	0	0	0
27/11/2008	87,295	48.2	42,076	87,295	2.9	42,076	764	99.991	42,072	0	0	0
28/11/2008	86,987	48.1	41,840	86,987	2.9	41,840	764	99.991	41,836	0	0	0
29/11/2008	86,360	48.2	41,625	86,360	2.9	41,625	764	99.991	41,621	0	0	0
30/11/2008	85,410	48.1	41,082	85,410	2.9	41,082	764	99.991	41,078	0	0	0
01/12/2008	85,959	48.3	41,518	85,959	2.9	41,518	764	99.991	41,514	0	0	0
02/12/2008	79,363	49	38,887	79,363	2.9	38,887	764	99.991	38,883	0	0	0
03/12/2008	88,079	49.3	43,422	88,079	2.9	43,422	764	99.991	43,418	0	0	0
04/12/2008	87,345	48.8	42,624	87,345	2.9	42,624	764	99.991	42,620	0	0	0
05/12/2008	86,552	49.8	43,102	86,552	2.9	43,102	764	99.991	43,098	0	0	0
06/12/2008	87,657	50.3	44,091	87,657	2.9	44,091	764	99.991	44,087	0	0	0



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07/12/2008	86,924	50.1	43,548	86,924	2.9	43,548	764	99.991	43,544	0	0	0
08/12/2008	86,245	49.5	42,691	86,245	2.9	42,691	764	99.991	42,687	0	0	0
09/12/2008	85,156	49.3	41,981	85,156	2.9	41,981	764	99.991	41,977	0	0	0
10/12/2008	86,029	48.4	41,638	86,029	2.9	41,638	764	99.991	41,634	0	0	0
11/12/2008	85,026	48.6	41,322	85,026	2.9	41,322	764	99.991	41,318	0	0	0
12/12/2008	85,613	47.8	40,923	85,613	2.9	40,923	764	99.991	40,919	0	0	0
13/12/2008	84,209	46.5	39,157	84,209	2.9	39,157	764	99.991	39,153	0	0	0
14/12/2008	83,019	45.8	38,022	83,019	2.9	38,022	763	99.991	38,018	0	0	0
15/12/2008	82,465	46.9	38,676	82,465	2.9	38,676	764	99.991	38,672	0	0	0
16/12/2008	78,465	46.5	36,486	78,465	2.9	36,486	764	99.991	36,482	0	0	0
17/12/2008	82,041	46.1	37,820	82,041	2.9	37,820	764	99.991	37,816	0	0	0
18/12/2008	82,856	45.6	37,782	82,856	2.9	37,782	764	99.991	37,778	0	0	0
19/12/2008	84,156	45.4	38,206	84,156	2.9	38,206	764	99.991	38,202	0	0	0
20/12/2008	83,276	45.8	38,140	83,276	2.9	38,140	764	99.991	38,136	0	0	0
21/12/2008	82,609	45.6	37,669	82,609	2.9	37,669	764	99.991	37,665	0	0	0
22/12/2008	80,594	45.8	36,912	80,594	2.9	36,912	764	99.991	36,908	0	0	0
23/12/2008	69,764	46.1	32,161	69,764	2.9	32,161	765	99.991	32,158	0	0	0
24/12/2008	81,412	44.6	36,309	81,412	2.9	36,309	764	99.991	36,305	0	0	0



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25/12/2008	81,398	45.5	37,036	81,398	2.9	37,036	764	99.991	37,032	0	0	0
26/12/2008	80,954	45.3	36,672	80,954	2.9	36,672	764	99.991	36,668	0	0	0
27/12/2008	80,152	45.4	36,389	80,152	2.9	36,389	764	99.991	36,385	0	0	0
28/12/2008	79,522	45.1	35,864	79,522	2.9	35,864	764	99.991	35,860	0	0	0
29/12/2008	79,835	45.3	36,165	79,835	2.9	36,165	764	99.991	36,161	0	0	0
30/12/2008	81,121	45.2	36,666	81,121	2.9	36,666	760	99.991	36,662	0	0	0
31/12/2008	80,755	45.1	36,420	80,755	2.9	36,420	758	99.991	36,416	0	0	0
01/01/2009	79,426	45.5	36,138	79,426	2.9	36,138	758	99.991	36,134	0	0	0
02/01/2009	78,812	46.2	36,411	78,812	2.9	36,411	758	99.991	36,407	0	0	0
03/01/2009	77,139	46.8	36,101	77,139	2.9	36,101	758	99.991	36,097	0	0	0
04/01/2009	78,359	45.8	35,888	78,359	2.9	35,888	758	99.991	35,884	0	0	0
05/01/2009	76,793	46.4	35,631	76,793	2.9	35,631	758	99.991	35,627	0	0	0
06/01/2009	75,473	46.3	34,943	75,473	2.9	34,943	758	99.991	34,939	0	0	0
07/01/2009	64,641	47.9	30,963	64,641	2.9	30,963	758	99.991	30,960	0	0	0
08/01/2009	84,177	47	39,563	84,177	2.9	39,563	758	99.991	39,559	0	0	0
09/01/2009	81,718	45.3	37,018	81,718	2.9	37,018	758	99.991	37,014	0	0	0
10/01/2009	79,101	47.1	37,256	79,101	2.9	37,256	758	99.991	37,252	0	0	0
11/01/2009	83,258	47.4	39,464	83,258	2.9	39,464	758	99.991	39,460	0	0	0



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12/01/2009	85,463	46.8	39,996	85,463	2.9	39,996	758	99.991	39,992	0	0	0
13/01/2009	79,009	47.1	37,213	79,009	2.9	37,213	758	99.991	37,209	0	0	0
14/01/2009	84,011	47.8	40,157	84,011	2.9	40,157	758	99.991	40,153	0	0	0
15/01/2009	80,752	47.7	38,518	80,752	2.9	38,518	758	99.991	38,514	0	0	0
16/01/2009	79,460	48.1	38,220	79,460	2.9	38,220	758	99.991	38,216	0	0	0
17/01/2009	75,006	48.2	36,152	75,006	2.9	36,152	758	99.991	36,148	0	0	0
18/01/2009	73,011	47.8	34,899	73,011	2.9	34,899	758	99.991	34,895	0	0	0
19/01/2009	72,509	48.1	34,876	72,509	2.9	34,876	758	99.991	34,872	0	0	0
20/01/2009	72,318	47.8	34,568	72,318	2.9	34,568	758	99.991	34,564	0	0	0
21/01/2009	72,642	47.2	34,287	72,642	2.9	34,287	758	99.991	34,283	0	0	0
22/01/2009	71,873	47.4	34,067	71,873	2.9	34,067	758	99.991	34,063	0	0	0
23/01/2009	72,071	47.6	34,305	72,071	2.9	34,305	758	99.991	34,301	0	0	0
24/01/2009	69,900	48.2	33,691	69,900	2.9	33,691	758	99.991	33,687	0	0	0
25/01/2009	70,591	47.7	33,671	70,591	2.9	33,671	758	99.991	33,667	0	0	0
26/01/2009	68,755	48.1	33,071	68,755	2.9	33,071	757	99.991	33,068	0	0	0
27/01/2009	68,310	48.1	32,857	68,310	2.9	32,857	758	99.991	32,854	0	0	0
28/01/2009	68,992	48.1	33,185	68,992	2.9	33,185	758	99.991	33,182	0	0	0
29/01/2009	70,191	47.6	33,410	70,191	2.9	33,410	758	99.991	33,406	0	0	0



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30/01/2009	69,037	48.1	33,206	69,037	2.9	33,206	758	99.991	33,203	0	0	0
31/01/2009	70,430	48	33,806	70,430	2.9	33,806	758	99.991	33,802	0	0	0
01/02/2009	70,008	48.2	33,743	70,008	2.9	33,743	758	99.991	33,739	0	0	0
02/02/2009	70,534	47.8	33,715	70,534	2.9	33,715	758	99.991	33,711	0	0	0
03/02/2009	61,299	48.2	29,546	61,299	2.9	29,546	757	99.991	29,543	0	0	0
04/02/2009	81,214	46.9	38,089	81,214	2.9	38,089	757	99.991	38,085	0	0	0
05/02/2009	80,723	46.8	37,778	80,723	2.9	37,778	758	99.991	37,774	0	0	0
06/02/2009	79,929	47.1	37,646	79,929	2.9	37,646	758	99.991	37,642	0	0	0
07/02/2009	78,587	47.5	37,328	78,587	2.9	37,328	757	99.991	37,324	0	0	0
08/02/2009	79,062	47	37,159	79,062	2.9	37,159	758	99.991	37,155	0	0	0
09/02/2009	79,562	47.1	37,473	79,562	2.9	37,473	758	99.991	37,469	0	0	0
10/02/2009	80,139	47	37,665	80,139	2.9	37,665	758	99.991	37,661	0	0	0
11/02/2009	80,128	46.9	37,580	80,128	2.9	37,580	758	99.991	37,576	0	0	0
12/02/2009	79,485	47.1	37,437	79,485	2.9	37,437	758	99.991	37,433	0	0	0
13/02/2009	78,835	47.1	37,131	78,835	2.9	37,131	758	99.991	37,127	0	0	0
14/02/2009	78,421	46.9	36,779	78,421	2.9	36,779	758	99.991	36,775	0	0	0
15/02/2009	78,478	46.6	36,570	78,478	2.9	36,570	758	99.991	36,566	0	0	0
16/02/2009	77,559	46.7	36,220	77,559	2.9	36,220	758	99.991	36,216	0	0	0



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17/02/2009	75,312	47	35,396	75,312	2.9	35,396	758	99.991	35,392	0	0	0
18/02/2009	76,364	47	35,891	76,364	2.9	35,891	758	99.991	35,887	0	0	0
19/02/2009	77,104	47.5	36,624	77,104	2.9	36,624	758	99.991	36,620	0	0	0
20/02/2009	76,831	47.3	36,341	76,831	2.9	36,341	758	99.991	36,337	0	0	0
21/02/2009	76,045	47.2	35,893	76,045	2.9	35,893	758	99.991	35,889	0	0	0
22/02/2009	75,152	47.3	35,546	75,152	2.9	35,546	758	99.991	35,542	0	0	0
23/02/2009	74,282	47.3	35,135	74,282	2.9	35,135	758	99.991	35,131	0	0	0
24/02/2009	75,256	47.7	35,897	75,256	2.9	35,897	758	99.991	35,893	0	0	0
25/02/2009	76,106	47.6	36,226	76,106	2.9	36,226	759	99.991	36,222	0	0	0
26/02/2009	78,483	47	36,887	78,483	2.9	36,887	758	99.991	36,883	0	0	0
27/02/2009	78,205	47.4	37,069	78,205	2.9	37,069	758	99.991	37,065	0	0	0
28/02/2009	77,528	47.5	36,825	77,528	2.9	36,825	758	99.991	36,821	0	0	0
01/03/2009	76,153	47.3	36,020	76,153	2.9	36,020	758	99.991	36,016	0	0	0
02/03/2009	76,386	47.2	36,054	76,386	2.9	36,054	758	99.991	36,050	0	0	0
03/03/2009	76,316	47.2	36,021	76,316	2.9	36,021	758	99.991	36,017	0	0	0
04/03/2009	79,882	46.9	37,464	79,882	2.9	37,464	758	99.991	37,460	0	0	0
05/03/2009	80,137	47.4	37,984	80,137	2.9	37,984	758	99.991	37,980	0	0	0
06/03/2009	81,584	47.2	38,507	81,584	2.9	38,507	758	99.991	38,503	0	0	0



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07/03/2009	82,215	47.2	38,805	82,215	2.9	38,805	758	99.991	38,801	0	0	0
08/03/2009	81,594	47.3	38,593	81,594	2.9	38,593	757	99.991	38,589	0	0	0
09/03/2009	82,492	47.7	39,348	82,492	2.9	39,348	758	99.991	39,344	0	0	0
10/03/2009	90,244	47.1	42,504	90,244	2.9	42,504	758	99.991	42,500	0	0	0
11/03/2009	90,845	46.8	42,515	90,845	2.9	42,515	758	99.991	42,511	0	0	0
12/03/2009	90,679	46.7	42,347	90,679	2.9	42,347	758	99.991	42,343	0	0	0
13/03/2009	91,302	46.9	42,820	91,302	2.9	42,820	758	99.991	42,816	0	0	0
14/03/2009	91,425	46.9	42,878	91,425	2.9	42,878	758	99.991	42,874	0	0	0
15/03/2009	90,696	46.8	42,445	90,696	2.9	42,445	758	99.991	42,441	0	0	0
16/03/2009	88,694	47	41,686	88,694	2.9	41,686	758	99.991	41,682	0	0	0
17/03/2009	86,538	47.1	40,759	86,538	2.9	40,759	758	99.991	40,755	0	0	0
18/03/2009	86,682	47	40,740	86,682	2.9	40,740	758	99.991	40,736	0	0	0
19/03/2009	85,474	47.4	40,514	85,474	2.9	40,514	758	99.991	40,510	0	0	0
20/03/2009	77,858	48.1	37,449	77,858	2.9	37,449	758	99.991	37,445	0	0	0
21/03/2009	90,257	47.4	42,781	90,257	2.9	42,781	758	99.991	42,777	0	0	0
22/03/2009	87,790	46.8	41,085	87,790	2.9	41,085	758	99.991	41,081	0	0	0
23/03/2009	88,067	47	41,391	88,067	2.9	41,391	758	99.991	41,387	0	0	0
24/03/2009	88,610	47.4	42,001	88,610	2.9	42,001	758	99.991	41,997	0	0	0



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25/03/2009	87,558	47.6	41,677	87,558	2.9	41,677	758	99.991	41,673	0	0	0
26/03/2009	85,766	47.4	40,653	85,766	2.9	40,653	758	99.991	40,649	0	0	0
27/03/2009	71,129	48	34,141	71,129	2.9	34,141	758	99.991	34,137	0	0	0
28/03/2009	78,109	47.8	37,336	78,109	2.9	37,336	758	99.991	37,332	0	0	0
29/03/2009	84,469	47.2	39,869	84,469	2.9	39,869	758	99.991	39,865	0	0	0
30/03/2009	80,224	47.9	38,427	80,224	2.9	38,427	758	99.991	38,423	0	0	0
31/03/2009	84,349	48.1	40,571	84,349	2.9	40,571	758	99.991	40,567	0	0	0
01/04/2009	84,473	48.3	40,800	84,473	2.9	40,800	758	99.991	40,796	0	0	0
02/04/2009	91,112	48.5	44,189	91,112	2.9	44,189	758	99.991	44,185	0	0	0
03/04/2009	88,031	48.5	42,695	88,031	2.9	42,695	758	99.991	42,691	0	0	0
04/04/2009	88,272	48.3	42,635	88,272	2.9	42,635	758	99.991	42,631	0	0	0
05/04/2009	87,664	48.4	42,429	87,664	2.9	42,429	758	99.991	42,425	0	0	0
06/04/2009	88,015	49.1	43,215	88,015	2.9	43,215	757	99.991	43,211	0	0	0
07/04/2009	92,136	49.5	45,607	92,136	2.9	45,607	758	99.991	45,602	0	0	0
08/04/2009	99,606	48.8	48,607	99,606	2.9	48,607	758	99.991	48,602	0	0	0
09/04/2009	99,003	48.2	47,719	99,003	2.9	47,719	758	99.991	47,714	0	0	0
10/04/2009	97,573	48.7	47,518	97,573	2.9	47,518	758	99.991	47,513	0	0	0
11/04/2009	96,213	48.7	46,855	96,213	2.9	46,855	757	99.991	46,850	0	0	0



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12/04/2009	97,602	48.1	46,946	97,602	2.9	46,946	758	99.991	46,941	0	0	0
13/04/2009	97,934	48.5	47,497	97,934	2.9	47,497	758	99.991	47,492	0	0	0
14/04/2009	95,784	48.8	46,742	95,784	2.9	46,742	757	99.991	46,737	0	0	0
15/04/2009	99,483	48.2	47,950	99,483	2.9	47,950	758	99.991	47,945	0	0	0
16/04/2009	99,019	48.6	48,123	99,019	2.9	48,123	758	99.991	48,118	0	0	0
17/04/2009	94,776	49	46,440	94,776	2.9	46,440	757	99.991	46,435	0	0	0
18/04/2009	94,432	48.7	45,988	94,432	2.9	45,988	758	99.991	45,983	0	0	0
19/04/2009	95,131	48	45,662	95,131	2.9	45,662	758	99.991	45,657	0	0	0
20/04/2009	95,548	48.1	45,958	95,548	2.9	45,958	758	99.991	45,953	0	0	0
21/04/2009	91,113	48.1	43,825	91,113	2.9	43,825	757	99.991	43,821	0	0	0
22/04/2009	87,051	48.8	42,480	87,051	2.9	42,480	758	99.991	42,476	0	0	0
23/04/2009	89,475	48.6	43,484	89,475	2.9	43,484	757	99.991	43,480	0	0	0
24/04/2009	99,325	48.6	48,271	99,325	2.9	48,271	758	99.991	48,266	0	0	0
25/04/2009	98,284	48.3	47,471	98,284	2.9	47,471	758	99.991	47,466	0	0	0
26/04/2009	97,807	48.2	47,142	97,807	2.9	47,142	758	99.991	47,137	0	0	0
27/04/2009	96,064	48.3	46,398	96,064	2.9	46,398	758	99.991	46,393	0	0	0
28/04/2009	79,198	48.9	38,727	79,198	2.9	38,727	759	99.991	38,723	0	0	0
29/04/2009	94,221	47.7	44,943	94,221	2.9	44,943	758	99.991	44,938	0	0	0



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30/04/2009	96,164	47.9	46,062	96,164	2.9	46,062	758	99.991	46,057	0	0	0
01/05/2009	95,853	48	46,009	95,853	2.9	46,009	758	99.991	46,004	0	0	0
02/05/2009	94,907	48.3	45,840	94,907	2.9	45,840	758	99.991	45,835	0	0	0
03/05/2009	78,944	48.8	38,524	78,944	2.9	38,524	759	99.991	38,520	0	0	0
04/05/2009	99,103	48	47,569	99,103	2.9	47,569	758	99.991	47,564	0	0	0
05/05/2009	99,287	48.3	47,955	99,287	2.9	47,955	758	99.991	47,950	0	0	0
06/05/2009	101,308	48.4	49,033	101,308	2.9	49,033	758	99.991	49,028	0	0	0
07/05/2009	100,199	48.1	48,195	100,199	2.9	48,195	758	99.991	48,190	0	0	0
08/05/2009	98,023	48.7	47,737	98,023	2.9	47,737	758	99.991	47,732	0	0	0
09/05/2009	97,278	48.7	47,374	97,278	2.9	47,374	758	99.991	47,369	0	0	0
10/05/2009	96,869	48.8	47,272	96,869	2.9	47,272	758	99.991	47,267	0	0	0
11/05/2009	99,627	48.7	48,518	99,627	2.9	48,518	758	99.991	48,513	0	0	0
12/05/2009	98,153	48.9	47,996	98,153	2.9	47,996	758	99.991	47,991	0	0	0
13/05/2009	96,735	49.2	47,593	96,735	2.9	47,593	758	99.991	47,588	0	0	0
14/05/2009	99,268	49	48,641	99,268	2.9	48,641	758	99.991	48,636	0	0	0
15/05/2009	86,231	49.4	42,598	86,231	2.9	42,598	758	99.991	42,594	0	0	0
16/05/2009	94,429	49.3	46,553	94,429	2.9	46,553	758	99.991	46,548	0	0	0
17/05/2009	92,326	49.3	45,516	92,326	2.9	45,516	758	99.991	45,511	0	0	0



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18/05/2009	92,599	49.2	45,558	92,599	2.9	45,558	758	99.991	45,553	0	0	0
19/05/2009	92,426	49	45,288	92,426	2.9	45,288	758	99.991	45,283	0	0	0
20/05/2009	92,956	48.6	45,176	92,956	2.9	45,176	758	99.991	45,171	0	0	0
21/05/2009	93,175	48.6	45,283	93,175	2.9	45,283	758	99.991	45,278	0	0	0
22/05/2009	92,187	48.7	44,895	92,187	2.9	44,895	758	99.991	44,890	0	0	0
23/05/2009	92,055	48.6	44,738	92,055	2.9	44,738	758	99.991	44,733	0	0	0
24/05/2009	94,193	49	46,154	94,193	2.9	46,154	758	99.991	46,149	0	0	0
25/05/2009	91,225	49.7	45,338	91,225	2.9	45,338	762	99.991	45,333	0	0	0
26/05/2009	96,812	49.2	47,631	96,812	2.9	47,631	758	99.991	47,626	0	0	0
27/05/2009	94,556	49.6	46,899	94,556	2.9	46,899	758	99.991	46,894	0	0	0
28/05/2009	94,017	49.8	46,820	94,017	2.9	46,820	758	99.991	46,815	0	0	0
29/05/2009	93,055	49.5	46,062	93,055	2.9	46,062	758	99.991	46,057	0	0	0
30/05/2009	92,911	49.5	45,990	92,911	2.9	45,990	758	99.991	45,985	0	0	0
31/05/2009	92,039	49.3	45,375	92,039	2.9	45,375	758	99.991	45,370	0	0	0
01/06/2009	93,195	49.5	46,131	93,195	2.9	46,131	758	99.991	46,126	0	0	0
02/06/2009	61,930	50.5	31,274	61,930	2.9	31,274	759	99.991	31,271	0	0	0
03/06/2009	88,893	49.2	43,735	88,893	2.9	43,735	758	99.991	43,731	0	0	0
04/06/2009	95,313	49.1	46,798	95,313	2.9	46,798	758	99.991	46,793	0	0	0



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05/06/2009	93,504	49.1	45,910	93,504	2.9	45,910	758	99.991	45,905	0	0	0
06/06/2009	93,265	49.6	46,259	93,265	2.9	46,259	758	99.991	46,254	0	0	0
07/06/2009	92,581	50.2	46,475	92,581	2.9	46,475	758	99.991	46,470	0	0	0
08/06/2009	88,686	49.7	44,076	88,686	2.9	44,076	758	99.991	44,072	0	0	0
09/06/2009	91,666	49.7	45,558	91,666	2.9	45,558	758	99.991	45,553	0	0	0
10/06/2009	94,732	49.8	47,176	94,732	2.9	47,176	758	99.991	47,171	0	0	0
11/06/2009	95,091	49.5	47,070	95,091	2.9	47,070	758	99.991	47,065	0	0	0
12/06/2009	95,040	49.9	47,424	95,040	2.9	47,424	758	99.991	47,419	0	0	0
13/06/2009	92,001	50	46,000	92,001	2.9	46,000	758	99.991	45,995	0	0	0
14/06/2009	84,260	49.9	42,045	84,260	2.9	42,045	758	99.991	42,041	0	0	0
15/06/2009	91,810	50.3	46,180	91,810	2.9	46,180	758	99.991	46,175	0	0	0
16/06/2009	91,931	50.8	46,700	91,931	2.9	46,700	758	99.991	46,695	0	0	0
17/06/2009	95,751	50.1	47,971	95,751	2.9	47,971	758	99.991	47,966	0	0	0
18/06/2009	94,085	50.8	47,795	94,085	2.9	47,795	758	99.991	47,790	0	0	0
19/06/2009	63,175	50.4	31,840	63,175	2.9	31,840	758	99.991	31,837	0	0	0
20/06/2009	78,172	51.1	39,945	78,172	2.9	39,945	758	99.991	39,941	0	0	0
21/06/2009	80,137	51.4	41,190	80,137	2.9	41,190	758	99.991	41,186	0	0	0
22/06/2009	87,773	51.2	44,939	87,773	2.9	44,939	758	99.991	44,934	0	0	0



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<i>Time Stamp</i>	<i>LFG Collected (N.m3)</i>	<i>Methane (%)</i>	<i>Methane Collected (N.m3)</i>	<i>LFG Sent To Flares (N.m3)</i>	<i>Methane Exhaust Gas (ppm)</i>	<i>Methane Sent To Flares (N.m3)</i>	<i>Temperature Process (°C)</i>	<i>Flare Efficiency (%)</i>	<i>Methane Destroyed (N.m3)</i>	<i>Biogas to electricity (N.m3)</i>	<i>Methane sent To electricity (N.m3/day)</i>	<i>Electricity Exported (MWh)</i>
23/06/2009	95,766	50.5	48,361	95,766	2.9	48,361	758	99.991	48,356	0	0	0
24/06/2009	90,059	50.2	45,209	90,059	2.9	45,209	758	99.991	45,204	0	0	0
25/06/2009	78,193	50.3	39,331	78,193	2.9	39,331	758	99.991	39,327	0	0	0
26/06/2009	83,465	50.5	42,149	83,465	2.9	42,149	758	99.991	42,145	0	0	0
27/06/2009	82,371	50.4	41,514	82,371	2.9	41,514	758	99.991	41,510	0	0	0
28/06/2009	76,765	51.5	39,533	76,765	2.9	39,533	758	99.991	39,529	0	0	0
29/06/2009	73,832	53	39,130	73,832	2.9	39,130	758	99.991	39,126	0	0	0
30/06/2009	73,482	52.4	38,504	73,482	2.9	38,504	758	99.991	38,500	0	0	0
01/07/2009	77,750	50.7	39,419	77,750	2.9	39,419	758	99.991	39,415	0	0	0
02/07/2009	76,784	50.5	38,775	76,784	2.9	38,775	759	99.991	38,771	0	0	0
03/07/2009	72,999	50.4	36,791	72,999	2.9	36,791	758	99.991	36,787	0	0	0
04/07/2009	72,747	50.4	36,664	72,747	2.9	36,664	758	99.991	36,660	0	0	0
05/07/2009	74,297	50.2	37,297	74,297	2.9	37,297	758	99.991	37,293	0	0	0
06/07/2009	74,892	50.1	37,520	74,892	2.9	37,520	758	99.991	37,516	0	0	0
07/07/2009	77,442	50.2	38,875	77,442	2.9	38,875	758	99.991	38,871	0	0	0
08/07/2009	78,070	50.9	39,737	78,070	2.9	39,737	758	99.991	39,733	0	0	0
09/07/2009	67,419	50.3	33,911	67,419	2.9	33,911	758	99.991	33,907	0	0	0
10/07/2009	80,001	49.1	39,280	80,001	2.9	39,280	758	99.991	39,276	0	0	0



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<i>Time Stamp</i>	<i>LFG Collected (N.m3)</i>	<i>Methane (%)</i>	<i>Methane Collected (N.m3)</i>	<i>LFG Sent To Flares (N.m3)</i>	<i>Methane Exhaust Gas (ppm)</i>	<i>Methane Sent To Flares (N.m3)</i>	<i>Temperature Process (°C)</i>	<i>Flare Efficiency (%)</i>	<i>Methane Destroyed (N.m3)</i>	<i>Biogas to electricity (N.m3)</i>	<i>Methane sent To electricity (N.m3/day)</i>	<i>Electricity Exported (MWh)</i>
11/07/2009	77,590	50	38,795	77,590	2.9	38,795	758	99.991	38,791	0	0	0
12/07/2009	76,669	49.8	38,181	76,669	2.9	38,181	758	99.991	38,177	0	0	0
13/07/2009	77,214	49.7	38,375	77,214	2.9	38,375	758	99.991	38,371	0	0	0
14/07/2009	71,958	49.4	35,547	71,958	2.9	35,547	758	99.991	35,543	0	0	0
15/07/2009	73,826	50	36,913	73,826	2.9	36,913	758	99.991	36,909	0	0	0
16/07/2009	75,403	49.8	37,550	75,403	2.9	37,550	758	99.991	37,546	0	0	0
17/07/2009	74,844	49.4	36,972	74,844	2.9	36,972	758	99.991	36,968	0	0	0
18/07/2009	78,042	49.5	38,630	78,042	2.9	38,630	758	99.991	38,626	0	0	0
19/07/2009	78,622	49.9	39,232	78,622	2.9	39,232	758	99.991	39,228	0	0	0
20/07/2009	78,649	50.3	39,560	78,649	2.9	39,560	758	99.991	39,556	0	0	0
21/07/2009	77,755	50.1	38,955	77,755	2.9	38,955	758	99.991	38,951	0	0	0
22/07/2009	75,453	50.8	38,330	75,453	2.9	38,330	758	99.991	38,326	0	0	0
23/07/2009	76,425	49.8	38,059	76,425	2.9	38,059	758	99.991	38,055	0	0	0
24/07/2009	76,076	49.7	37,809	76,076	2.9	37,809	758	99.991	37,805	0	0	0
25/07/2009	75,409	49.9	37,629	75,409	2.9	37,629	758	99.991	37,625	0	0	0
26/07/2009	74,952	49.9	37,401	74,952	2.9	37,401	758	99.991	37,397	0	0	0
27/07/2009	74,943	50.1	37,546	74,943	2.9	37,546	758	99.991	37,542	0	0	0
28/07/2009	81,803	50.2	41,065	81,803	2.9	41,065	758	99.991	41,061	0	0	0



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<i>Time Stamp</i>	<i>LFG Collected (N,m3)</i>	<i>Methane (%)</i>	<i>Methane Collected (N.m3)</i>	<i>LFG Sent To Flares (N.m3)</i>	<i>Methane Exhaust Gas (ppm)</i>	<i>Methane Sent To Flares (N.m3)</i>	<i>Temperature Process (°C)</i>	<i>Flare Efficiency (%)</i>	<i>Methane Destroyed (N.m3)</i>	<i>Biogas to electricity (N.m3)</i>	<i>Methane sent To electricity (N.m3/day)</i>	<i>Electricity Exported (MWh)</i>
29/07/2009	73,493	50.3	36,966	73,493	2.9	36,966	758	99.991	36,962	0	0	0
30/07/2009	74,220	50.4	37,406	74,220	2.9	37,406	758	99.991	37,402	0	0	0
31/07/2009	72,968	50.2	36,629	72,968	2.9	36,629	758	99.991	36,625	0	0	0
01/08/2009	73,175	49.7	36,367	73,175	2.9	36,367	758	99.991	36,363	0	0	0
02/08/2009	71,878	50.3	36,154	71,878	2.9	36,154	758	99.991	36,150	0	0	0
03/08/2009	70,896	50.6	35,873	70,896	2.9	35,873	758	99.991	35,869	0	0	0
04/08/2009	85,290	50	42,645	85,290	2.9	42,645	767	99.991	42,641	0	0	0
05/08/2009	77,465	50.3	38,964	77,465	2.9	38,964	778	99.991	38,960	0	0	0
06/08/2009	75,643	51.4	38,880	75,643	2.9	38,880	777	99.991	38,876	0	0	0
07/08/2009	80,390	50.7	40,757	80,390	2.9	40,757	758	99.991	40,753	0	0	0
08/08/2009	83,234	50.9	42,366	83,234	2.9	42,366	758	99.991	42,362	0	0	0
09/08/2009	82,833	50.9	42,161	82,833	2.9	42,161	758	99.991	42,157	0	0	0
10/08/2009	85,400	51	43,554	85,400	2.9	43,554	758	99.991	43,550	0	0	0
11/08/2009	86,704	51.3	44,479	86,704	2.9	44,479	758	99.991	44,474	0	0	0
12/08/2009	88,463	51.7	45,735	88,463	2.9	45,735	758	99.991	45,730	0	0	0
13/08/2009	88,353	51.8	45,766	88,353	2.9	45,766	758	99.991	45,761	0	0	0
14/08/2009	86,261	50.6	43,648	86,261	2.9	43,648	758	99.991	43,644	0	0	0
15/08/2009	59,218	52.2	30,911	59,218	2.9	30,911	757	99.991	30,908	0	0	0




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<i>Time Stamp</i>	<i>LFG Collected (N.m3)</i>	<i>Methane (%)</i>	<i>Methane Collected (N.m3)</i>	<i>LFG Sent To Flares (N.m3)</i>	<i>Methane Exhaust Gas (ppm)</i>	<i>Methane Sent To Flares (N.m3)</i>	<i>Temperature Process (°C)</i>	<i>Flare Efficiency (%)</i>	<i>Methane Destroyed (N.m3)</i>	<i>Biogas to electricity (N.m3)</i>	<i>Methane sent To electricity (N.m3/day)</i>	<i>Electricity Exported (MWh)</i>
16/08/2009	65,938	53.9	35,540	65,938	2.9	35,540	753	99.991	35,536	0	0	0
17/08/2009	79,093	52.3	41,365	79,093	2.9	41,365	758	99.991	41,361	0	0	0
18/08/2009	72,711	52.4	38,100	72,711	2.9	38,100	758	99.991	38,096	0	0	0
19/08/2009	69,842	52.3	36,527	69,842	2.9	36,527	758	99.991	36,523	0	0	0
20/08/2009	71,649	51.4	36,827	71,649	2.9	36,827	758	99.991	36,823	0	0	0
21/08/2009	72,541	51.6	37,431	72,541	2.9	37,431	758	99.991	37,427	0	0	0
22/08/2009	77,570	51.8	40,181	77,570	2.9	40,181	758	99.991	40,177	0	0	0
23/08/2009	76,275	52	39,663	76,275	2.9	39,663	758	99.991	39,659	0	0	0
24/08/2009	52,480	52.5	27,552	52,480	2.9	27,552	758	99.991	27,549	0	0	0
25/08/2009	83,470	50.6	42,235	83,470	2.9	42,235	758	99.991	42,231	0	0	0
26/08/2009	81,973	50.6	41,478	81,973	2.9	41,478	758	99.991	41,474	0	0	0
27/08/2009	81,783	50.7	41,463	81,783	2.9	41,463	758	99.991	41,459	0	0	0
28/08/2009	81,514	50.7	41,327	81,514	2.9	41,327	758	99.991	41,323	0	0	0
29/08/2009	83,134	50	41,567	83,134	2.9	41,567	758	99.991	41,563	0	0	0
30/08/2009	83,075	49.9	41,454	83,075	2.9	41,454	758	99.991	41,450	0	0	0
31/08/2009	82,764	50.4	41,713	82,764	2.9	41,713	758	99.991	41,709	0	0	0
Totals	41,474,159	48.5	20,120,585	41,474,159	2.9	20,120,585	755	99.991	20,118,478	0	0	0

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Flare N° 2

<i>Time Stamp</i>	<i>LFG Collected (N.m3)</i>	<i>Methane (%)</i>	<i>Methane Collected (N.m3)</i>	<i>LFG Sent To Flares (N.m3)</i>	<i>Methane Exhaust Gas (ppm)</i>	<i>Methane Sent To Flares (N.m3)</i>	<i>Temperature Process (°C)</i>	<i>Flare Efficiency (%)</i>	<i>Methane Destroyed (N.m3)</i>	<i>Biogas to electricity (N.m3)</i>	<i>Methane sent To electricity (N.m3/day)</i>	<i>Electricity Exported (MWh)</i>
13/03/2008	13,019	47.9	6,236	13,019	2.1	6,236	793	99.994	6,235	0	0	0
14/03/2008	15,148	49.7	7,528	15,148	2.1	7,528	722	99.994	7,527	0	0	0
15/03/2008	56,933	47.8	27,213	56,933	2.1	27,213	710	99.994	27,211	0	0	0
16/03/2008	56,537	47.4	26,798	56,537	2.1	26,798	732	99.994	26,796	0	0	0
17/03/2008	43,657	47.4	20,693	43,657	2.1	20,693	739	99.994	20,691	0	0	0
18/03/2008	64,343	47.1	30,305	64,343	2.1	30,305	747	99.994	30,303	0	0	0
19/03/2008	60,490	47.4	28,672	60,490	2.1	28,672	758	99.994	28,670	0	0	0
20/03/2008	62,045	47	29,161	62,045	2.1	29,161	751	99.994	29,159	0	0	0
21/03/2008	66,483	46.2	30,715	66,483	2.1	30,715	760	99.994	30,713	0	0	0
22/03/2008	64,730	47.3	30,617	64,730	2.1	30,617	752	99.994	30,615	0	0	0
23/03/2008	64,645	47.2	30,512	64,645	2.1	30,512	746	99.994	30,510	0	0	0
24/03/2008	63,955	47.3	30,250	63,955	2.1	30,250	751	99.994	30,248	0	0	0
25/03/2008	64,388	47.6	30,648	64,388	2.1	30,648	748	99.994	30,646	0	0	0
26/03/2008	64,385	47.7	30,711	64,385	2.1	30,711	754	99.994	30,709	0	0	0
27/03/2008	63,601	47.7	30,337	63,601	2.1	30,337	751	99.994	30,335	0	0	0
28/03/2008	64,626	47.7	30,826	64,626	2.1	30,826	751	99.994	30,824	0	0	0
29/03/2008	64,101	47.6	30,512	64,101	2.1	30,512	743	99.994	30,510	0	0	0



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30/03/2008	63,991	47.5	30,395	63,991	2.1	30,395	743	99.994	30,393	0	0	0
31/03/2008	63,629	47.7	30,351	63,629	2.1	30,351	744	99.994	30,349	0	0	0
01/04/2008	63,593	48	30,524	63,593	2.1	30,524	749	99.994	30,522	0	0	0
02/04/2008	62,797	47.9	30,079	62,797	2.1	30,079	761	99.994	30,077	0	0	0
03/04/2008	63,220	47.4	29,966	63,220	2.1	29,966	757	99.994	29,964	0	0	0
04/04/2008	60,745	47.6	28,914	60,745	2.1	28,914	756	99.994	28,912	0	0	0
05/04/2008	66,357	46.7	30,988	66,357	2.1	30,988	761	99.994	30,986	0	0	0
06/04/2008	60,858	47.3	28,785	60,858	2.1	28,785	745	99.994	28,783	0	0	0
07/04/2008	63,616	47	29,899	63,616	2.1	29,899	745	99.994	29,897	0	0	0
08/04/2008	63,829	47.3	30,191	63,829	2.1	30,191	754	99.994	30,189	0	0	0
09/04/2008	62,599	47.8	29,922	62,599	2.1	29,922	756	99.994	29,920	0	0	0
10/04/2008	62,021	47.1	29,211	62,021	2.1	29,211	737	99.994	29,209	0	0	0
11/04/2008	64,348	46.8	30,114	64,348	2.1	30,114	732	99.994	30,112	0	0	0
12/04/2008	63,399	47.1	29,860	63,399	2.1	29,860	731	99.994	29,858	0	0	0
13/04/2008	61,672	47.4	29,232	61,672	2.1	29,232	717	99.994	29,230	0	0	0
14/04/2008	62,198	47.9	29,792	62,198	2.1	29,792	715	99.994	29,790	0	0	0
15/04/2008	57,829	48.1	27,815	57,829	2.1	27,815	692	99.994	27,813	0	0	0
16/04/2008	64,028	47.3	30,285	64,028	2.1	30,285	690	99.994	30,283	0	0	0



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<i>Time Stamp</i>	<i>LFG Collected (N.m3)</i>	<i>Methane (%)</i>	<i>Methane Collected (N.m3)</i>	<i>LFG Sent To Flares (N.m3)</i>	<i>Methane Exhaust Gas (ppm)</i>	<i>Methane Sent To Flares (N.m3)</i>	<i>Temperature Process (°C)</i>	<i>Flare Efficiency (%)</i>	<i>Methane Destroyed (N.m3)</i>	<i>Biogas to electricity (N.m3)</i>	<i>Methane sent To electricity (N.m3/day)</i>	<i>Electricity Exported (MWh)</i>
17/04/2008	64,064	47	30,110	64,064	2.1	30,110	698	99.994	30,108	0	0	0
18/04/2008	63,641	47.4	30,165	63,641	2.1	30,165	702	99.994	30,163	0	0	0
19/04/2008	62,885	47.7	29,996	62,885	2.1	29,996	705	99.994	29,994	0	0	0
20/04/2008	62,943	47.8	30,086	62,943	2.1	30,086	700	99.994	30,084	0	0	0
21/04/2008	62,871	47.8	30,052	62,871	2.1	30,052	684	99.994	30,050	0	0	0
22/04/2008	64,952	47.6	30,917	64,952	2.1	30,917	687	99.994	30,915	0	0	0
23/04/2008	66,114	47.3	31,271	66,114	2.1	31,271	694	99.994	31,269	0	0	0
24/04/2008	66,530	47.3	31,468	66,530	2.1	31,468	694	99.994	31,466	0	0	0
25/04/2008	51,506	48.3	24,877	51,506	2.1	24,877	720	99.994	24,875	0	0	0
26/04/2008	67,889	47.5	32,247	67,889	2.1	32,247	767	99.994	32,245	0	0	0
27/04/2008	64,726	48	31,068	64,726	2.1	31,068	767	99.994	31,066	0	0	0
28/04/2008	53,268	48.8	25,994	53,268	2.1	25,994	765	99.994	25,992	0	0	0
29/04/2008	62,836	48.1	30,224	62,836	2.1	30,224	762	99.994	30,222	0	0	0
30/04/2008	62,076	48.3	29,982	62,076	2.1	29,982	766	99.994	29,980	0	0	0
01/05/2008	62,353	48.1	29,991	62,353	2.1	29,991	766	99.994	29,989	0	0	0
02/05/2008	63,786	48.3	30,808	63,786	2.1	30,808	767	99.994	30,806	0	0	0
03/05/2008	63,703	48.4	30,832	63,703	2.1	30,832	767	99.994	30,830	0	0	0
04/05/2008	63,404	48.2	30,560	63,404	2.1	30,560	767	99.994	30,558	0	0	0



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<i>Time Stamp</i>	<i>LFG Collected (N.m3)</i>	<i>Methane (%)</i>	<i>Methane Collected (N.m3)</i>	<i>LFG Sent To Flares (N.m3)</i>	<i>Methane Exhaust Gas (ppm)</i>	<i>Methane Sent To Flares (N.m3)</i>	<i>Temperature Process (°C)</i>	<i>Flare Efficiency (%)</i>	<i>Methane Destroyed (N.m3)</i>	<i>Biogas to electricity (N.m3)</i>	<i>Methane sent To electricity (N.m3/day)</i>	<i>Electricity Exported (MWh)</i>
05/05/2008	62,776	48.1	30,195	62,776	2.1	30,195	766	99.994	30,193	0	0	0
06/05/2008	62,842	48.2	30,289	62,842	2.1	30,289	761	99.994	30,287	0	0	0
07/05/2008	62,957	48.1	30,282	62,957	2.1	30,282	765	99.994	30,280	0	0	0
08/05/2008	61,951	48.5	30,046	61,951	2.1	30,046	766	99.994	30,044	0	0	0
09/05/2008	65,087	47.9	31,176	65,087	2.1	31,176	766	99.994	31,174	0	0	0
10/05/2008	66,727	47.9	31,962	66,727	2.1	31,962	767	99.994	31,960	0	0	0
11/05/2008	66,480	47.8	31,777	66,480	2.1	31,777	767	99.994	31,775	0	0	0
12/05/2008	65,592	47.9	31,418	65,592	2.1	31,418	767	99.994	31,416	0	0	0
13/05/2008	68,742	47.5	32,652	68,742	2.1	32,652	767	99.994	32,650	0	0	0
14/05/2008	69,742	47.5	33,127	69,742	2.1	33,127	766	99.994	33,125	0	0	0
15/05/2008	71,399	47	33,557	71,399	2.1	33,557	767	99.994	33,554	0	0	0
16/05/2008	69,178	48.1	33,274	69,178	2.1	33,274	765	99.994	33,272	0	0	0
17/05/2008	69,910	48.9	34,185	69,910	2.1	34,185	764	99.994	34,182	0	0	0
18/05/2008	67,381	49.2	33,151	67,381	2.1	33,151	760	99.994	33,149	0	0	0
19/05/2008	63,795	49.9	31,833	63,795	2.1	31,833	764	99.994	31,831	0	0	0
20/05/2008	68,217	49	33,426	68,217	2.1	33,426	766	99.994	33,423	0	0	0
21/05/2008	69,798	49.9	34,829	69,798	2.1	34,829	766	99.994	34,826	0	0	0
22/05/2008	68,699	49.8	34,212	68,699	2.1	34,212	767	99.994	34,209	0	0	0



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23/05/2008	70,099	50	35,049	70,099	2.1	35,049	766	99.994	35,046	0	0	0
24/05/2008	70,196	49.8	34,957	70,196	2.1	34,957	767	99.994	34,954	0	0	0
25/05/2008	68,808	49.4	33,991	68,808	2.1	33,991	767	99.994	33,988	0	0	0
26/05/2008	66,162	50.1	33,147	66,162	2.1	33,147	765	99.994	33,145	0	0	0
27/05/2008	67,156	51	34,249	67,156	2.1	34,249	765	99.994	34,246	0	0	0
28/05/2008	51,602	51.4	26,523	51,602	2.1	26,523	754	99.994	26,521	0	0	0
29/05/2008	71,445	49.4	35,293	71,445	2.1	35,293	742	99.994	35,290	0	0	0
30/05/2008	46,368	50.1	23,230	46,368	2.1	23,230	741	99.994	23,228	0	0	0
31/05/2008	74,164	48.8	36,192	74,164	2.1	36,192	741	99.994	36,189	0	0	0
01/06/2008	75,223	48.8	36,708	75,223	2.1	36,708	742	99.994	36,705	0	0	0
02/06/2008	73,722	48.8	35,976	73,722	2.1	35,976	742	99.994	35,973	0	0	0
03/06/2008	68,641	49.7	34,114	68,641	2.1	34,114	741	99.994	34,111	0	0	0
04/06/2008	69,747	50	34,873	69,747	2.1	34,873	742	99.994	34,870	0	0	0
05/06/2008	73,466	50.7	37,247	73,466	2.1	37,247	742	99.994	37,244	0	0	0
06/06/2008	73,849	50.1	36,998	73,849	2.1	36,998	752	99.994	36,995	0	0	0
07/06/2008	72,082	49.7	35,824	72,082	2.1	35,824	772	99.994	35,821	0	0	0
08/06/2008	72,452	49.5	35,863	72,452	2.1	35,863	772	99.994	35,860	0	0	0
09/06/2008	71,861	49.7	35,714	71,861	2.1	35,714	772	99.994	35,711	0	0	0



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10/06/2008	72,325	49.2	35,583	72,325	2.1	35,583	772	99.994	35,580	0	0	0
11/06/2008	75,574	48.8	36,880	75,574	2.1	36,880	772	99.994	36,877	0	0	0
12/06/2008	27,858	48.4	13,483	27,858	2.1	13,483	772	99.994	13,482	0	0	0
13/06/2008	19,430	49.7	9,656	19,430	2.1	9,656	783	99.994	9,655	0	0	0
14/06/2008	78,723	48.5	38,180	78,723	2.1	38,180	771	99.994	38,177	0	0	0
15/06/2008	80,664	48.2	38,880	80,664	2.1	38,880	772	99.994	38,877	0	0	0
16/06/2008	80,750	48.5	39,163	80,750	2.1	39,163	772	99.994	39,160	0	0	0
17/06/2008	80,831	48.8	39,445	80,831	2.1	39,445	772	99.994	39,442	0	0	0
18/06/2008	78,936	49.2	38,836	78,936	2.1	38,836	772	99.994	38,833	0	0	0
19/06/2008	76,976	49.1	37,795	76,976	2.1	37,795	772	99.994	37,792	0	0	0
20/06/2008	79,668	49.2	39,196	79,668	2.1	39,196	772	99.994	39,193	0	0	0
21/06/2008	76,189	49.6	37,789	76,189	2.1	37,789	772	99.994	37,786	0	0	0
22/06/2008	78,218	49.3	38,561	78,218	2.1	38,561	772	99.994	38,558	0	0	0
23/06/2008	75,699	49.8	37,698	75,699	2.1	37,698	767	99.994	37,695	0	0	0
24/06/2008	77,318	49.6	38,349	77,318	2.1	38,349	771	99.994	38,346	0	0	0
25/06/2008	80,516	49	39,452	80,516	2.1	39,452	772	99.994	39,449	0	0	0
26/06/2008	80,416	48.9	39,323	80,416	2.1	39,323	771	99.994	39,320	0	0	0
27/06/2008	78,107	49.3	38,506	78,107	2.1	38,506	772	99.994	38,503	0	0	0



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28/06/2008	80,014	49.4	39,526	80,014	2.1	39,526	772	99.994	39,523	0	0	0
29/06/2008	79,343	49.2	39,036	79,343	2.1	39,036	772	99.994	39,033	0	0	0
30/06/2008	79,165	49.4	39,107	79,165	2.1	39,107	772	99.994	39,104	0	0	0
01/07/2008	83,088	49.5	41,128	83,088	2.1	41,128	772	99.994	41,125	0	0	0
02/07/2008	83,159	49.7	41,330	83,159	2.1	41,330	772	99.994	41,327	0	0	0
03/07/2008	79,631	49.1	39,098	79,631	2.1	39,098	772	99.994	39,095	0	0	0
04/07/2008	79,616	48.3	38,454	79,616	2.1	38,454	772	99.994	38,451	0	0	0
05/07/2008	80,024	48.5	38,811	80,024	2.1	38,811	772	99.994	38,808	0	0	0
06/07/2008	79,768	48.3	38,527	79,768	2.1	38,527	772	99.994	38,524	0	0	0
07/07/2008	80,878	47.9	38,740	80,878	2.1	38,740	772	99.994	38,737	0	0	0
08/07/2008	81,637	47.9	39,104	81,637	2.1	39,104	772	99.994	39,101	0	0	0
09/07/2008	68,895	49	33,758	68,895	2.1	33,758	768	99.994	33,755	0	0	0
10/07/2008	84,027	47.9	40,248	84,027	2.1	40,248	772	99.994	40,245	0	0	0
11/07/2008	83,918	48.2	40,448	83,918	2.1	40,448	772	99.994	40,445	0	0	0
12/07/2008	61,695	48.7	30,045	61,695	2.1	30,045	771	99.994	30,043	0	0	0
13/07/2008	81,023	48.8	39,539	81,023	2.1	39,539	772	99.994	39,536	0	0	0
14/07/2008	85,029	48	40,813	85,029	2.1	40,813	772	99.994	40,810	0	0	0
15/07/2008	89,145	47.7	42,522	89,145	2.1	42,522	772	99.994	42,519	0	0	0



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16/07/2008	90,572	47.7	43,202	90,572	2.1	43,202	772	99.994	43,199	0	0	0
17/07/2008	92,900	47.8	44,406	92,900	2.1	44,406	772	99.994	44,403	0	0	0
18/07/2008	93,168	48	44,720	93,168	2.1	44,720	772	99.994	44,717	0	0	0
19/07/2008	93,085	47.9	44,587	93,085	2.1	44,587	772	99.994	44,584	0	0	0
20/07/2008	91,561	47.8	43,766	91,561	2.1	43,766	770	99.994	43,763	0	0	0
21/07/2008	92,442	47.6	44,002	92,442	2.1	44,002	772	99.994	43,999	0	0	0
22/07/2008	58,448	48.4	28,288	58,448	2.1	28,288	756	99.994	28,286	0	0	0
23/07/2008	94,898	47.4	44,981	94,898	2.1	44,981	739	99.994	44,978	0	0	0
24/07/2008	93,559	47.2	44,159	93,559	2.1	44,159	757	99.994	44,156	0	0	0
25/07/2008	93,202	47.4	44,177	93,202	2.1	44,177	757	99.994	44,174	0	0	0
26/07/2008	92,028	47.6	43,805	92,028	2.1	43,805	757	99.994	43,802	0	0	0
27/07/2008	91,389	47.3	43,226	91,389	2.1	43,226	757	99.994	43,223	0	0	0
28/07/2008	92,120	47.6	43,849	92,120	2.1	43,849	757	99.994	43,846	0	0	0
29/07/2008	92,751	48.2	44,705	92,751	2.1	44,705	757	99.994	44,702	0	0	0
30/07/2008	92,886	48.5	45,049	92,886	2.1	45,049	757	99.994	45,046	0	0	0
31/07/2008	93,587	48.7	45,576	93,587	2.1	45,576	757	99.994	45,573	0	0	0
01/08/2008	94,292	48.5	45,731	94,292	2.1	45,731	757	99.994	45,728	0	0	0
02/08/2008	86,628	48.6	42,101	86,628	2.1	42,101	757	99.994	42,098	0	0	0



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03/08/2008	93,359	48.3	45,092	93,359	2.1	45,092	757	99.994	45,089	0	0	0
04/08/2008	93,112	48.8	45,438	93,112	2.1	45,438	757	99.994	45,435	0	0	0
05/08/2008	76,533	49.8	38,113	76,533	2.1	38,113	756	99.994	38,110	0	0	0
06/08/2008	93,642	49	45,884	93,642	2.1	45,884	757	99.994	45,881	0	0	0
07/08/2008	92,262	49.4	45,577	92,262	2.1	45,577	757	99.994	45,574	0	0	0
08/08/2008	95,058	49.1	46,673	95,058	2.1	46,673	757	99.994	46,670	0	0	0
09/08/2008	95,138	48.7	46,332	95,138	2.1	46,332	757	99.994	46,329	0	0	0
10/08/2008	92,850	48.7	45,217	92,850	2.1	45,217	757	99.994	45,214	0	0	0
11/08/2008	95,722	48.7	46,616	95,722	2.1	46,616	757	99.994	46,613	0	0	0
12/08/2008	95,631	48.4	46,285	95,631	2.1	46,285	757	99.994	46,282	0	0	0
13/08/2008	95,908	48.1	46,131	95,908	2.1	46,131	757	99.994	46,128	0	0	0
14/08/2008	95,337	48	45,761	95,337	2.1	45,761	756	99.994	45,758	0	0	0
15/08/2008	97,618	49.1	47,930	97,618	2.1	47,930	757	99.994	47,927	0	0	0
16/08/2008	96,648	50.5	48,807	96,648	2.1	48,807	757	99.994	48,804	0	0	0
17/08/2008	96,672	49.8	48,142	96,672	2.1	48,142	757	99.994	48,139	0	0	0
18/08/2008	96,707	49.4	47,773	96,707	2.1	47,773	757	99.994	47,770	0	0	0
19/08/2008	96,601	49.3	47,624	96,601	2.1	47,624	757	99.994	47,621	0	0	0
20/08/2008	94,072	49.4	46,471	94,072	2.1	46,471	756	99.994	46,468	0	0	0



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21/08/2008	96,963	49.3	47,802	96,963	2.1	47,802	757	99.994	47,799	0	0	0
22/08/2008	96,804	49.5	47,917	96,804	2.1	47,917	757	99.994	47,914	0	0	0
23/08/2008	96,831	49.3	47,737	96,831	2.1	47,737	757	99.994	47,734	0	0	0
24/08/2008	96,242	49.3	47,447	96,242	2.1	47,447	757	99.994	47,444	0	0	0
25/08/2008	94,811	49.3	46,741	94,811	2.1	46,741	757	99.994	46,738	0	0	0
26/08/2008	95,211	49	46,653	95,211	2.1	46,653	756	99.994	46,650	0	0	0
27/08/2008	98,156	48.4	47,507	98,156	2.1	47,507	757	99.994	47,504	0	0	0
28/08/2008	98,198	48.3	47,429	98,198	2.1	47,429	757	99.994	47,426	0	0	0
29/08/2008	97,221	48.5	47,152	97,221	2.1	47,152	757	99.994	47,149	0	0	0
30/08/2008	97,128	48.6	47,204	97,128	2.1	47,204	757	99.994	47,201	0	0	0
31/08/2008	97,219	48.4	47,053	97,219	2.1	47,053	757	99.994	47,050	0	0	0
01/09/2008	96,884	48.5	46,988	96,884	2.1	46,988	757	99.994	46,985	0	0	0
02/09/2008	78,622	48.9	38,446	78,622	2.1	38,446	757	99.994	38,443	0	0	0
03/09/2008	99,634	47.8	47,625	99,634	2.1	47,625	757	99.994	47,622	0	0	0
04/09/2008	99,668	48	47,840	99,668	2.1	47,840	757	99.994	47,837	0	0	0
05/09/2008	100,385	48.1	48,285	100,385	2.1	48,285	757	99.994	48,282	0	0	0
06/09/2008	93,579	48.8	45,666	93,579	2.1	45,666	758	99.994	45,663	0	0	0
07/09/2008	99,489	48.3	48,053	99,489	2.1	48,053	751	99.994	48,050	0	0	0



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<i>Time Stamp</i>	<i>LFG Collected (N.m3)</i>	<i>Methane (%)</i>	<i>Methane Collected (N.m3)</i>	<i>LFG Sent To Flares (N.m3)</i>	<i>Methane Exhaust Gas (ppm)</i>	<i>Methane Sent To Flares (N.m3)</i>	<i>Temperature Process (°C)</i>	<i>Flare Efficiency (%)</i>	<i>Methane Destroyed (N.m3)</i>	<i>Biogas to electricity (N.m3)</i>	<i>Methane sent To electricity (N.m3/day)</i>	<i>Electricity Exported (MWh)</i>
08/09/2008	97,936	47.4	46,421	97,936	2.1	46,421	756	99.994	46,418	0	0	0
09/09/2008	100,176	47.9	47,984	100,176	2.1	47,984	757	99.994	47,981	0	0	0
10/09/2008	100,078	48.4	48,437	100,078	2.1	48,437	757	99.994	48,434	0	0	0
11/09/2008	86,889	48.5	42,141	86,889	2.1	42,141	757	99.994	42,138	0	0	0
12/09/2008	100,606	48.4	48,693	100,606	2.1	48,693	757	99.994	48,690	0	0	0
13/09/2008	100,072	48.1	48,134	100,072	2.1	48,134	757	99.994	48,131	0	0	0
14/09/2008	99,861	47.8	47,733	99,861	2.1	47,733	757	99.994	47,730	0	0	0
15/09/2008	99,667	47.7	47,541	99,667	2.1	47,541	756	99.994	47,538	0	0	0
16/09/2008	99,268	48	47,648	99,268	2.1	47,648	757	99.994	47,645	0	0	0
17/09/2008	100,342	47.9	48,063	100,342	2.1	48,063	757	99.994	48,060	0	0	0
18/09/2008	100,412	48	48,197	100,412	2.1	48,197	757	99.994	48,194	0	0	0
19/09/2008	90,525	47.9	43,361	90,525	2.1	43,361	759	99.994	43,358	0	0	0
20/09/2008	97,111	46.6	45,253	97,111	2.1	45,253	757	99.994	45,250	0	0	0
21/09/2008	99,904	47.2	47,154	99,904	2.1	47,154	757	99.994	47,151	0	0	0
22/09/2008	97,649	47.9	46,773	97,649	2.1	46,773	757	99.994	46,770	0	0	0
23/09/2008	100,041	48	48,019	100,041	2.1	48,019	757	99.994	48,016	0	0	0
24/09/2008	95,120	48.7	46,323	95,120	2.1	46,323	757	99.994	46,320	0	0	0
25/09/2008	92,364	48.8	45,073	92,364	2.1	45,073	757	99.994	45,070	0	0	0



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<i>Time Stamp</i>	<i>LFG Collected (N.m3)</i>	<i>Methane (%)</i>	<i>Methane Collected (N.m3)</i>	<i>LFG Sent To Flares (N.m3)</i>	<i>Methane Exhaust Gas (ppm)</i>	<i>Methane Sent To Flares (N.m3)</i>	<i>Temperature Process (°C)</i>	<i>Flare Efficiency (%)</i>	<i>Methane Destroyed (N.m3)</i>	<i>Biogas to electricity (N.m3)</i>	<i>Methane sent To electricity (N.m3/day)</i>	<i>Electricity Exported (MWh)</i>
26/09/2008	93,285	48.7	45,429	93,285	2.1	45,429	757	99.994	45,426	0	0	0
27/09/2008	102,118	49	50,037	102,118	2.1	50,037	757	99.994	50,033	0	0	0
28/09/2008	101,443	48.5	49,199	101,443	2.1	49,199	757	99.994	49,196	0	0	0
29/09/2008	101,527	48.3	49,037	101,527	2.1	49,037	757	99.994	49,034	0	0	0
30/09/2008	100,054	48.3	48,326	100,054	2.1	48,326	757	99.994	48,323	0	0	0
01/10/2008	95,061	48.4	46,009	95,061	2.1	46,009	757	99.994	46,006	0	0	0
02/10/2008	101,586	48.7	49,472	101,586	2.1	49,472	757	99.994	49,469	0	0	0
03/10/2008	101,750	48.5	49,348	101,750	2.1	49,348	757	99.994	49,345	0	0	0
04/10/2008	102,004	48.2	49,165	102,004	2.1	49,165	757	99.994	49,162	0	0	0
05/10/2008	101,499	48.3	49,024	101,499	2.1	49,024	757	99.994	49,021	0	0	0
06/10/2008	101,269	48	48,609	101,269	2.1	48,609	757	99.994	48,606	0	0	0
07/10/2008	100,703	48.4	48,740	100,703	2.1	48,740	757	99.994	48,737	0	0	0
08/10/2008	101,116	48.7	49,243	101,116	2.1	49,243	757	99.994	49,240	0	0	0
09/10/2008	62,989	49.7	31,305	62,989	2.1	31,305	757	99.994	31,303	0	0	0
10/10/2008	101,311	48.5	49,135	101,311	2.1	49,135	757	99.994	49,132	0	0	0
11/10/2008	102,098	48.3	49,313	102,098	2.1	49,313	757	99.994	49,310	0	0	0
12/10/2008	101,818	48.4	49,279	101,818	2.1	49,279	757	99.994	49,276	0	0	0
13/10/2008	101,251	48.4	49,005	101,251	2.1	49,005	757	99.994	49,002	0	0	0



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<i>Time Stamp</i>	<i>LFG Collected (N.m3)</i>	<i>Methane (%)</i>	<i>Methane Collected (N.m3)</i>	<i>LFG Sent To Flares (N.m3)</i>	<i>Methane Exhaust Gas (ppm)</i>	<i>Methane Sent To Flares (N.m3)</i>	<i>Temperature Process (°C)</i>	<i>Flare Efficiency (%)</i>	<i>Methane Destroyed (N.m3)</i>	<i>Biogas to electricity (N.m3)</i>	<i>Methane sent To electricity (N.m3/day)</i>	<i>Electricity Exported (MWh)</i>
14/10/2008	100,651	48.5	48,815	100,651	2.1	48,815	757	99.994	48,812	0	0	0
15/10/2008	85,360	49.1	41,911	85,360	2.1	41,911	757	99.994	41,908	0	0	0
16/10/2008	100,009	47.8	47,804	100,009	2.1	47,804	756	99.994	47,801	0	0	0
17/10/2008	105,640	47	49,650	105,640	2.1	49,650	757	99.994	49,647	0	0	0
18/10/2008	103,503	47.5	49,163	103,503	2.1	49,163	757	99.994	49,160	0	0	0
19/10/2008	104,082	47.3	49,230	104,082	2.1	49,230	757	99.994	49,227	0	0	0
20/10/2008	103,860	47.6	49,437	103,860	2.1	49,437	757	99.994	49,434	0	0	0
21/10/2008	103,273	48	49,571	103,273	2.1	49,571	758	99.994	49,568	0	0	0
22/10/2008	103,185	48.3	49,838	103,185	2.1	49,838	758	99.994	49,835	0	0	0
23/10/2008	103,688	48.1	49,873	103,688	2.1	49,873	758	99.994	49,870	0	0	0
24/10/2008	100,206	48.3	48,399	100,206	2.1	48,399	758	99.994	48,396	0	0	0
25/10/2008	104,966	47.8	50,173	104,966	2.1	50,173	758	99.994	50,169	0	0	0
26/10/2008	103,412	47.7	49,327	103,412	2.1	49,327	758	99.994	49,324	0	0	0
27/10/2008	103,460	47.2	48,833	103,460	2.1	48,833	758	99.994	48,830	0	0	0
28/10/2008	103,151	48.3	49,821	103,151	2.1	49,821	758	99.994	49,818	0	0	0
29/10/2008	102,936	48.3	49,718	102,936	2.1	49,718	758	99.994	49,715	0	0	0
30/10/2008	102,760	48.3	49,633	102,760	2.1	49,633	758	99.994	49,630	0	0	0
31/10/2008	101,980	48.2	49,154	101,980	2.1	49,154	758	99.994	49,151	0	0	0



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<i>Time Stamp</i>	<i>LFG Collected (N.m3)</i>	<i>Methane (%)</i>	<i>Methane Collected (N.m3)</i>	<i>LFG Sent To Flares (N.m3)</i>	<i>Methane Exhaust Gas (ppm)</i>	<i>Methane Sent To Flares (N.m3)</i>	<i>Temperature Process (°C)</i>	<i>Flare Efficiency (%)</i>	<i>Methane Destroyed (N.m3)</i>	<i>Biogas to electricity (N.m3)</i>	<i>Methane sent To electricity (N.m3/day)</i>	<i>Electricity Exported (MWh)</i>
01/11/2008	102,603	47.6	48,839	102,603	2.1	48,839	758	99.994	48,836	0	0	0
02/11/2008	102,191	47.6	48,642	102,191	2.1	48,642	758	99.994	48,639	0	0	0
03/11/2008	99,554	47.6	47,387	99,554	2.1	47,387	758	99.994	47,384	0	0	0
04/11/2008	101,193	47	47,560	101,193	2.1	47,560	758	99.994	47,557	0	0	0
05/11/2008	96,490	47.6	45,929	96,490	2.1	45,929	758	99.994	45,926	0	0	0
06/11/2008	96,520	47.9	46,233	96,520	2.1	46,233	758	99.994	46,230	0	0	0
07/11/2008	101,528	47.8	48,530	101,528	2.1	48,530	758	99.994	48,527	0	0	0
08/11/2008	103,112	47.8	49,287	103,112	2.1	49,287	758	99.994	49,284	0	0	0
09/11/2008	102,409	47.9	49,053	102,409	2.1	49,053	758	99.994	49,050	0	0	0
10/11/2008	103,029	47.6	49,041	103,029	2.1	49,041	758	99.994	49,038	0	0	0
11/11/2008	102,365	47.6	48,725	102,365	2.1	48,725	758	99.994	48,722	0	0	0
12/11/2008	102,216	48.3	49,370	102,216	2.1	49,370	758	99.994	49,367	0	0	0
13/11/2008	100,701	48	48,336	100,701	2.1	48,336	758	99.994	48,333	0	0	0
14/11/2008	103,921	47.9	49,778	103,921	2.1	49,778	758	99.994	49,775	0	0	0
15/11/2008	103,426	47.7	49,334	103,426	2.1	49,334	758	99.994	49,331	0	0	0
16/11/2008	102,399	47.7	48,844	102,399	2.1	48,844	758	99.994	48,841	0	0	0
17/11/2008	102,648	47.3	48,552	102,648	2.1	48,552	758	99.994	48,549	0	0	0
18/11/2008	103,037	47.5	48,942	103,037	2.1	48,942	758	99.994	48,939	0	0	0



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<i>Time Stamp</i>	<i>LFG Collected (N.m3)</i>	<i>Methane (%)</i>	<i>Methane Collected (N.m3)</i>	<i>LFG Sent To Flares (N.m3)</i>	<i>Methane Exhaust Gas (ppm)</i>	<i>Methane Sent To Flares (N.m3)</i>	<i>Temperature Process (°C)</i>	<i>Flare Efficiency (%)</i>	<i>Methane Destroyed (N.m3)</i>	<i>Biogas to electricity (N.m3)</i>	<i>Methane sent To electricity (N.m3/day)</i>	<i>Electricity Exported (MWh)</i>
19/11/2008	61,445	49.7	30,538	61,445	2.1	30,538	759	99.994	30,536	0	0	0
20/11/2008	102,188	47.3	48,334	102,188	2.1	48,334	758	99.994	48,331	0	0	0
21/11/2008	102,371	47.4	48,523	102,371	2.1	48,523	758	99.994	48,520	0	0	0
22/11/2008	102,509	47.6	48,794	102,509	2.1	48,794	758	99.994	48,791	0	0	0
23/11/2008	101,805	47.3	48,153	101,805	2.1	48,153	758	99.994	48,150	0	0	0
24/11/2008	99,000	47.8	47,322	99,000	2.1	47,322	758	99.994	47,319	0	0	0
25/11/2008	101,920	48	48,921	101,920	2.1	48,921	758	99.994	48,918	0	0	0
26/11/2008	101,466	48.3	49,008	101,466	2.1	49,008	758	99.994	49,005	0	0	0
27/11/2008	100,531	48.2	48,455	100,531	2.1	48,455	758	99.994	48,452	0	0	0
28/11/2008	100,026	48.1	48,112	100,026	2.1	48,112	758	99.994	48,109	0	0	0
29/11/2008	99,417	48.2	47,918	99,417	2.1	47,918	758	99.994	47,915	0	0	0
30/11/2008	98,610	48.1	47,431	98,610	2.1	47,431	758	99.994	47,428	0	0	0
01/12/2008	98,896	48.3	47,766	98,896	2.1	47,766	758	99.994	47,763	0	0	0
02/12/2008	90,609	48.9	44,307	90,609	2.1	44,307	758	99.994	44,304	0	0	0
03/12/2008	97,962	49.2	48,197	97,962	2.1	48,197	758	99.994	48,194	0	0	0
04/12/2008	98,015	48.8	47,831	98,015	2.1	47,831	758	99.994	47,828	0	0	0
05/12/2008	95,384	49.7	47,405	95,384	2.1	47,405	758	99.994	47,402	0	0	0
06/12/2008	98,373	50.3	49,481	98,373	2.1	49,481	758	99.994	49,478	0	0	0



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07/12/2008	97,496	50.1	48,845	97,496	2.1	48,845	758	99.994	48,842	0	0	0
08/12/2008	96,997	49.5	48,013	96,997	2.1	48,013	758	99.994	48,010	0	0	0
09/12/2008	94,779	49.2	46,631	94,779	2.1	46,631	759	99.994	46,628	0	0	0
10/12/2008	96,218	48.4	46,569	96,218	2.1	46,569	762	99.994	46,566	0	0	0
11/12/2008	95,277	48.6	46,304	95,277	2.1	46,304	762	99.994	46,301	0	0	0
12/12/2008	97,301	47.8	46,509	97,301	2.1	46,509	762	99.994	46,506	0	0	0
13/12/2008	96,052	46.5	44,664	96,052	2.1	44,664	762	99.994	44,661	0	0	0
14/12/2008	94,988	45.8	43,504	94,988	2.1	43,504	762	99.994	43,501	0	0	0
15/12/2008	94,148	46.9	44,155	94,148	2.1	44,155	762	99.994	44,152	0	0	0
16/12/2008	88,707	46.6	41,337	88,707	2.1	41,337	762	99.994	41,334	0	0	0
17/12/2008	93,085	46.1	42,912	93,085	2.1	42,912	762	99.994	42,909	0	0	0
18/12/2008	91,964	45.5	41,843	91,964	2.1	41,843	762	99.994	41,840	0	0	0
19/12/2008	94,653	45.4	42,972	94,653	2.1	42,972	762	99.994	42,969	0	0	0
20/12/2008	93,697	45.8	42,913	93,697	2.1	42,913	762	99.994	42,910	0	0	0
21/12/2008	93,126	45.6	42,465	93,126	2.1	42,465	762	99.994	42,462	0	0	0
22/12/2008	90,826	45.8	41,598	90,826	2.1	41,598	762	99.994	41,595	0	0	0
23/12/2008	71,387	46	32,838	71,387	2.1	32,838	762	99.994	32,836	0	0	0
24/12/2008	92,821	44.6	41,398	92,821	2.1	41,398	762	99.994	41,395	0	0	0



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25/12/2008	92,706	45.5	42,181	92,706	2.1	42,181	762	99.994	42,178	0	0	0
26/12/2008	92,256	45.3	41,791	92,256	2.1	41,791	762	99.994	41,788	0	0	0
27/12/2008	92,167	45.4	41,843	92,167	2.1	41,843	762	99.994	41,840	0	0	0
28/12/2008	91,589	45.1	41,306	91,589	2.1	41,306	762	99.994	41,303	0	0	0
29/12/2008	91,384	45.3	41,396	91,384	2.1	41,396	762	99.994	41,393	0	0	0
30/12/2008	92,504	45.2	41,811	92,504	2.1	41,811	762	99.994	41,808	0	0	0
31/12/2008	92,991	45.1	41,938	92,991	2.1	41,938	762	99.994	41,935	0	0	0
01/01/2009	91,602	45.5	41,678	91,602	2.1	41,678	762	99.994	41,675	0	0	0
02/01/2009	90,252	46.2	41,696	90,252	2.1	41,696	762	99.994	41,693	0	0	0
03/01/2009	87,435	46.8	40,919	87,435	2.1	40,919	762	99.994	40,916	0	0	0
04/01/2009	91,209	45.8	41,773	91,209	2.1	41,773	762	99.994	41,770	0	0	0
05/01/2009	89,753	46.4	41,645	89,753	2.1	41,645	762	99.994	41,642	0	0	0
06/01/2009	87,933	46.3	40,712	87,933	2.1	40,712	762	99.994	40,709	0	0	0
07/01/2009	71,552	47.8	34,201	71,552	2.1	34,201	762	99.994	34,198	0	0	0
08/01/2009	84,436	47	39,684	84,436	2.1	39,684	762	99.994	39,681	0	0	0
09/01/2009	83,544	45.3	37,845	83,544	2.1	37,845	762	99.994	37,842	0	0	0
10/01/2009	80,870	47	38,008	80,870	2.1	38,008	762	99.994	38,005	0	0	0
11/01/2009	80,145	47.4	37,988	80,145	2.1	37,988	762	99.994	37,985	0	0	0



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12/01/2009	82,399	46.8	38,562	82,399	2.1	38,562	762	99.994	38,559	0	0	0
13/01/2009	80,438	47	37,805	80,438	2.1	37,805	762	99.994	37,802	0	0	0
14/01/2009	86,085	47.8	41,148	86,085	2.1	41,148	762	99.994	41,145	0	0	0
15/01/2009	85,966	47.7	41,005	85,966	2.1	41,005	762	99.994	41,002	0	0	0
16/01/2009	88,634	48.1	42,632	88,634	2.1	42,632	762	99.994	42,629	0	0	0
17/01/2009	88,063	48.2	42,446	88,063	2.1	42,446	762	99.994	42,443	0	0	0
18/01/2009	88,739	47.7	42,328	88,739	2.1	42,328	762	99.994	42,325	0	0	0
19/01/2009	90,871	48.1	43,708	90,871	2.1	43,708	762	99.994	43,705	0	0	0
20/01/2009	90,934	47.8	43,466	90,934	2.1	43,466	762	99.994	43,463	0	0	0
21/01/2009	90,882	47.2	42,896	90,882	2.1	42,896	762	99.994	42,893	0	0	0
22/01/2009	89,572	47.4	42,457	89,572	2.1	42,457	762	99.994	42,454	0	0	0
23/01/2009	90,916	47.6	43,276	90,916	2.1	43,276	762	99.994	43,273	0	0	0
24/01/2009	89,089	48.1	42,851	89,089	2.1	42,851	762	99.994	42,848	0	0	0
25/01/2009	90,841	47.7	43,331	90,841	2.1	43,331	762	99.994	43,328	0	0	0
26/01/2009	88,609	48.1	42,620	88,609	2.1	42,620	762	99.994	42,617	0	0	0
27/01/2009	90,181	48.1	43,377	90,181	2.1	43,377	762	99.994	43,374	0	0	0
28/01/2009	90,770	48.1	43,660	90,770	2.1	43,660	762	99.994	43,657	0	0	0
29/01/2009	92,238	47.6	43,905	92,238	2.1	43,905	762	99.994	43,902	0	0	0



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30/01/2009	91,084	48.1	43,811	91,084	2.1	43,811	762	99.994	43,808	0	0	0
31/01/2009	94,150	48	45,192	94,150	2.1	45,192	762	99.994	45,189	0	0	0
01/02/2009	93,656	48.2	45,142	93,656	2.1	45,142	762	99.994	45,139	0	0	0
02/02/2009	94,805	47.8	45,316	94,805	2.1	45,316	762	99.994	45,313	0	0	0
03/02/2009	75,559	48.2	36,419	75,559	2.1	36,419	762	99.994	36,416	0	0	0
04/02/2009	95,556	46.9	44,815	95,556	2.1	44,815	762	99.994	44,812	0	0	0
05/02/2009	95,073	46.8	44,494	95,073	2.1	44,494	762	99.994	44,491	0	0	0
06/02/2009	94,481	47.1	44,500	94,481	2.1	44,500	762	99.994	44,497	0	0	0
07/02/2009	87,431	47.1	41,180	87,431	2.1	41,180	761	99.994	41,177	0	0	0
08/02/2009	93,344	47	43,871	93,344	2.1	43,871	762	99.994	43,868	0	0	0
09/02/2009	93,933	47.1	44,242	93,933	2.1	44,242	762	99.994	44,239	0	0	0
10/02/2009	94,599	47	44,461	94,599	2.1	44,461	762	99.994	44,458	0	0	0
11/02/2009	94,574	46.9	44,355	94,574	2.1	44,355	762	99.994	44,352	0	0	0
12/02/2009	93,922	47.1	44,237	93,922	2.1	44,237	762	99.994	44,234	0	0	0
13/02/2009	93,153	47.1	43,875	93,153	2.1	43,875	762	99.994	43,872	0	0	0
14/02/2009	92,617	46.9	43,437	92,617	2.1	43,437	762	99.994	43,434	0	0	0
15/02/2009	92,289	46.6	43,006	92,289	2.1	43,006	762	99.994	43,003	0	0	0
16/02/2009	91,762	46.7	42,852	91,762	2.1	42,852	762	99.994	42,849	0	0	0



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17/02/2009	89,048	47	41,852	89,048	2.1	41,852	762	99.994	41,849	0	0	0
18/02/2009	91,830	47	43,160	91,830	2.1	43,160	760	99.994	43,157	0	0	0
19/02/2009	92,000	47.5	43,700	92,000	2.1	43,700	762	99.994	43,697	0	0	0
20/02/2009	92,056	47.3	43,542	92,056	2.1	43,542	762	99.994	43,539	0	0	0
21/02/2009	91,710	47.2	43,287	91,710	2.1	43,287	762	99.994	43,284	0	0	0
22/02/2009	90,949	47.3	43,018	90,949	2.1	43,018	762	99.994	43,015	0	0	0
23/02/2009	90,309	47.3	42,716	90,309	2.1	42,716	762	99.994	42,713	0	0	0
24/02/2009	91,198	47.7	43,501	91,198	2.1	43,501	762	99.994	43,498	0	0	0
25/02/2009	89,208	47.5	42,373	89,208	2.1	42,373	762	99.994	42,370	0	0	0
26/02/2009	93,727	47	44,051	93,727	2.1	44,051	762	99.994	44,048	0	0	0
27/02/2009	93,611	47.4	44,371	93,611	2.1	44,371	762	99.994	44,368	0	0	0
28/02/2009	93,185	47.5	44,262	93,185	2.1	44,262	762	99.994	44,259	0	0	0
01/03/2009	92,217	47.3	43,618	92,217	2.1	43,618	762	99.994	43,615	0	0	0
02/03/2009	92,201	47.2	43,518	92,201	2.1	43,518	762	99.994	43,515	0	0	0
03/03/2009	90,630	47.2	42,777	90,630	2.1	42,777	762	99.994	42,774	0	0	0
04/03/2009	94,874	46.9	44,495	94,874	2.1	44,495	762	99.994	44,492	0	0	0
05/03/2009	95,989	47.3	45,402	95,989	2.1	45,402	762	99.994	45,399	0	0	0
06/03/2009	98,234	47.2	46,366	98,234	2.1	46,366	762	99.994	46,363	0	0	0



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07/03/2009	98,883	47.2	46,672	98,883	2.1	46,672	762	99.994	46,669	0	0	0
08/03/2009	98,256	47.3	46,475	98,256	2.1	46,475	762	99.994	46,472	0	0	0
09/03/2009	94,284	47.7	44,973	94,284	2.1	44,973	763	99.994	44,970	0	0	0
10/03/2009	99,575	47.1	46,899	99,575	2.1	46,899	762	99.994	46,896	0	0	0
11/03/2009	100,759	46.8	47,155	100,759	2.1	47,155	762	99.994	47,152	0	0	0
12/03/2009	100,796	46.7	47,071	100,796	2.1	47,071	762	99.994	47,068	0	0	0
13/03/2009	101,605	46.9	47,652	101,605	2.1	47,652	762	99.994	47,649	0	0	0
14/03/2009	102,107	46.9	47,888	102,107	2.1	47,888	762	99.994	47,885	0	0	0
15/03/2009	101,682	46.8	47,587	101,682	2.1	47,587	762	99.994	47,584	0	0	0
16/03/2009	99,140	47	46,595	99,140	2.1	46,595	762	99.994	46,592	0	0	0
17/03/2009	99,370	47.1	46,803	99,370	2.1	46,803	762	99.994	46,800	0	0	0
18/03/2009	100,146	47	47,068	100,146	2.1	47,068	762	99.994	47,065	0	0	0
19/03/2009	96,758	47.3	45,766	96,758	2.1	45,766	762	99.994	45,763	0	0	0
20/03/2009	86,015	48	41,287	86,015	2.1	41,287	762	99.994	41,284	0	0	0
21/03/2009	99,784	47.4	47,297	99,784	2.1	47,297	762	99.994	47,294	0	0	0
22/03/2009	97,187	46.8	45,483	97,187	2.1	45,483	762	99.994	45,480	0	0	0
23/03/2009	97,764	47	45,949	97,764	2.1	45,949	762	99.994	45,946	0	0	0
24/03/2009	98,648	47.4	46,759	98,648	2.1	46,759	762	99.994	46,756	0	0	0



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25/03/2009	97,734	47.6	46,521	97,734	2.1	46,521	762	99.994	46,518	0	0	0
26/03/2009	95,962	47.4	45,485	95,962	2.1	45,485	762	99.994	45,482	0	0	0
27/03/2009	84,934	47.8	40,598	84,934	2.1	40,598	761	99.994	40,595	0	0	0
28/03/2009	95,380	47.7	45,496	95,380	2.1	45,496	762	99.994	45,493	0	0	0
29/03/2009	99,864	47.2	47,135	99,864	2.1	47,135	762	99.994	47,132	0	0	0
30/03/2009	93,658	47.9	44,862	93,658	2.1	44,862	762	99.994	44,859	0	0	0
31/03/2009	97,893	48.1	47,086	97,893	2.1	47,086	762	99.994	47,083	0	0	0
01/04/2009	96,718	48.3	46,714	96,718	2.1	46,714	762	99.994	46,711	0	0	0
02/04/2009	99,747	48.5	48,377	99,747	2.1	48,377	762	99.994	48,374	0	0	0
03/04/2009	98,686	48.4	47,764	98,686	2.1	47,764	762	99.994	47,761	0	0	0
04/04/2009	99,715	48.3	48,162	99,715	2.1	48,162	762	99.994	48,159	0	0	0
05/04/2009	99,326	48.4	48,073	99,326	2.1	48,073	762	99.994	48,070	0	0	0
06/04/2009	95,130	49	46,613	95,130	2.1	46,613	762	99.994	46,610	0	0	0
07/04/2009	98,268	49.4	48,544	98,268	2.1	48,544	762	99.994	48,541	0	0	0
08/04/2009	104,384	48.8	50,939	104,384	2.1	50,939	762	99.994	50,935	0	0	0
09/04/2009	103,717	48.2	49,991	103,717	2.1	49,991	762	99.994	49,988	0	0	0
10/04/2009	102,358	48.7	49,848	102,358	2.1	49,848	762	99.994	49,845	0	0	0
11/04/2009	99,747	48.6	48,477	99,747	2.1	48,477	762	99.994	48,474	0	0	0



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12/04/2009	102,523	48.1	49,313	102,523	2.1	49,313	762	99.994	49,310	0	0	0
13/04/2009	103,371	48.5	50,134	103,371	2.1	50,134	762	99.994	50,130	0	0	0
14/04/2009	99,173	48.7	48,297	99,173	2.1	48,297	764	99.994	48,294	0	0	0
15/04/2009	104,178	48.2	50,213	104,178	2.1	50,213	762	99.994	50,209	0	0	0
16/04/2009	104,057	48.6	50,571	104,057	2.1	50,571	762	99.994	50,567	0	0	0
17/04/2009	100,644	49	49,315	100,644	2.1	49,315	762	99.994	49,312	0	0	0
18/04/2009	102,616	48.7	49,973	102,616	2.1	49,973	762	99.994	49,970	0	0	0
19/04/2009	104,874	48	50,339	104,874	2.1	50,339	762	99.994	50,335	0	0	0
20/04/2009	105,770	48.1	50,875	105,770	2.1	50,875	762	99.994	50,871	0	0	0
21/04/2009	100,698	48.2	48,536	100,698	2.1	48,536	762	99.994	48,533	0	0	0
22/04/2009	99,030	48.8	48,326	99,030	2.1	48,326	762	99.994	48,323	0	0	0
23/04/2009	99,653	48.6	48,431	99,653	2.1	48,431	762	99.994	48,428	0	0	0
24/04/2009	109,174	48.6	53,058	109,174	2.1	53,058	762	99.994	53,054	0	0	0
25/04/2009	107,727	48.3	52,032	107,727	2.1	52,032	762	99.994	52,028	0	0	0
26/04/2009	107,232	48.2	51,685	107,232	2.1	51,685	762	99.994	51,681	0	0	0
27/04/2009	105,985	48.3	51,190	105,985	2.1	51,190	762	99.994	51,186	0	0	0
28/04/2009	88,659	48.8	43,265	88,659	2.1	43,265	762	99.994	43,262	0	0	0
29/04/2009	108,809	47.7	51,901	108,809	2.1	51,901	762	99.994	51,897	0	0	0



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30/04/2009	109,168	47.9	52,291	109,168	2.1	52,291	762	99.994	52,287	0	0	0
01/05/2009	109,933	48	52,767	109,933	2.1	52,767	763	99.994	52,763	0	0	0
02/05/2009	107,260	48.2	51,699	107,260	2.1	51,699	762	99.994	51,695	0	0	0
03/05/2009	78,821	48.1	37,912	78,821	2.1	37,912	764	99.994	37,909	0	0	0
04/05/2009	106,210	48	50,980	106,210	2.1	50,980	762	99.994	50,976	0	0	0
05/05/2009	107,703	48.3	52,020	107,703	2.1	52,020	762	99.994	52,016	0	0	0
06/05/2009	108,938	48.4	52,725	108,938	2.1	52,725	762	99.994	52,721	0	0	0
07/05/2009	108,895	48.1	52,378	108,895	2.1	52,378	762	99.994	52,374	0	0	0
08/05/2009	107,634	48.7	52,417	107,634	2.1	52,417	762	99.994	52,413	0	0	0
09/05/2009	107,642	48.7	52,421	107,642	2.1	52,421	762	99.994	52,417	0	0	0
10/05/2009	106,141	48.8	51,796	106,141	2.1	51,796	762	99.994	51,792	0	0	0
11/05/2009	108,879	48.7	53,024	108,879	2.1	53,024	762	99.994	53,020	0	0	0
12/05/2009	107,803	48.9	52,715	107,803	2.1	52,715	762	99.994	52,711	0	0	0
13/05/2009	104,813	49.2	51,567	104,813	2.1	51,567	762	99.994	51,563	0	0	0
14/05/2009	108,480	49	53,155	108,480	2.1	53,155	762	99.994	53,151	0	0	0
15/05/2009	93,988	49.4	46,430	93,988	2.1	46,430	764	99.994	46,427	0	0	0
16/05/2009	105,468	49.3	51,995	105,468	2.1	51,995	762	99.994	51,991	0	0	0
17/05/2009	104,451	49.3	51,494	104,451	2.1	51,494	762	99.994	51,490	0	0	0



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18/05/2009	103,600	49.2	50,971	103,600	2.1	50,971	762	99.994	50,967	0	0	0
19/05/2009	103,787	49	50,855	103,787	2.1	50,855	762	99.994	50,851	0	0	0
20/05/2009	105,398	48.6	51,223	105,398	2.1	51,223	762	99.994	51,219	0	0	0
21/05/2009	105,836	48.6	51,436	105,836	2.1	51,436	762	99.994	51,432	0	0	0
22/05/2009	105,135	48.7	51,200	105,135	2.1	51,200	762	99.994	51,196	0	0	0
23/05/2009	102,661	48.6	49,893	102,661	2.1	49,893	762	99.994	49,890	0	0	0
24/05/2009	102,743	49	50,344	102,743	2.1	50,344	762	99.994	50,340	0	0	0
25/05/2009	87,651	48.9	42,861	87,651	2.1	42,861	762	99.994	42,858	0	0	0
26/05/2009	104,650	49.2	51,487	104,650	2.1	51,487	762	99.994	51,483	0	0	0
27/05/2009	103,180	49.6	51,177	103,180	2.1	51,177	762	99.994	51,173	0	0	0
28/05/2009	102,584	49.8	51,086	102,584	2.1	51,086	762	99.994	51,082	0	0	0
29/05/2009	102,099	49.5	50,539	102,099	2.1	50,539	762	99.994	50,535	0	0	0
30/05/2009	101,839	49.5	50,410	101,839	2.1	50,410	762	99.994	50,406	0	0	0
31/05/2009	101,102	49.3	49,843	101,102	2.1	49,843	762	99.994	49,840	0	0	0
01/06/2009	101,545	49.5	50,264	101,545	2.1	50,264	762	99.994	50,260	0	0	0
02/06/2009	63,643	50.2	31,948	63,643	2.1	31,948	765	99.994	31,946	0	0	0
03/06/2009	98,280	49.2	48,353	98,280	2.1	48,353	763	99.994	48,350	0	0	0
04/06/2009	107,961	49.1	53,008	107,961	2.1	53,008	762	99.994	53,004	0	0	0



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05/06/2009	105,870	49	51,876	105,870	2.1	51,876	762	99.994	51,872	0	0	0
06/06/2009	106,457	49.6	52,802	106,457	2.1	52,802	762	99.994	52,798	0	0	0
07/06/2009	103,047	50.2	51,729	103,047	2.1	51,729	762	99.994	51,725	0	0	0
08/06/2009	101,495	49.7	50,443	101,495	2.1	50,443	762	99.994	50,439	0	0	0
09/06/2009	103,694	49.7	51,535	103,694	2.1	51,535	762	99.994	51,531	0	0	0
10/06/2009	105,312	49.8	52,445	105,312	2.1	52,445	762	99.994	52,441	0	0	0
11/06/2009	105,726	49.5	52,334	105,726	2.1	52,334	762	99.994	52,330	0	0	0
12/06/2009	105,767	49.9	52,777	105,767	2.1	52,777	762	99.994	52,773	0	0	0
13/06/2009	104,382	50	52,191	104,382	2.1	52,191	762	99.994	52,187	0	0	0
14/06/2009	98,299	49.8	48,952	98,299	2.1	48,952	762	99.994	48,949	0	0	0
15/06/2009	98,363	50.3	49,476	98,363	2.1	49,476	762	99.994	49,473	0	0	0
16/06/2009	98,614	50.7	49,997	98,614	2.1	49,997	762	99.994	49,994	0	0	0
17/06/2009	103,236	50.1	51,721	103,236	2.1	51,721	763	99.994	51,717	0	0	0
18/06/2009	100,964	50.8	51,289	100,964	2.1	51,289	763	99.994	51,285	0	0	0
19/06/2009	73,358	50.3	36,899	73,358	2.1	36,899	762	99.994	36,896	0	0	0
20/06/2009	93,222	51	47,543	93,222	2.1	47,543	761	99.994	47,540	0	0	0
21/06/2009	95,864	51.4	49,274	95,864	2.1	49,274	762	99.994	49,271	0	0	0
22/06/2009	95,015	51.2	48,647	95,015	2.1	48,647	762	99.994	48,644	0	0	0



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23/06/2009	95,635	50.5	48,295	95,635	2.1	48,295	762	99.994	48,292	0	0	0
24/06/2009	94,013	50.2	47,194	94,013	2.1	47,194	762	99.994	47,191	0	0	0
25/06/2009	88,243	50.3	44,386	88,243	2.1	44,386	762	99.994	44,383	0	0	0
26/06/2009	85,105	50.5	42,978	85,105	2.1	42,978	762	99.994	42,975	0	0	0
27/06/2009	85,061	50.4	42,870	85,061	2.1	42,870	762	99.994	42,867	0	0	0
28/06/2009	93,677	51.4	48,149	93,677	2.1	48,149	762	99.994	48,146	0	0	0
29/06/2009	79,143	52.6	41,629	79,143	2.1	41,629	762	99.994	41,626	0	0	0
30/06/2009	90,752	52.4	47,554	90,752	2.1	47,554	762	99.994	47,551	0	0	0
01/07/2009	92,748	50.7	47,023	92,748	2.1	47,023	762	99.994	47,020	0	0	0
02/07/2009	90,358	50.4	45,540	90,358	2.1	45,540	762	99.994	45,537	0	0	0
03/07/2009	88,856	50.4	44,783	88,856	2.1	44,783	762	99.994	44,780	0	0	0
04/07/2009	89,459	50.4	45,087	89,459	2.1	45,087	762	99.994	45,084	0	0	0
05/07/2009	88,817	50.2	44,586	88,817	2.1	44,586	762	99.994	44,583	0	0	0
06/07/2009	88,758	50.1	44,467	88,758	2.1	44,467	762	99.994	44,464	0	0	0
07/07/2009	88,012	50.2	44,182	88,012	2.1	44,182	762	99.994	44,179	0	0	0
08/07/2009	81,720	50.6	41,350	81,720	2.1	41,350	762	99.994	41,347	0	0	0
09/07/2009	75,805	50.3	38,129	75,805	2.1	38,129	762	99.994	38,126	0	0	0
10/07/2009	89,918	49.1	44,149	89,918	2.1	44,149	762	99.994	44,146	0	0	0



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11/07/2009	84,255	50	42,127	84,255	2.1	42,127	763	99.994	42,124	0	0	0
12/07/2009	85,368	49.8	42,513	85,368	2.1	42,513	762	99.994	42,510	0	0	0
13/07/2009	86,077	49.7	42,780	86,077	2.1	42,780	762	99.994	42,777	0	0	0
14/07/2009	81,506	49.3	40,182	81,506	2.1	40,182	763	99.994	40,179	0	0	0
15/07/2009	81,691	49.9	40,763	81,691	2.1	40,763	761	99.994	40,760	0	0	0
16/07/2009	81,134	49.7	40,323	81,134	2.1	40,323	763	99.994	40,320	0	0	0
17/07/2009	85,391	49.4	42,183	85,391	2.1	42,183	762	99.994	42,180	0	0	0
18/07/2009	95,181	49.5	47,114	95,181	2.1	47,114	762	99.994	47,111	0	0	0
19/07/2009	95,242	49.9	47,525	95,242	2.1	47,525	762	99.994	47,522	0	0	0
20/07/2009	93,954	50.3	47,258	93,954	2.1	47,258	762	99.994	47,255	0	0	0
21/07/2009	90,113	50.1	45,146	90,113	2.1	45,146	762	99.994	45,143	0	0	0
22/07/2009	93,903	50.8	47,702	93,903	2.1	47,702	762	99.994	47,699	0	0	0
23/07/2009	94,200	49.8	46,911	94,200	2.1	46,911	762	99.994	46,908	0	0	0
24/07/2009	93,195	49.7	46,317	93,195	2.1	46,317	762	99.994	46,314	0	0	0
25/07/2009	92,098	49.9	45,956	92,098	2.1	45,956	762	99.994	45,953	0	0	0
26/07/2009	91,196	49.9	45,506	91,196	2.1	45,506	762	99.994	45,503	0	0	0
27/07/2009	90,958	50.1	45,569	90,958	2.1	45,569	762	99.994	45,566	0	0	0
28/07/2009	82,768	50.2	41,549	82,768	2.1	41,549	762	99.994	41,546	0	0	0



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29/07/2009	91,350	50.2	45,857	91,350	2.1	45,857	762	99.994	45,854	0	0	0
30/07/2009	92,349	50.4	46,543	92,349	2.1	46,543	762	99.994	46,540	0	0	0
31/07/2009	91,025	50.2	45,694	91,025	2.1	45,694	762	99.994	45,691	0	0	0
01/08/2009	92,743	49.7	46,093	92,743	2.1	46,093	762	99.994	46,090	0	0	0
02/08/2009	91,042	50.3	45,794	91,042	2.1	45,794	762	99.994	45,791	0	0	0
03/08/2009	88,779	50.5	44,833	88,779	2.1	44,833	762	99.994	44,830	0	0	0
04/08/2009	93,420	50	46,710	93,420	2.1	46,710	762	99.994	46,707	0	0	0
05/08/2009	100,922	50.3	50,763	100,922	2.1	50,763	762	99.994	50,759	0	0	0
06/08/2009	94,083	51.3	48,264	94,083	2.1	48,264	762	99.994	48,261	0	0	0
07/08/2009	99,017	50.7	50,201	99,017	2.1	50,201	762	99.994	50,197	0	0	0
08/08/2009	102,118	50.9	51,978	102,118	2.1	51,978	762	99.994	51,974	0	0	0
09/08/2009	101,733	50.9	51,782	101,733	2.1	51,782	762	99.994	51,778	0	0	0
10/08/2009	100,494	51	51,251	100,494	2.1	51,251	762	99.994	51,247	0	0	0
11/08/2009	97,756	51.3	50,148	97,756	2.1	50,148	762	99.994	50,144	0	0	0
12/08/2009	99,559	51.7	51,472	99,559	2.1	51,472	762	99.994	51,468	0	0	0
13/08/2009	101,134	51.8	52,387	101,134	2.1	52,387	762	99.994	52,383	0	0	0
14/08/2009	100,025	50.6	50,612	100,025	2.1	50,612	763	99.994	50,608	0	0	0
15/08/2009	67,099	52	34,891	67,099	2.1	34,891	762	99.994	34,888	0	0	0




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<i>Time Stamp</i>	<i>LFG Collected (N.m3)</i>	<i>Methane (%)</i>	<i>Methane Collected (N.m3)</i>	<i>LFG Sent To Flares (N.m3)</i>	<i>Methane Exhaust Gas (ppm)</i>	<i>Methane Sent To Flares (N.m3)</i>	<i>Temperature Process (°C)</i>	<i>Flare Efficiency (%)</i>	<i>Methane Destroyed (N.m3)</i>	<i>Biogas to electricity (N.m3)</i>	<i>Methane sent To electricity (N.m3/day)</i>	<i>Electricity Exported (MWh)</i>
16/08/2009	61,685	53.7	33,124	61,685	2.1	33,124	762	99.994	33,122	0	0	0
17/08/2009	87,385	52.3	45,702	87,385	2.1	45,702	764	99.994	45,699	0	0	0
18/08/2009	81,919	52.4	42,925	81,919	2.1	42,925	763	99.994	42,922	0	0	0
19/08/2009	80,233	52.3	41,961	80,233	2.1	41,961	763	99.994	41,958	0	0	0
20/08/2009	89,364	51.4	45,933	89,364	2.1	45,933	774	99.994	45,930	0	0	0
21/08/2009	89,523	51.6	46,193	89,523	2.1	46,193	776	99.994	46,190	0	0	0
22/08/2009	89,798	51.8	46,515	89,798	2.1	46,515	764	99.994	46,512	0	0	0
23/08/2009	88,494	51.9	45,928	88,494	2.1	45,928	763	99.994	45,925	0	0	0
24/08/2009	58,188	52.3	30,432	58,188	2.1	30,432	763	99.994	30,430	0	0	0
25/08/2009	96,044	50.6	48,598	96,044	2.1	48,598	762	99.994	48,595	0	0	0
26/08/2009	94,459	50.6	47,796	94,459	2.1	47,796	762	99.994	47,793	0	0	0
27/08/2009	94,185	50.7	47,751	94,185	2.1	47,751	762	99.994	47,748	0	0	0
28/08/2009	92,709	50.6	46,910	92,709	2.1	46,910	762	99.994	46,907	0	0	0
29/08/2009	94,969	50	47,484	94,969	2.1	47,484	762	99.994	47,481	0	0	0
30/08/2009	94,187	49.9	46,999	94,187	2.1	46,999	762	99.994	46,996	0	0	0
31/08/2009	93,561	50.4	47,154	93,561	2.1	47,154	762	99.994	47,151	0	0	0
Totals	47,730,717	48.4	23,133,802	47,730,717	2.1	23,133,802	759	99.994	23,132,212	0	0	0

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B.2.5 Data concerning leakage (referring to paragraph (53 c)):


According with ACM0001- version 04 and the registered PDD, no leakage needs to be considered.

B.3 Data processing and archiving (incl. software used).

Data processing and archiving is done by an automatic control system.

B.4 Special event log:

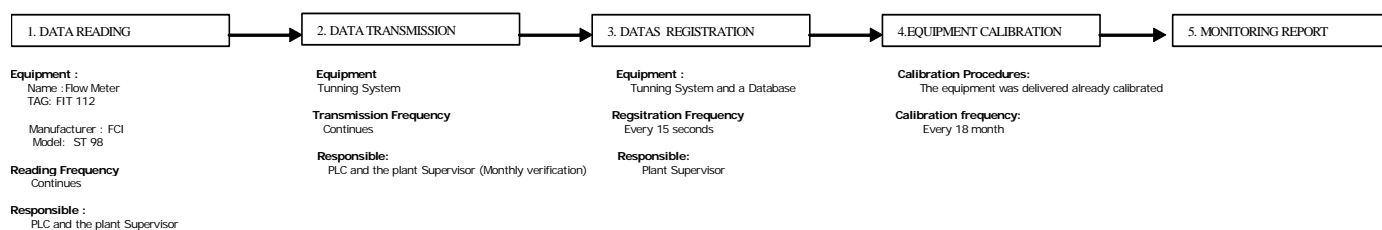
All the flare shoot downs are registered by the automatic control system, as required by the quality assurance system.

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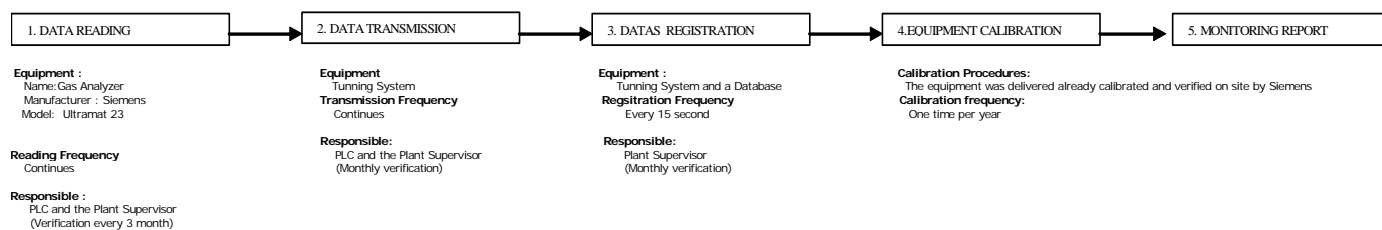
SECTION C. QUALITY ASSURANCE AND QUALITY CONTROL MEASURES.

C.1.1 Roles and responsibilities

Total Flow



Methane Concentration




C.1.2 Trainings

All training was supplied before project start up. The company has a training plan for the current year.

C.3 Internal audits and control measures:

This information is on A.6

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SECTION D. CALCULATION OF GHG EMISSION REDUCTIONS

D.1. Table providing the used formulas

Methane

The GHG emission reduction associated with methane destruction achieved by the project activity during a given year “y” (ERM_y) is defined as: .

$$ERM_y = (MD_{project,y} - MD_{reg,y}) \cdot GWP_{CH_4} \quad (1)$$

Where:

ERM_y is measured in tones of CO₂ equivalent (tCO_{2e})

$MD_{project,y}$ and $MD_{reg,y}$ are measured in tones of methane (tCH₄)

$$GWP_{CH_4} = 21 \text{ tCO}_{2e}/\text{tCH}_4$$

Since there are no legal requirements to capture and flare landfill gas in Chile, in recent years a small amount of landfill gas has been collected and flared at the project site. In order to be conservative, the three-year average (2002-2004) mass of methane captured and flared has being considered as baseline (245 tones methane per year)

The methane destroyed by the project activity ($MD_{project,y}$) during a year is determined by monitoring the quantity of methane actually flared or otherwise combusted for electricity generation:

$$MD_{project,y} = MD_{flared,y} + MD_{electricity,y} + MD_{sold,y} \quad (3)$$

According our PDD we have three options for the biogas collected: Flaring, electricity generation, and sold the biogas to another process. Actually we are only flaring the biogas.

Hence:

MD electricity = 0


This project hasn't electricity generation during this period

MD sold = 0

This Project don't sell biogas for others uses or clients during this period.

$$MD_{flared,y} = LFG_{flare,y} \cdot w_{CH_4,y} \cdot D_{CH_4} \cdot FE \quad (4)$$

Where:

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$MD_{flared,y}$ is the quantity of methane destroyed by flaring during the year, measured in cubic meters (m^3)

$LFG_{flared,y}$ is the quantity of landfill gas flared or during the year measured in cubic meters (m^3)

$w_{CH_4,y}$ is the average methane fraction of the landfill gas as measured during the year and expressed as a fraction (in m^3CH_4/m^3LFG)

FE is the flare efficiency (the fraction of the methane destroyed).

D_{CH_4} is the methane density expressed in tones of methane per cubic meter of methane (tCH_4/m^3CH_4).

For calculate the flare efficiency we propose the next formula based in a mass balance between methane inlet and methane in the exhaust gases.

(1)

$$FE = 1 - \frac{M_{nd,kg/h}}{MD_{flared,kg/h}}$$

This formula is according to EB 28 Annex13.

Where:

$MD_{flared,kg/h}$ is quantity of methane sent to flare in kg/hour (2)

$M_{nd,kg/h}$ is the quantity of methane non destroyed in kg/hour (3)

Flare efficiency N°1


During this period there has been made three measures, for the flare efficiency calculation was used the measure with highest quantity of methane in the exhaust gas, in order to be more conservative.

The measure was taken 20/08/2008, the concentration of methane in exhaust gases was 1,9 mg/m^3n and flow of exhaust gases was 55,710 m^3n/hr .

$$M_{nd,kg/h} = \frac{1.9mg/m^3n \cdot 55,710m^3n/hr}{1,000,000Kg/gr} = 0.105kg_{CH_4}/hour$$

$$MD_{flared,kg/h} = LFG_{flared,m^3/h} \cdot w_{CH_4,day_average} \cdot D_{CH_4} \cdot 1000 \frac{kg}{ton} \quad (2)$$

$MD_{flared,kg/h}$	$LFG_{flared,m^3/h}$	$w_{CH_4,day_average}$	D_{CH_4}
1,178.0920 kg/h	3,324 $n,m^3/h$	49.5 %	0.000716 t/m^3

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(3)

$M_{nd,kg/h}$
0.105 kg/h

Considering this, the flare efficiency is:

(1)

$$FE = 1 - \frac{M_{nd,kg/h}}{MD_{flared,kg/h}}$$

$$FE_1 = 1 - \frac{0.105kg/h}{1,178.0920kg/h}$$

FE_1
0.999910

Flare efficiency N° 2

In the case of flare No. 2, there has been made two measures, and for this flare efficiency calculation was used the measure with highest quantity of methane in the exhaust gas too, in order to be more conservative.


The measure was taken 01/10/2008, the concentration of methane in exhaust gases was 1,4 mg/m³n and flow of exhaust gases was 49,282 m³n/hr.

$$M_{nd,kg/h} = \frac{1.4mg/m^3n \cdot 49,282m^3n/hr}{1,000,000Kg/gr} = 0.068kg_{CH_4}/hour$$

$$MD_{flared,kg/h} = LFG_{flared,m^3/h} \cdot w_{CH_4,day_average} \cdot D_{CH_4} \cdot 1000 \frac{kg}{ton} \quad (2)$$

$MD_{flared,kg/h}$	$LFG_{flared,m^3/h}$	$w_{CH_4,day_average}$	D_{CH_4}
1,160.9224 kg/h	3,350 n,m ³ /h	48.4 %	0.000716 t/m ³

(3)

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$M_{nd,kg/h}$
0.068 kg/h

Considering the above mentioned, flare efficiency is: (1)

$$FE = 1 - \frac{M_{nd,kg/h}}{MD_{flared,kg/h}}$$

$$FE_2 = 1 - \frac{0.068kg/hr}{1,160.9224kg/hr}$$

FE_2
0.999940

D.2. Uncertainties and error propagation

Key variables are constantly measured by a flowmeter and a gas analyzer. Data is recorded every 15 seconds on the PLC and every 1 minute on the Data Recorder. Specifications for the measurement instruments are:


Variable	Instrument	Manufacturer	Model	Error (%)	
Methane concentration	Gas analyzer	Siemens	Ultramat 23	±1.0 %	α
Flow	Flow meter	FCI	ST-98-23CTO2BAOFA	± 1% reading+0.5% full scale	β

System uncertainty

System uncertainty (ε) is defined by the expression:

$$\varepsilon = \sqrt{(\alpha)^2 + (\beta)^2} (\%)$$

$$\text{Where } \alpha = 1.0 (\%) \text{ and } \beta = \frac{(0.01 \times \bar{Q} + 0.005 \times Q_{MAX})}{\bar{Q}} \bullet 100 (\%).$$

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\bar{Q} is the average recorded flow, calculated with the records of the report period, and Q_{MAX} is the maximum flow reading for the instrument. In this case, $Q_{MAX} = 5,097 \text{ m}^3/\text{h}$.

Instruments accuracies are provided by the SCAB supervisor, as inputs to the automatic control system, before the generation of each CO_{2e} report. When the accuracy is an absolute value (Gas Analyzer) the figure is kept on the system and is checked on the generation of every new report. When the accuracy is a relative value (Flowmeter), the figure is tipped by the SCAB supervisor for every report generation, considering the average flow of the period.

Flow meter error (flare N°1)

Period	Hours	Flow m3/h	Q mean	error %	deviation
March-08	447.983	1,201,529.00	2,682.09	1.95	52.306
April-08	700.270	1,690,288.00	2,413.77	2.06	49.623
May-08	727.383	1,800,054.00	2,474.70	2.03	50.232
June-08	715.862	2,068,020.00	2,888.85	1.88	54.374
July-08	734.150	2,221,490.00	3,025.93	1.84	55.744
August-08	742.408	2,396,367.00	3,227.83	1.79	57.763
September-08	709.491	2,381,234.00	3,356.26	1.76	59.048
October-08	729.487	2,482,627.00	3,403.25	1.75	59.518
November-08	707.420	2,466,707.00	3,486.91	1.73	60.354
December-08	734.716	2,568,551.00	3,495.98	1.73	60.445
January-09	732.216	2,333,228.00	3,186.53	1.80	57.350
February-09	665.462	2,150,631.00	3,231.79	1.79	57.803
March-09	733.108	2,613,524.00	3,564.99	1.71	61.135
April-09	706.541	2,810,509.00	3,977.84	1.64	65.263
May-09	734.425	2,932,746.00	3,993.25	1.64	65.418
June-09	703.716	2,596,924.00	3,690.30	1.69	62.388
July-09	736.470	2,348,715.00	3,189.15	1.80	57.377
August-09	722.625	2,411,015.00	3,336.47	1.76	58.850
Total	12,683.73	41,474,159.00			

Average Flow of this period: $3,269.87 \text{ m}^3/\text{h}$


Average deviation of this period: $58.18 \text{ m}^3/\text{h}$

Flow meter error of this period: 1.78%

System error: $\varepsilon = \sqrt{(1)^2 + (1.78)^2} (\%) = 2.041\%$

In order to be conservative in the calculations of claimed CERs the system error is approached to 2.041%

Therefore, Conservative System error: 2.05%

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Significant figures

Significant figures correspond to each instrument precision.

Gas Analyzer significant figures are 3

Flow meter significant figures are 4

Flow meter error (flare N°2)

Period	hours	Flow m3/h	Q mean	error %	deviation
March-08	409.950	1,080,706.00	1,550.65	2.64	40.992
April-08	696.937	1,879,410.00	2,608.56	1.98	51.571
May-08	720.479	2,040,519.00	3,002.02	1.85	55.505
June-08	679.716	2,187,763.00	3,030.11	1.84	55.786
July-08	722.008	2,650,129.00	3,596.73	1.71	61.452
August-08	736.816	2,938,574.00	4,183.72	1.61	67.322
September-08	702.383	2,924,709.00	4,011.84	1.64	65.603
October-08	729.020	3,110,577.00	4,408.50	1.58	69.570
November-08	705.587	3,000,630.00	4,252.67	1.60	68.012
December-08	731.120	2,898,358.00	3,964.27	1.64	65.128
January-09	729.420	2,719,192.00	3,727.88	1.68	62.764
February-09	663.491	2,575,585.00	3,881.87	1.66	64.304
March-09	731.408	3,002,329.00	4,104.86	1.62	66.534
April-09	703.358	3,061,137.00	4,352.17	1.59	69.007
May-09	728.608	3,215,324.00	4,412.97	1.58	69.615
June-09	700.545	2,881,743.00	4,113.57	1.62	66.621
July-09	733.470	2,747,405.00	3,745.76	1.68	62.943
August-09	717.950	2,816,627.00	3,923.15	1.65	64.717
Total	12,542.266	47,730,717.00			

Average Flow of this period: 3,805.58 m³/h


Average deviation of this period: 63.54 m³/h

Flow meter error of this period: 1.67%

System error: $\varepsilon = \sqrt{(1)^2 + (1.67)^2} (\%) = 1.946\%$

In order to be conservative in the calculations of claimed CERs the system error is approached to 1.946%

Therefore, Conservative System error: 1.95%

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Significant figures

Significant figures correspond to each instrument precision.

Gas Analyzer significant figures are 3.


Flow meter significant figures are 4.

D.3. GHG emission reductions

D.3.1. Project emissions

The fuel oil consumed in the verification period is 18,082 liters or 15,369.70 kg.

Period		Fuel or Energy	Emission Factor	Quantity liters	Quantity Kg	Calorific power kj/kg	Energy Tj	Tons of CO _{2e}
13-03-2008	31-03-2008	Fuel oil	74,1 tCO _{2e} /TJ	738	627.30	43,000	0.0270	2.0007
01-04-2008	30-04-2008	Fuel oil	74,1 tCO _{2e} /TJ	1,140	969.00	43,000	0.0417	3.0900
01-05-2008	31-05-2008	Fuel oil	74,1 tCO _{2e} /TJ	1,551	1,318.35	43,000	0.0567	4.2015
01-06-2008	30-06-2008	Fuel oil	74,1 tCO _{2e} /TJ	1,261	1,071.85	43,000	0.0461	3.4161
01-07-2008	31-07-2008	Fuel oil	74,1 tCO _{2e} /TJ	3,292	2,798.20	43,000	0.1204	8.9217
01-08-2008	31-08-2008	Fuel oil	74,1 tCO _{2e} /TJ	2,347	1,994.95	43,000	0.0858	6.3578
01-09-2008	30-09-2008	Fuel oil	74,1 tCO _{2e} /TJ	1,283	1,090.55	43,000	0.0469	3.4753
01-10-2008	31-10-2008	Fuel oil	74,1 tCO _{2e} /TJ	1,235	1,049.75	43,000	0.0452	3.3494
01-11-2008	30-11-2008	Fuel oil	74,1 tCO _{2e} /TJ	1,363	1,158.55	43,000	0.0499	3.6976
01-12-2008	31-12-2008	Fuel oil	74,1 tCO _{2e} /TJ	1,415	1,202.75	43,000	0.0518	3.8384
01-01-2009	31-01-2009	Fuel oil	74,1 tCO _{2e} /TJ	231	196.35	43,000	0.0085	0.6299
01-02-2009	28-02-2009	Fuel oil	74,1 tCO _{2e} /TJ	0	0.00	43,000	0.0000	0.0000
01-03-2009	31-03-2009	Fuel oil	74,1 tCO _{2e} /TJ	0	0.00	43,000	0.0000	0.0000
01-04-2009	30-04-2009	Fuel oil	74,1 tCO _{2e} /TJ	0	0.00	43,000	0.0000	0.0000
01-05-2009	31-05-2009	Fuel oil	74,1 tCO _{2e} /TJ	1,963	1,668.55	43,000	0.0718	5.3204
01-06-2009	30-06-2009	Fuel oil	74,1 tCO _{2e} /TJ	182	154.70	43,000	0.0067	0.4965
01-07-2009	31-07-2009	Fuel oil	74,1 tCO _{2e} /TJ	81	68.85	43,000	0.0030	0.2223
01-08-2009	31-08-2009	Fuel oil	74,1 tCO _{2e} /TJ	0	0.00	43,000	0.0000	0.0000
Total				18,082	15,369.70		0.6615	49.0176

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Note:

The generator that consumed full oil, left functions on January 2009 because the electric pumps were replaced with pneumatic pumps.

The electric pumps that remained active are now connected directly to the SCAB plant.

The Pilot gas consumed in the verification period is 180 kg.

The net MWh consumed in the verification period is 551.593 MWh.

The project emissions during this period are:

Fuel or Energy	Emission Factor	Quantity	Calorific power kJ/kg	Energy Tj	Tons of CO _{2e}
Fuel oil	74.1 tCO _{2e} /TJ	15,369.70	43,000	0.6615	49.0176
Liquefied Petroleum Gases	63.1 tCO _{2e} /TJ	180 kg	47,300	0.0086	0.5427
Electricity	0.472	551.593			260.3519
Total Project emission tCO_{2e}					309.9122


D.3.2. Baseline emissions

According to PDD the base line is 245 tCH₄ per year. This is equivalent to 14.0959 tCO_{2e} per day, over a 365 days year basis.

Total tCO_{2e} of this monitoring period: 7,569.4983 tCO_{2e}.

D.3.3 Leakage (L):

L_{monitoring period} = 0

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D.3.4. Summary of the emissions reductions during the monitoring period

Flare N°1

Period		Methane sent to flare [m3]	Methane sent to flare [tons]	Total tCO2e
13-03-2008	31-03-2008	572,915.0000	410.2071	8,614.3491
01-04-2008	30-04-2008	804,335.0000	575.9038	12,093.9798
01-05-2008	31-05-2008	880,271.0000	630.2740	13,235.7540
01-06-2008	30-06-2008	1,022,791.0000	732.3183	15,378.6843
01-07-2008	31-07-2008	1,070,852.0000	766.7300	16,101.3300
01-08-2008	31-08-2008	1,173,416.0000	840.1658	17,643.4818
01-09-2008	30-09-2008	1,147,024.0000	821.2691	17,246.6511
01-10-2008	31-10-2008	1,195,828.0000	856.2128	17,980.4688
01-11-2008	30-11-2008	1,179,117.0000	844.2477	17,729.2017
01-12-2008	31-12-2008	1,208,299.0000	865.1420	18,167.9820
01-01-2009	31-01-2009	1,103,531.0000	790.1281	16,592.6901
01-02-2009	28-02-2009	1,015,589.0000	727.1617	15,270.3957
01-03-2009	31-03-2009	1,235,385.0000	884.5356	18,575.2476
01-04-2009	30-04-2009	1,362,378.0000	975.4626	20,484.7146
01-05-2009	31-05-2009	1,434,130.0000	1,026.8370	21,563.5770
01-06-2009	30-06-2009	1,306,222.0000	935.2549	19,640.3529
01-07-2009	31-07-2009	1,175,819.0000	841.8864	17,679.6144
01-08-2009	31-08-2009	1,232,683.0000	882.6010	18,534.6210
Total of period		20,120,585.0000	14,406.3388	302,533.1148

Flare N°2

Period		Methane sent to flare [m3]	Methane sent to flare [tons]	Total tCO2e
13-03-2008	31-03-2008	512,480.0000	366.9356	7,705.6476
01-04-2008	30-04-2008	894,034.0000	640.1283	13,442.6943
01-05-2008	31-05-2008	996,213.0000	713.2885	14,979.0585
01-06-2008	30-06-2008	1,077,761.0000	771.6768	16,205.2128
01-07-2008	31-07-2008	1,275,063.0000	912.9451	19,171.8471
01-08-2008	31-08-2008	1,438,340.0000	1,029.8514	21,626.8794
01-09-2008	30-09-2008	1,407,879.0000	1,008.0413	21,168.8673
01-10-2008	31-10-2008	1,497,997.0000	1,072.5658	22,523.8818
01-11-2008	30-11-2008	1,433,891.0000	1,026.6659	21,559.9839
01-12-2008	31-12-2008	1,362,723.0000	975.7096	20,489.9016
01-01-2009	31-01-2009	1,286,625.0000	921.2235	19,345.6935
01-02-2009	28-02-2009	1,216,035.0000	870.6810	18,284.3010
01-03-2009	31-03-2009	1,418,738.0000	1,015.8164	21,332.1444

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01-04-2009	30-04-2009	1,483,247.0000	1,062.0048	22,302.1008
01-05-2009	31-05-2009	1,570,820.0000	1,124.7071	23,618.8491
01-06-2009	30-06-2009	1,448,558.0000	1,037.1675	21,780.5175
01-07-2009	31-07-2009	1,374,814.0000	984.3668	20,671.7028
01-08-2009	31-08-2009	1,438,584.0000	1,030.0261	21,630.5481
Total of period		23,133,802.0000	16,563.8022	347,839.8462

The total tCO_{2e} claimed is:

$$Total_{tCO_2e, claimed} = [(Total_{tCO_2E} F1 * Flare_{efficiency} F_1) * (1 - System_{uncertainty} F1)] + [(Total_{tCO_2E} F2 * Flare_{efficiency} F_2) * (1 - System_{uncertainty} F2)] - Project_{emission} - Base_{line}$$

Where;

$Total_{tCO_2E} F1$ Total tCO_{2e} destroyed, flare N° 1.

$Total_{tCO_2E} F2$ Total tCO_{2e} destroyed, flare N° 2.

$Flare_{efficiency} F_1$ Flare N° 1 efficiency, calculated for 20-08-2008.


$Flare_{efficiency} F_2$ Flare N°2 efficiency, calculated for 01-10-2008.

Flare 1

Total tCO _{2e}	Flare efficiency Period 1	System uncertainty
302,533.1148	99.9910%	2.0500%

Flare 2

Total tCO _{2e}	Flare efficiency Period 1	System uncertainty
347,839.8462	99.9940%	1.9500%

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Base line (tCO _{2e})	Project emission (tCO _{2e})	Total tCO _{2e} claimed
7,569.4983	309.9122	629,461.0000

Note: Comparison between PDD CER's estimation and CER's claimed

Estimation of total emission reduction for 2008 according to PDD: 507,377 tCO_{2e}

Total emission reductions claimed in this report: 629,461 tCO_{2e}

The quantity of CERs is lower than projected because PDD consider the extraction of biogas from all landfill surface but in the beginning the extraction system only involve 60% of the landfill surface. Actually the number of wells of our collection system are growing, we hope to reach the PDD projection by the end of the next year (2009).

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Annex 1

-Other Environmental Indicators

Other environmental indicators which are registered in the SCAB plant are: the temperature exhaust gases, percentage of oxygen, carbon dioxide in the gas and particulate matter.

-The exhaust measurements were done in the following dates: 19-03-2008, 25-08-2008, 01-10-2008, 08-05-2009, 15-07-2009, and 04-08-2009.

- The particulate matter measurements were done in the following dates: 05-08-2008, 19-03-2009, 13-05-2009, and 28-07-2009.