LIHIR GOLD LIMITED

LIHIR GEOTHERMAL POWER PROJECT
UNFCCC Reference Number 0279

MONITORING REPORT
2nd Reporting Period

Project Site: Lihir Island, New Ireland Province, Papua New Guinea
Monitoring Period: 1st October 2006 – 30th September 2007
Prepared By: Lihir Gold Limited (LGL)

The New Lihir Gold

People Results Growth

Certified Environmental Management
Cert No C10375

EXECUTIVE SUMMARY

This document reports on the emission reductions generated by the Lihir Geothermal Power Plant (LGPP), CDM Registration Reference No. 0279 for the second monitoring period beginning 1st October 2006 through to 30th September 2007.

Emissions reductions documented in this report contain data for both the first (30MW) stage and the second (additional 20MW) stage of the project. The second stage involved the installation of the two turbines which brought the 50MW power plant to full energy producing capacity during this monitoring period in Quarter 1, 2007.

This project has reduced emissions by displacing electricity that was generated through the combustion of heavy fuel oil (HFO) at the LGL Diesel Power Station.

Project activity emissions are calculated from reductions on burning of fossil fuels compared to baseline years 2002-2004. In this reporting period, four wells were used for the first six months and seven for the other six. Emissions associated with these wells are not considered under the CDM as they are used for mine depressurization purposes. The net power production for this reporting period was 240 450 MWhrs.

Based on the net power generation figure and the emission factor for the Project, the total emission reductions for this reporting period are 163 025 t CO_2 - e.

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ABBREVIATIONS AND GLOSSARY OF TERMS

LGPP	Lihir Geothermal Power Plant
LGL	Lihir Gold Limited
MW	Megawatt
HFO	Heavy Fuel Oil
PDD	Project Design Document
CER's	Certified Emission Reductions
SOP	Standard Operating Procedure
NCG's	Non-Condensable Gases
IGNS	Institute of Geological and Nuclear Sciences
$C0_2$	Carbon Dioxide
CH_4	Methane
E6	Ellipse 6
TFT	Tracer Flow Testing
GHG	Greenhouse Gas
PI	Process Information
CDM	Clean Development Mechanism
t CO_2 -e	tonnes carbon dioxide equivalent

1 INTRODUCTION

This document reports on the emission reductions generated by the Lihir Geothermal Power Plant (LGPP), CDM Registration Reference No. 0279 for its second monitoring period. The power plant remains under the ownership of Lihir Gold Limited (LGL).

The LGPP uses geothermal steam produced from mine depressurization operations to create an ultimate nominal power producing capacity of 55MW (50MW net capacity).

This project has reduced emissions by displacing electricity that was generated through the combustion of heavy fuel oil (HFO) at the LGL Diesel Power Station.

Approved consolidated monitoring methodology ACM0002 "Consolidated monitoring methodology for zero-emissions grid-connected electricity generation from renewable sources" is used for this project as stated in the Project Design Document (PDD).

2 IMPLEMENTATION AND CURRENT STATUS

The first monitoring report (LGL 200609), contained data for the first stage of the project which was the 30MW phase of the Geothermal Power Plant. Emission reductions generated by the three turbines installed initially were documented and certified emission reductions (CER's) were awarded.

Emissions reductions documented in this report contain data for both the first (30MW) stage and the second (additional 20MW) stage of the project. The second stage involved the installation of the two turbines which brought the 50MW power plant to full energy producing capacity in Quarter 1, 2007.

Initially, three geothermal wells supplied steam to the 30MW phase of the project. To cater for the additional 20MW phase, two wells were taken offline and replaced and an additional six geothermal steam wells were added to the pipeline toward the geothermal power plant making it nine geothermal steam wells in total, supplying steam to the LGPP at the end of September.

3 MONITORING PERIOD

The monitoring period for this report is from the 1st October, 2006 to the 30th September, 2007 (both days included).

4 MONITORING PROCEDURES

4.1 Calibration and Maintenance of Monitoring Equipment and Instruments

4.1.1 Sampling Equipment and Instruments

Geothermal steam sampling is conducted on-site and monitored by the Mine Technical Department, Geothermal and Dewatering Section. Weber separators used to separate the two-phase steam/water mixture are calibrated and maintained on-site. Calibration is conducted quarterly after sampling, in preparation for the next quarterly sampling. Other pressure measuring instruments are calibrated by the Process Plant Maintenance, Instrumentation Section. Refer to Appendix 1 for further detail on gas sampling equipment and Appendix 3 for calibration certificates.

4.1.2 Laboratory Equipment and Instruments

The Institute of Geological and Nuclear Sciences (IGNS) in Auckland, New Zealand conducts analyses on the gas samples collected. The laboratory is accredited by International Accreditation New Zealand and the tests conducted are performed in accordance with its terms of accreditation.

4.1.3 Steam Flow and Electricity Monitoring Equipment and Instruments

Steam flow for the first three and a half months was monitored with flow meter, tag # PGS: S700_FTn_020_FInn, which is the steam flowing out from the separator. After the shutdown in January, steam flow for the 30MW phase was monitored with flow meter tag # 'PGS:S100_FTn_011_TOTn and the 20MW phase, once commissioned was monitored with flow meter tag # 'PGS:S400_FTn_011_TOTn during this monitoring period. Other pressure measuring instruments, e.g. Gauges and annubars are calibrated by the Process Plant Maintenance Department, Instrumentation Section.

Energy meters are used for electricity monitoring and have been manufactured under an ISO9001 registered system and conforms to IEC 947-1, IEC 1010-1. Energy meters for the 20MW phase were calibrated in September, 2006 and flow meters were calibrated in May, 2006. Refer to Appendix 3 for further detail. Original test result certificates are kept by the LGPP personnel. Refer to Appendix 1 for further detail on steam flow and energy monitoring equipment.

4.2 Gathering of Data from Steam Wells and Power Generation

4.2.1 Gas Sampling

For this reporting period, steam was supplied by three geothermal wells (GW24, 26 & 28) for the first six months. During the next six, two wells (GW24 & 26) were taken offline and replaced (GW37 & 38) and an additional six were put online to cater for the 20MW phase. Thus, 9 geothermal wells (GW28, 37, 38, 39, 40, 43, 48, 17 & 18) which were originally drilled for mine depressurization are supplying steam to the LGPP at this point in time. See Map 1 for well locations.

Average steam amounts passing through from the separator for a 24 hour period is calculated and recorded daily. Steam released from well-testing is also monitored and samples are also taken. Refer to Appendix 4 for well-testing results.

Gas sampling is conducted using the ASTM E1675-83: Standard Practice for Sampling Two-Phase Geothermal Fluid for the Purposes of Chemical Analysis on a quarterly basis. Standard Operating Procedure (SOP) # 2500-006 Geothermal Steam and Water Sampling describes the gas sampling process undertaken, nil changes to this procedure have occurred since the last reporting period . Refer to Appendices 2 & 4 for further detail.

Gas sampling is conducted by experienced and trained personnel from Century Drilling and Engineering Services (NZ) Limited and LGL.

Non-condensable gases (NCG's) in the samples are analysed by the IGNS. IGNS uses the method Geothermal Gas Analysis by Gas Chromatography for analyses of the gas samples taken. Refer to Appendix 4 for further detail on this method.

Carbon dioxide (CO_2) and methane (CH_4) contents in the produced steam is monitored along with other NCG's. For this reporting period, CO_2 and CH_4 have

average values of 1.57 %w/w and 0.0024 %w/w respectively. In effect, a total of 29 031 tonnes of CO_2 and 48.5 tonnes of CH_4 were in the steam used to generate energy. Fractions of CO_2 and CH_4 are also measured in samples taken during well-testing. Results are supplied by the Geothermal and Dewatering Section. For this reporting period, a total of 170 345 mg of CO_2 and 188mg of CH_4 was released. Refer to well-testing results in Appendix 4.

4.2.2 Electricity Generation

Electricity generation is monitored in the LGPP control room. Energy production figures for a 24 hour period are taken at midnight and entered in to the E6 database.

Total gross and net power production for this reporting period was 260 763 MWhrs & 240 450 MWhrs respectively. Table 4.2.1 and Figure 4.2.1 shows the monthly power generation figures. Refer to Appendix 5 for daily power generation and usage data.

Table 4.2.1 Monthly Power Generation Figures

Date	Gross Power Production	Total Usage	Net Power Production
Oct-06	22206	1621	20585
Nov-06	21757	1547	20210
Dec-06	20986	1573	19413
Jan-07	9489	1007	8482
Feb-07	14657	1082	13575
Mar-07	17609	1845	15764
Apr-07	30563	2350	28213
May-07	32419	2329	30090
Jun-07	25613	2167	23446
Jul-07	20943	1484	19459
Aug-07	24397	1818	22579
Sep-07	20124	1490	18634
TOTAL	**260763**	**20313**	**240450**

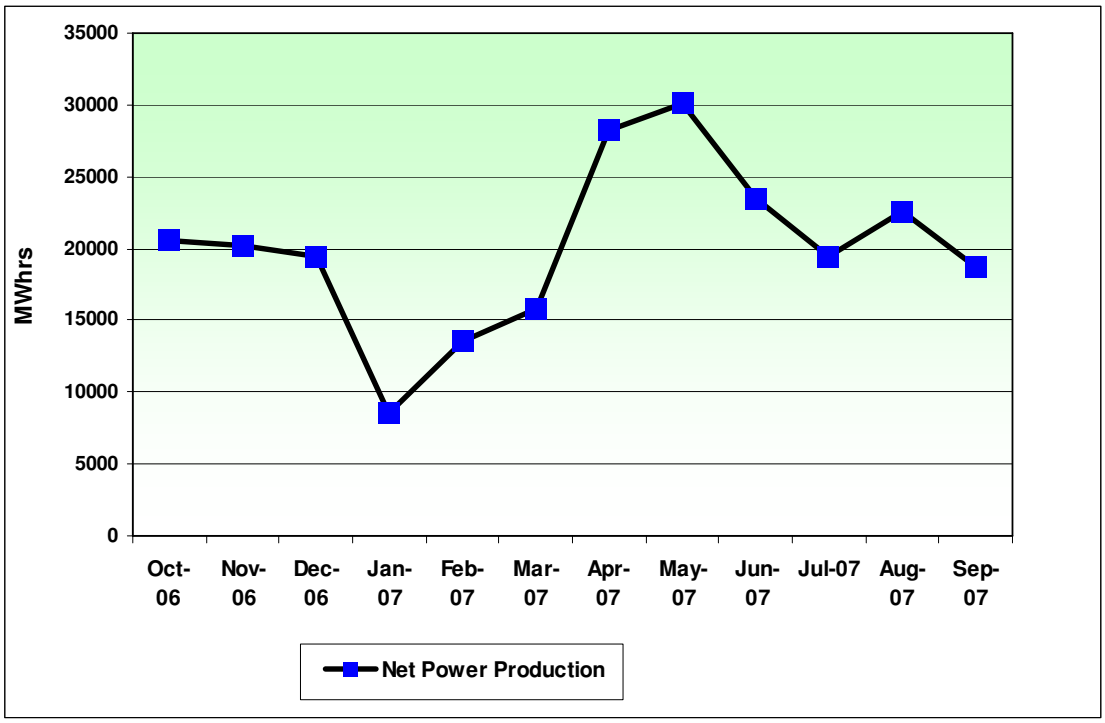


Fig. 4.2.1 Monthly Net Power Generation Figures

The LGPP has a back-up Cummins 350 KVA diesel generator that is to be used only during power failures. Run hours for this reporting period stands at 54.9hrs which have accumulated again due to testing of the generator.

4.2.3 Steam Flow

Steam released from wells is measured from the separator for this monitoring period. LGL uses a PI database system which allocates tag numbers to all meters used throughout process plant operations. Tag number PGS:S700_FTn_020_FInn has been allocated to the meter that measures steam flow from the separator. From October to mid-January steam used to generate energy was measured by this particular flow meter. After the January shutdown, a new flow meter tag # 'PGS:S100_FTn_011_TOTn was installed at the 30MW scrubber and steam was monitored using that particular meter. Once the 20MW phase was commissioned, tag # 'PGS:S400_FTn_011_TOTn was used to monitor steam flowing to the 20MW phase. To get the total steam flow, values from the 30MW and 20MW phases are added together. Data collected from the flow meters are documented in this report. Problems occur with the measurement of steam flow either (1) when the PI server fails and readings are given as 'No Good Data for Calculation'; (2) if there is a data

communication problem from the meter to the SCADA screen in the control room or (3) if the flow meter is reading incorrectly due to damage from vibrations or other various reasons. Problems 1 and 2 are solved when the system is restarted and takes measurements again. Problem 3 is sorted out when the meters are replaced during shutdown periods.

Table 4.4.2 Steam Flow from Separator

Date	Average Daily Steam Flow (tonnes/day)
Oct-06	2281.8
Nov-06	2322.31
Dec-06	2166.26
Jan-07	1833.76
Feb-07	3229.06
Mar-07	5741.75
Apr-07	10731.46
May-07	10883.9
Jun-07	9288.07
Jul-07	7308.47
Aug-07	8789.66
Sep-07	7199.6

The Tracer Flow Test (TFT) method is used to measure well discharge steam flow rates generated from well-testing. TFT discharge measurements are done for a single tracer injection and sampling period which takes about less than 1 hour for each well. This is conducted by the Mine Technical, Geothermal and Dewatering Section.

4.3 Calculation of GHG Emission Reductions

4.3.1 Project Activity Emissions

Project activity emissions are calculated from reductions on burning of fossil fuels compared to baseline years 2002-2004. In this reporting period, four wells were used for the first six months and seven for the other six. Emissions associated with these wells are not considered under the CDM as they are used for mine depressurization purposes. There have also been nil project emissions from the combustion of fossil fuels in relation to the LGPP as zero fossil fuels are used by the LGPP. Thus the calculated project activity emissions for this reporting period are zero.

4.3.2 Emissions Offset from the Grid

The emissions offset from the grid associated with the project activity are zero based on detail provided in Section 4.3.1.

4.3.3 Emission Reductions

Total emission reductions for this reporting period are 163 025 t CO_2 - e. Monthly emission reduction data is given in Table 4.3.1 and Figure 4.3.1. Refer to Appendix 6 for daily emission reduction data.

Table 4.3.1 Monthly Emission Reductions produced for this reporting period

Date	Net Power Production	CO2 Emission Factor	Emission Reductions
Oct-06	20585	0.678	13956
Nov-06	20210	0.678	13702
Dec-06	19413	0.678	13162
Jan-07	8482	0.678	5751
Feb-07	13575	0.678	9204
Mar-07	15764	0.678	10688
Apr-07	28213	0.678	19128
May-07	30090	0.678	20401
Jun-07	23446	0.678	15896
Jul-07	19459	0.678	13193
Aug-07	22579	0.678	15309
Sep-07	18634	0.678	12634
Total	**240450**		**163025**

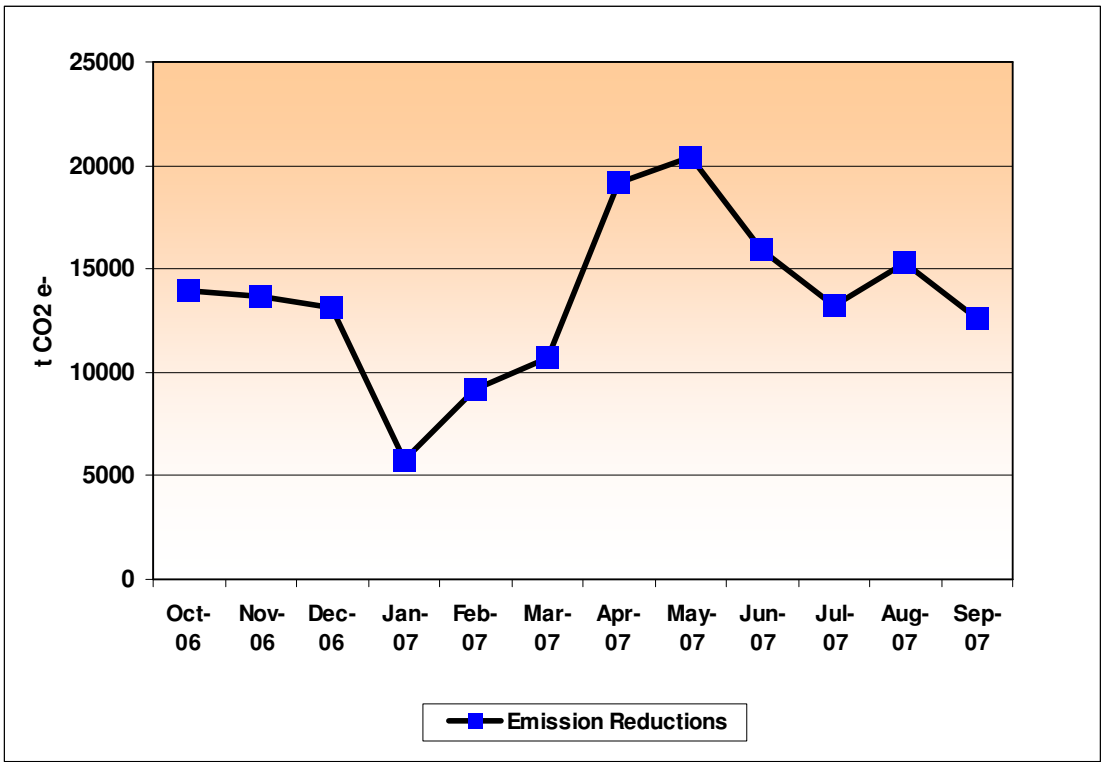


Fig 4.3.1 Graph showing Emission Reductions produced for this reporting period

Total emissions for 2007, estimated from baseline information, are 287 $ktCO_2$ equivalent emission reductions (see Table 4.3.2). Delays in the commissioning of the additional 20MW and shutdown periods for service and maintenance of equipment prevented the Project from achieving the estimated emission reductions.

Table 4.3.2 Total Estimated Emissions for the 10 Year Crediting Period

Total Estimated Emissions				
Year	**Installed Capacity**	**Annual Operating Hours**	**GWh**	**KtCO2/Year**
2006	**31.7**	**5333**	**169**	**115**
2007	**52.8**	**8000**	**422**	**287**
2008	**52.8**	**8000**	**422**	**287**
2009	**52.8**	**8000**	**422**	**287**
2010	**52.8**	**8000**	**422**	**287**
2011	**52.8**	**8000**	**422**	**287**
2012	**52.8**	**8000**	**422**	**287**
2013	**52.8**	**8000**	**422**	**287**
2014	**52.8**	**8000**	**422**	**287**
2015	**52.8**	**8000**	**422**	**287**
2016	**52.8**	**2667**	**141**	**96**

(*Source: CDM-PDD Version 02 pg39*)

4.4 Management and Storage of Data

Data for this monitoring period is collected daily as specified in the PDD and entered into a spreadsheet and stored on the company's common drive. As previously stated, LGL uses a tag database system known as PI for all monitoring meters used in process plant operations. Steam flow data is obtained via PI and entered into the spreadsheet. Power generation figures are entered into E6 by LGPP personnel and later extracted and entered in the CDM spreadsheet by the CDM monitoring officer. All data is summarised at the end of month and results submitted in the end-of-month report.

4.5 Supervision of the Quality of the Monitoring Process

End of month figures for CDM are submitted to the Environment Superintendent for review and stored on the Department common drive. Regular communication between the CDM monitoring officer and LGPP staff ensure changes in operating conditions are picked up and reported.

4.6 Issuance of Reports for Internal and External Verification

This report is issued to LGL's General Manager External Affairs and Sustainable Development, the Chief Financial Officer, and External Auditors. The results are summarised in LGL's Annual Environment Report.

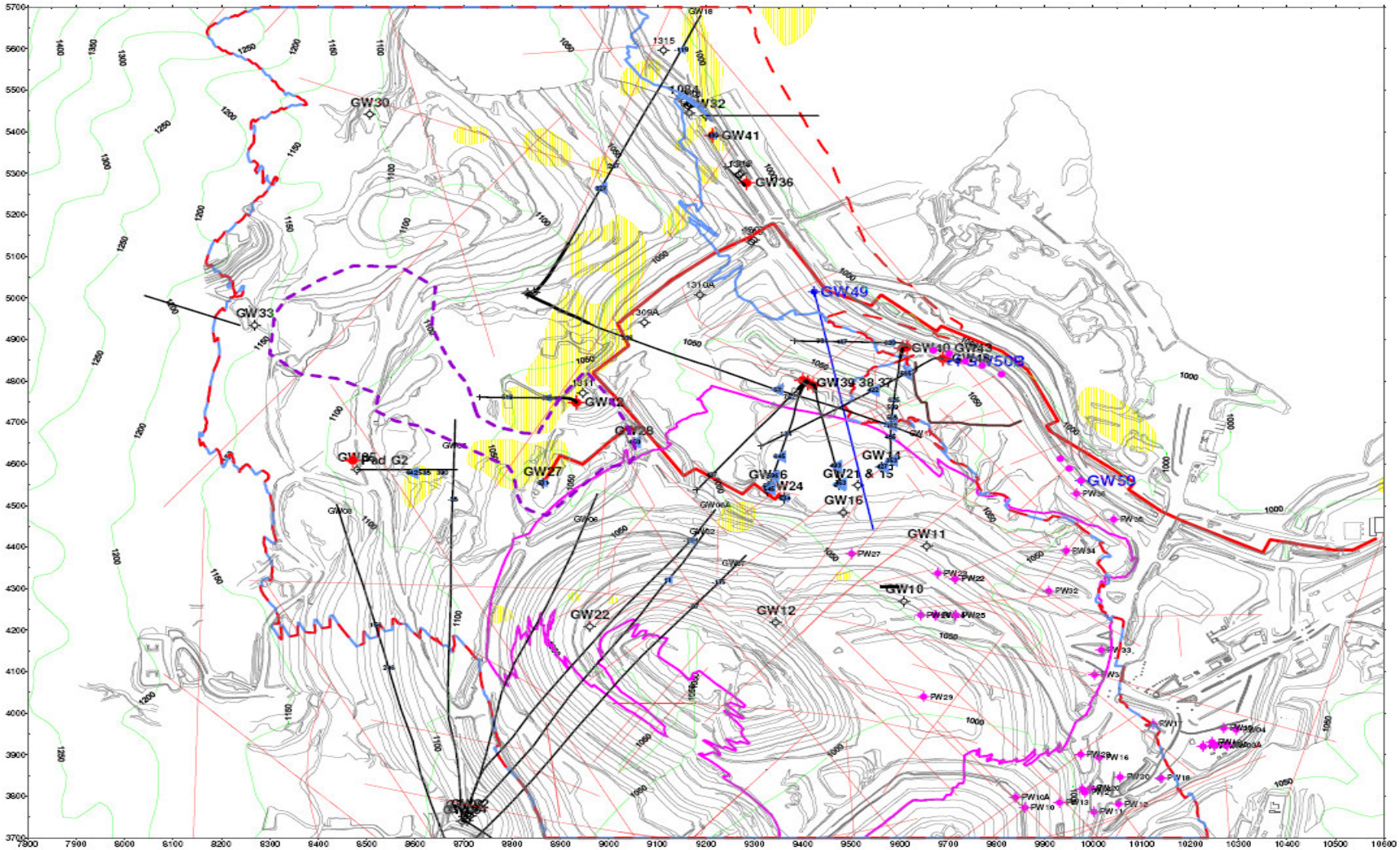
5 CONCLUSION

A large amount of monitoring data covering a spectrum of parameters associated with the generation of power from geothermal steam is presented in this report and is discussed frequently in light of previously reported data.

Data presented in this report provide evidence on the emission reductions generated by the Lihir Geothermal Power Plant.

6 REFERENCES

LGL 2006. CDM Monitoring Report. September 2006
UNFCCC 2005. CDM Project Design Document July 2005
SMEC 2006. Monitoring of CDM Project Proposal. March 2006
SMEC 2007. CDM Project Cycle and Issuance of CER's. January 2007



Map 1 – Geothermal Well Locations

APPENDIX 1

MONITORING EQUIPMENT DETAILS

Gas Sampling Instrument Details:

Name of Item	Two-phase Steam/Water Separator
Unit	Bar Gauge (barg)
Instrument	Weber Separators
Re-calibration	Every three months

Electricity and Steam Monitoring Instrument Details:

- Flow Transmitter 100-FIT-011 Main Steam Flow Transmitter. A new transmitter was installed during the January shutdown.
- Energy Meters for Units 1, 2 & 3 were tested on the 9-10/10/2006 by ADN Testing Services. Results were found to be satisfactory. Energy Meters for Units 4 & 5 were calibrated on the 28/09/2006.
- Flow Transmitter 200-FIT-011 (Turbine 2 Steam Flow meter) was replaced recently however is now reading incorrectly due to vibration. Will be checked at the next 33 MW shutdown**.**
- Flow Transmitter 300-FIT-011 (Turbine 3 Steam Flow meter) is also suspected of reading incorrectly and will also be checked at the next shutdown.
- Flow Transmitters for Units 4 and 5 were calibrated on the 29/05/2006. See documents in Appendix 3.
- Flow Transmitter 700-FIT-020 has failed and been removed. The sensor hole has been plugged off.

Name of Item	**Unit**	**Instrument**	**Tag No.**	**Re-calibration**
Steam Main	Ton/hr	Steam Main Flowmeter	PGS:S100_FTn_011_TOTn	
Turbine Inlet	Ton/hr	Steam Flowmeter Unit 1	PGS:S100_FTn_011_FInn	None Required
First Stage Ejector Steam Flow	Ton/hr	Steam Flowmeter Unit 1	PGS:S100_FTn_113_FInn	None Required
Second Stage Ejector Steam Flow	Ton/hr	Steam Flowmeter Unit 1	PGS:S100_FTn_123_FInn	None Required
Steam Vent Position	Ton/hr	Steam Flowmeter Unit 1	PGS:S700_ZTn_023_ZInn	None Required
Power Output	MWhr	Voltage Transformer Unit 1	PGS:S100_GNn_001_PP	
Turbine	Ton/hr	Steam	PGS:S200_FTn_011_FInn	None

Inlet		Flowmeter Unit 2		Required
First Stage Ejector Steam Flow	Ton/hr	Steam Flowmeter Unit 2	PGS:S200_FTn_113_FInn	None Required
Second Stage Ejector Steam Flow	Ton/hr	Steam Flowmeter Unit 2	PGS:S200_FTn_123_FInn	None Required
Steam Vent Position	Ton/hr	Steam Flowmeter Unit 2	PGS:S700_ZTn_024_ZInn	None Required
Voltage Transformer Unit 2	MWhr	Power Output	PGS:S200_GNn_001_PP	
Turbine Inlet	Ton/hr	Steam Flowmeter Unit 3	PGS:S300_FTn_011_FInn	None Required
First Stage Ejector Steam Flow	Ton/hr	Steam Flowmeter Unit 3	PGS:S300_FTn_113_FInn	None Required
Second Stage Ejector Steam Flow	Ton/hr	Steam Flowmeter Unit 3	PGS:S300_FTn_123_FInn	None Required
Steam Vent Position	Ton/hr	Steam Flowmeter Unit 3	PGS:S700_ZTn_025_ZInn	None Required
Power Output	MWhr	Voltage Transformer	PGS:S300_GNn_001_PP	
Turbine Inlet	Ton/hr	Steam Flowmeter Unit 4	PGS:S400_FTn_011_TOTn	
First Stage Ejector Steam Flow	Ton/hr	Steam Flowmeter Unit 4	PGS:S400_FTn_113_FInn	None Required
Second Stage Ejector Steam Flow	Ton/hr	Steam Flowmeter Unit 4	PGS:S400_FTn_121_FInn	None Required
Power Output	MWhr	Voltage Transformer	PGS:S400_GNn_001_PP	
First Stage Ejector Steam Flow	Ton/hr	Steam Flowmeter Unit 5	PGS:S500_FTn_113_FInn	None Required
Second Stage Ejector Steam Flow	Ton/hr	Steam Flowmeter Unit 5	PGS:S500_FTn_123_FInn	None Required
Power Output	MWhr	Voltage Transformer	PGS:S500_GNn_001_PP	

APPENDIX 2

GAS SAMPLING AND ANALYSES METHODS

	Procedure No.: 2500 - 006
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STANDARD OPERATING PROCEDURE	**Department:** Geothermal & Dewatering
TITLE: GEOTHERMAL STEAM AND WATER SAMPLING	**Location:** Mine Office

Procedure Created (Rev 0):	April 2004	**Author:**	Century Resources
Next Revision (Rev 2):	May 2004	Editor:	Markos Melaku
Subsequent Revision (Rev 3):	July 2005	Editor:	Markos Melaku, Shah Abdul-Rahman

Scope: This SOP outlines the process to be undertaken to allow the safe collection of water and gas samples from geothermal pipelines using a mini separator.

Description of Hazard / Environmental Issue:	**Control Strategy:**
• High temperature/pressure steam and water • Toxic gases • Hot pipes and fittings • H_2SO_4 and NaOH in Rotaflo's	• Evacuate non essential staff from immediate vicinity of the well • Use PPE as defined under HSE Notes. • Exercise extreme caution when working in close proximity to discharging well head. • Inspect Rotaflo's before use.
References:	**Located:**
RE74 – Lihir PTQ Manual	Hard copy version available from Century Resources.

Prerequisites:	Competent person as nominated by the Superintendent of Geothermal and Dewatering.

Approval:

Superintendent*	Name:		Sign:	Date:	
Manager	Name:		Sign:	Date:	

*NOTE: Ownership of this procedure lies with the Superintendent unless otherwise stated

Location of (Final) Controlled Copies:

Electronic Copy 1:	LOIS / LihirSafe / SOPs	Electronic Copy 2:	
Hard Copy 1:		Hard Copy 2:	
Hard Copy 3:		Hard Copy 4:	

NOTE: Any changes/updates to this SOP must be followed with: 1) Removal of old SOP, and, 2) Replacement of old SOP with updated one.

	TITLE: GEOTHERMAL STEAM AND WATER SAMPLING	Procedure No:
		Revision 3
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STAGE A brief description of what is to be done in the correct order.	KEY POINTS How to do it. Highlight OHS&E requirements.	PERSON RESPONSIBLE
Functional Description	During this procedure, steam and water from the pipeline is extracted for collection. Mini separators are attached to sample point valves, where the two phase steam/water mixture is separated, before being collected into glassware and plastic bottles.	
Health, Safety & Environment Notes	• Standard PPE (Hard hat, safety glasses, personal gas monitor, safety boots, long sleeves and long pants, hearing protection, leather gloves) • First Aid burns module (burns blanket) and / or water supply for the treatment of burns is readily accessible.	
Work Preparation / Tools Required	• 2x mini separators, 2x Pressure gauges, 2x cooling coils, 2x 25l water/ice filled containers, sampling containers, Temperature gauge. • See RE70e for complete list (attached at end of document)	
Prior to Sampling		
1. Inspect all equipment	• Check for any signs of damage to equipment and don protective gloves, glasses and ear protection until sampling has finished.	Competent person
2. Check sample point valve status	• Ensure that the sample point valve is closed before removing the pressure gauge (if present). Remove gauge **slowly** to safely disperse any trapped steam. • Once the gauge is removed, crack the sample point valve to ensure it is operational and not blocked. Open fully and then shut.	Competent person
3. Check the sampling apparatus	• Attach the separator and pressure gauges in accordance with sampling manual procedures. • Ensure valves V1, V2 are closed. (and V3 for steam mini separator) • **Ensure that the outlet flow tubes are facing away from the operator.** If not adjust accordingly. • Open the sample point valve and allow the system to pressurise. • Inspect the apparatus for leaks. • Depending on the sampling containers used, an appropriate length of rubber hose may need to be attached. • For the steam separator, open valves V1, V2 and V3 in accordance with sampling manual procedures and allow to vent for 5 minutes. • For the water separator, open valve V2 fully. Open V1 only briefly to ensure it is not blocked and that the discharge is clean. • When checking the dryness of the steam in accordance with the sampling procedures manual, ensure that the correct rubber gloves are worn. • If connecting a cooling coil, shut off the corresponding valve before attaching.	Competent person

During Vertical Discharge:		
1. Rotaflo – Steam Collection	• Check for traces of chemicals in valve area, and clean if necessary. • Shake flask and listen for a click. This indicates that the vacuum has been maintained. • Displace oxygen in the inlet with steam. • Watch the tee piece discharge plume while opening Rotaflo valve, and when putting a flask in a bucket of water. If the plume is sucked into the tee piece then the sample will be contaminated with air.	Competent person
2. 5l glass collection flask – Steam	•	
3. Cooling Coil – Steam condensate / water	•	
Burns		
4. In the event of a burn injury	• Quickly shut down the discharge by shutting the appropriate valves. • Apply continuous cool water (not cold water) or apply burn blanket over the location of the burn and depending upon burn severity contact emergency services by: - Contacting trunk or radio 333, stating Emergency Emergency Emergency and - State your name, department, and location, - State clearly what has happened, and - State the nature of the injury • Continue to apply cool water to the affected location/s until the arrival of the emergency services.	

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PROCEDURE CHECKLIST

1. List down the critical steps and points related to this procedure.
2. Use the checkboxes as a guide to ensure personnel doing the job are covering each critical step.

NOTE: This checklist is to be used in conjunction with the procedure as a means of highlighting the critical procedural stages as they are accomplished. It is not comprehensive and should not be used without reference to the full procedure.

☐	1.	Ensure that the appropriate PPE is available and a burns treatment kit is available (ie. Burns module / clean water supply).
☐	2.	Check equipment for damage.
☐	3.	Check sample point valve is closed before removing pressure gauge.
☐	4.	Removal of the pressure gauge must be undertaken slowly to disperse trapped steam.
☐	5.	Crack valve to ensure sample point valve is operational.
☐	6.	Once separator is attached, ensure all outflow tubes face away from the operator.
☐	7.	Check valves V1, V2 and V3 are closed.
☐	8.	Check the apparatus for leaks.

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TWO PHASE SAMPLING CHECK LIST

- ☐ RE70d Chemistry Field Sheets
- ☐ cellphone
- ☐ Pen
- ☐ Marker pens x 2
- ☐ RE70a Geothermal sampling techniques manual
- ☐ Sampling containers ie rotaflo's, 5L etc
- ☐ Gloves (rubber x2, leather)
- ☐ earmuffs and earplugs
- ☐ safety glasses
- ☐ All other PPE, eg boots, overalls, coats, hardhats.
- ☐ 2 litre jug
- ☐ 2 x 25 litre water containers
- ☐ Fluke & thermocouple wire
- ☐ Gazebo
- ☐ Bailer for sampling weir boxes
- ☐ Mini Separators x 2(1 for Steam & 1 for Water)
- ☐ Keller Presure gauges (L3111 & L3112)
- ☐ seats x2
- ☐ spare swagelok fittings
- ☐ Dry steam tubing
- ☐ Silicon tubing for ends (carry spare)
- ☐ Cooler x 2
  - armoured teflon tubing
  - cooling coil
- ☐ Wire brush for cleaning threads
- ☐ red silicon end tubing for water sampling
- ☐ Chilly bins with ice
- ☐ **Chemistry box**
  - distilled water
  - syringes x 2
  - swinnex filter & filter paper
  - pipettes (12)
  - acid (HNO_3)
  - plastic bag to dispose of rubbish
- ☐ **Toolbox**
  - 2 x spanners
  - 2 x rigids
  - pliers/cutters/knife
  - screwdriver
  - thread tape
  - valve spanner
  - tig wire for unblocking valves
  - cable ties
- **If sampling at Rotokawa reinjection line**
- ☐ - 1/4" swaglok to 1/4" NPT fitting
- **If sampling at Rotokawa combined water leg**
- ☐ - 1/4" swaglok to 3/8" swagelok fitting
- **If Mercury Sampling**
- ☐ 3/8"Armoured teflon tubing **(Acid Washed by GNS)**
- ☐ Rotaflo flasks containing H_2SO_4
- ☐ Green rectangular bucket
- ☐ Wooden stand for bucket
- **If mercury sampling at Rotokawa**
- ☐ 1/2" female NPT to 3/4" male fitting

CHAPTER 20

GEOTHERMAL GAS ANALYSIS BY GAS CHROMATOGRAPHY

Application: **Analysis of geothermal gases, namely H_2, CH_4, He, O_2, Ar, N_2.**

References:
Giggenbach, W.F. (1975), A simple method for the collection and analysis of volcanic geothermal samples. Bulletin Volcanologique; Journal of the International Association of Volcanology and Chemistry of the Earths Interior of the International Union of Geodesy and Geophysics. Vol 39, No. 4. pp. 132-145.

Giggenbach, W.F. and Goguel, R.L. (1989), Collection and Analysis of Geothermal and Volcanic Water and Gas Discharges. DSIR Chemistry Division Report Number C.D. 2401.

Klyen, L.E. (1982), Sampling Techniques for Geothermal Fluids. DSIR Chemistry Division Report Number C.D. 2322.

Significance: This method offers the most accurate means available for determining the concentration of gases in geothermal and volcanic gas samples.

Interferences: There are little or no significant interferences in the GC analysis of geothermal gases.

Quality Control: An alpha gas standard mixture is run on the GC at the start of every set of sample analyses. Gas standards are supplied by BOC New Zealand and BOC NZ is certified to ISO 9002 standard. The reference number of the alpha standard is AS0359.

Quality control limits and rules can be found in Table 1 in this document. In order to get consistently good results it is imperative that the quality control rules are followed precisely.

APPENDIX 3

EQUIPMENT CALIBRATION CERTIFICATES

Century
RESOURCES
A DIVISION OF DOWNER GROUP LIMITED

Century Drilling &
Energy Services (NZ) Limited
166 Karetoto Road, Wairakei
PO Box 341 Taupo, New Zealand
Tel: 64 7 374 8899
Fax: 64 7 374 8508

CALIBRATION REPORT

Dial Gauge:	0-40 bg, no serial number
Location:	Mini Separator (Steam)
Calibrator:	Dead Weight Tester, Century S/N 58712-0
Calibration Number:	5367
Date:	26 September 2007
Calibrated By:	Mike Watkins

APPLIED PRESSURE (bg)	DIAL GAUGE READING (bg)	CORRECTION REQUIRED (bg)
2	2.25	-0.25
5	5.1	-0.1
10	9.8	+0.2
15	14.75	+0.275
20	18.5	+1.5

COMMENTS:

Dial Gauge has a non-linear calibration correction which cannot be adjusted. This gauge was replaced following calibration with a 0-10 barg dial gauge.

EMERSON.
Process Management

29 May, 2006

Emerson Process Management
Asia Pacific Private Limited
1 Pandan Crescent
Singapore 128461
Company Reg. No.: 196500174M

Calibration Data Sheet Consistent with ISO 10474 2.1 or EN 10204

Customer Information

Name: EMERSON PROCESS MANAGEMENT AUSTRALIA
PO: 70105581
End Customer Name: EMERSON PROCESS MANAGEMENT AUS
End Customer PO: NA
End Customer SO: 79003306

Manufacturer Information

Sales Order: 00466932
Line: 16

Device Information

Device Type: Pressure Transmitter
Tag No: 500-FIT-123
Serial No: 01508103
Model No: 3051SFADS080CCDFS1A1A0031AA1B1RLQ4M5T1F0018
Module Serial No: 3018562
Output: Sq Root

Calibration Information

Factory: SINGAPORE
Station Name: L003
Operator ID: 1497
Calibration Date: 5/29/2006 7:16:49PM

Calibration Data

Range: 0.000 TO 2.340 kPa

% of Range	Applied Pressure	Requested Applied Pressure	Analog Output (mA)	% Span Error	Pass/Fail
99.998	9.411 InH2O@20degC	2.3400 kPa	20.0024	0.0163	PASS
56.253	5.294 InH2O@20degC	1.3163 kPa	15.9920	-0.0512	PASS
25.002	2.353 InH2O@20degC	0.5851 kPa	11.9864	-0.0875	PASS
6.248	0.588 InH2O@20degC	0.1462 kPa	7.9862	-0.0825	PASS
0.000	0.000 InH2O@20degC	0.0000 kPa	4.0022	0.0138	PASS

This is to certify that the listed product meets the applicable Rosemount Specifications. Measuring and test equipment used in the manufacture and inspection of the listed product are traceable to the National Institute of Standards and Technology. The calibration system was designed to meet the intent of ANSI Z540-1-1994.

PHILIP YEH
ROSEMOUNT REPRESENTATIVE

Downer ENGINEERING
A DIVISION OF DOWNER EDI LIMITED

Downer Electrical Pty Ltd

INSTRUMENT CALIBRATION AND INSPECTION SHEET

PROJECT LIHIR 80MW EXTENSION PSG. No. 0085

CLIENT SMEC JOB No. 720 80135

HART ID: 5DFIT123

TAG No: 500-FIT-123	SERIAL No: 01508103
MANUFACTURER: ROSEMOUNT	TYPE/MODEL: 3051SFA
INPUT RANGE AS FOUND: 0-2.34 KPA	INPUT RANGE AS CALIBRATED. 0-2.34 KPA
TEST EQUIPMENT USED (include MTE No):	
FLUKE MOD 743B. S/N 7105809. HART 375. S/N 1100 8564	
FLUKE PRESSURE MODULE. S/N 7070060 7	

56.25%

PERCENTAGE	0%	25%	~~50%~~	75%	100%	75%	50%	25%	0%
APPLIED INPUT KPA Increase & Decrease	0.0	0.585	1.316	/	2.34				
MEASURED OUTPUT mA	3.998	8.007	16.003		19.998				

ALARM SETTING	mA	Amps	mV	Volts	mA	Amps	mV	Volts
HIGH HIGH								
HIGH								
LOW								
LOW LOW								

APPLIED INPUT Increase or Decrease (cross out N / A)	AS CALIBRATED

LOOP CHECK (Tick only)

PERCENTAGE	0%	25%	50%	75%	100%
FIELD READING					
PANEL READING					
REMOTE READING					

ACCESSORIES FITTED/COMMENTS: mA O/P FUNCTION. LOW RANGE SENSOR - ORIENTATION AFFECTS OUTPUT. SENSOR ZERO TRIM REQUIRED AFTER FINAL INSTALLATION

CALIBRATED BY: G.W. Harricott DATE: 25/09/2006

WITNESSED BY CLIENT: _____ DATE: _____

Distribution: White - Client Green - Job File Yellow - Book

Dec. 2005

ROSEMOUNT INC.
ANNUBAR FLOWMETER SERIES
CALCULATION DATA SHEET

GENERAL DATA

Customer:	
Project:	610A-ANW-050621-0000834
S. O. No:	
P. O. No:	
Calc. Date:	
Model No:	3051SFADS080CCDFS1A1A0031AA1B1Q4M5T1F0018
Tag No:	RE-100-FIT-113, 200-FIT-113,300-FIT-113

PRODUCT DESCRIPTION

Product Type:	Flanged with Opposite Side Support	Instrument Valve:	Not Applicable
Sensor Size:	1	Valve Material:	Not Applicable
Wetted Material:	316 Stainless Steel	Line Size:	8" (200 mm)
Mounting Conn.Type:	Direct-mount	Pipe Sch.:	40
Mounting Conn. Material:	Carbon Steel	Pipe Orientation:	Vertical - Flow Down
Electronics Mounting:	Direct-mount; Integral 3-valve Manifold	Flange Type:	150# RF ANSI
Max. Allow. Pressure@Temp.:	1569.7707 kPa-a 154.5 C		
Design Pressure/Temperature:	530 kPa-a 154.5 C	Max. Allow. Temp.:	260.00 C

INPUT DATA

Fluid Type:	Steam			
Fluid Description:				
Pipe I.D(Span):	7.981	inch	Wall:	0.322 inch
Pressure:	530	kPa-a		
Temperature at Flow:	154.05	C		
Absolute Viscosity:	0.00001	Pa.sec		
Isentropic Exponent:	1.31733			
Compressibility at Flow:				
Density at Flow:	2.819653	kg/m3		
Flow Rates				
Minimum:	0	kg/hr		
Normal:	10000	kg/hr		
Maximum:	10000	kg/hr		
Full Scale:	10000	kg/hr		

CALCULATED DATA

(Calculation Performed at Normal Conditions. DP in inH2O@68F)

DP at Min Flow:	mBar	Flow Coefficient:	0.5925
DP at Normal Flow:	37.203 mBar		
DP at Max Flow:	37.203 mBar	Rod Reynolds Number (Normal):	90942
DP at Full Scale Flow:	37.203 mBar	Pipe Reynolds Number (Full Scale):	1232438
Structural Limit (DP):	727.937 mBar	Gas Expansion Factor:	0.9991
Structural Limit (Flow):	44234.371 kg/hr	Permanent Pressure Loss:	
Minimum Accurate Flow:	3658.8302 kg/hr	at Normal Flow:	3.502 mBar
Resonant Frequency:	328.21 Hz	at Maximum Flow:	3.502 mBar
Wake Frequency:	405.868296 Hz	Velocity at Max Flow:	30.412 m/sec
Blockage:	0.094		

WARNINGS

Vertical steam applications with downward flow are not recommended.

NOTES

Printed On: 21-Jun-05

- 100-FIT-113, As Left @ ≃ 9542 kg/Hr, LFC = 200 ✓
- 200-FIT-113, As Left @ ≃ 9426 kg/Hr, LFC = 200 ✓
- 300-FIT-113, As Left @ ≃ 10150 kg/Hr, LFC = 200 ✓

" WARNING SUPPRESSED "

ROSEMOUNT INC.
ANNUBAR FLOWMETER SERIES
CALCULATION DATA SHEET

GENERAL DATA

Customer:	
Project:	610A-ANW-050621-0000834
S. O. No:	
P. O. No:	
Calc. Date:	
Model No:	3051SFADS080CCDFS1A1A0031AA1B1Q4M5T1F0018
Tag No:	RE-100-FIT-123, 200-FIT-123, 300-FIT-123

PRODUCT DESCRIPTION

Product Type:	Flanged with Opposite Side Support	Instrument Valve:	Not Applicable
Sensor Size:	1	Valve Material:	Not Applicable
Wetted Material:	316 Stainless Steel	Line Size:	8" (200 mm)
Mounting Conn.Type:	Direct-mount	Pipe Sch.:	40
Mounting Conn. Material:	Carbon Steel	Pipe Orientation:	Vertical - Flow Down
Electronics Mounting:	Direct-mount; Integral 3-valve Manifold	Flange Type:	150# RF ANSI
Max. Allow. Pressure@Temp.:	1569.7707 kPa-a 154.5 C		
Design Pressure/Temperature:	530 kPa-a 154.5 C	Max. Allow. Temp.:	260.00 C

INPUT DATA

Fluid Type:	Steam			
Fluid Description:				
Pipe I.D(Span):	7.981	inch	Wall:	0.322 inch
Pressure:	530	kPa-a		
Temperature at Flow:	154.05	C		
Absolute Viscosity:	0.00001	Pa.sec		
Isentropic Exponent:	1.31733			
Compressibility at Flow:				
Density at Flow:	2.819653	kg/m3		
Flow Rates				
Minimum:	0	kg/hr		
Normal:	10000	kg/hr		
Maximum:	10000	kg/hr		
Full Scale:	10000	kg/hr		

CALCULATED DATA

(Calculation Performed at Normal Conditions. DP in inH2O@68F)

DP at Min Flow:	mBar	Flow Coefficient:	0.5925
DP at Normal Flow:	37.203 mBar		
DP at Max Flow:	37.203 mBar	Rod Reynolds Number (Normal):	90942
DP at Full Scale Flow:	37.203 mBar	Pipe Reynolds Number (Full Scale):	1232438
Structural Limit (DP):	727.937 mBar	Gas Expansion Factor:	0.9991
Structural Limit (Flow):	44234.371 kg/hr	Permanent Pressure Loss:	
Minimum Accurate Flow:	3658.8302 kg/hr	at Normal Flow:	3.502 mBar
Resonant Frequency:	328.21 Hz	at Maximum Flow:	3.502 mBar
Wake Frequency:	405.868296 Hz	Velocity at Max Flow:	30.412 m/sec
Blockage:	0.094		

WARNINGS

Vertical steam applications with downward flow are not recommended.

NOTES

Printed On: 21-Jun-05

✓ – 100-FIT-123, Q as left ≃ 8900 kg/Hr. LFC = 200 kg/hr. ✓

– 200-FIT-123, Q As Left ≃ 9513 kg/Hr, LFC = 200 kg/hr ✓

– 300 FIT-123, Q as left ≃ 9723 kg/Hr, LFC = 200 kg/hr

ROSEMOUNT INC.
ANNUBAR FLOWMETER SERIES
CALCULATION DATA SHEET

GENERAL DATA

Customer:	
Project:	6303-JUA-070827-0001095
S. O. No:	
P. O. No:	
Calc. Date:	8/27/07
Model No:	3051SFADS300ZCHFS3A1D0032AA2F3Q4M8T1
Tag No:	50139 Sizing

PRODUCT DESCRIPTION

Product Type:	Flanged with Opposite Side Support	Instrument Valve:	Not Applicable
Sensor Size:	3	Valve Material:	Not Applicable
Wetted Material:	316 Stainless Steel	Line Size:	750 mm (30 in.)
Mounting Conn.Type:		Pipe Sch.:	STD
Mounting Conn. Material:	Carbon Steel	Pipe Orientation:	Horizontal
Electronics Mounting:	Direct-mount, Integral 3-valve Manifold	Flange Type:	150# RF ANSI
Max. Allow. Pressure@Temp.:	13.555092 bar-g	200 C	
Design Pressure/Temperature:	5 bar-g	200 C	Max. Allow. Temp.: 260.00 C

INPUT DATA

Fluid Type:	Steam			
Fluid Description:	Based on Saturated Temperature			
Pipe I.D(Span):	29.250	inch	Wall:	0.375 inch
Pressure:	4.279641	bar-g		
Temperature at Flow:	154.00	C		
Absolute Viscosity:	0.01413	cP		
Isentropic Exponent:	1.31734			
Density at Flow:	2.816088	kg/m3		
Flow Rates				
Minimum:	0	kg/hr		
Normal:	240000	kg/hr		
Maximum:	240000	kg/hr		
Full Scale:	240000	kg/hr		

CALCULATED DATA

(Calculation Performed at Normal Conditions. DP in inH2O@68F)

DP at Min Flow:	inH2O@68F	Flow Coefficient:	0.5919	
DP at Normal Flow:	48.127 inH2O@68F			
DP at Max Flow:	48.127 inH2O@68F	Rod Reynolds Number (Normal):	532995	
DP at Full Scale Flow:	48.127 inH2O@68F	Pipe Reynolds Number (Full Scale):	8071652	
Structural Limit (DP):	396.953 inH2O@68F	Gas Expansion Factor:	0.9971	
Structural Limit (Flow):	689267.794 kg/hr	Permanent Pressure Loss:		
Minimum Accurate Flow:	49061.4152 kg/hr	at Normal Flow:	4.054	inH2O@68F
Resonant Frequency:	153.06 Hz	at Maximum Flow:	4.054	inH2O@68F
Wake Frequency:	221.40135 Hz	Velocity at Max Flow:	54.408	m/sec
Blockage:	0.084			

WARNINGS

NOTES

EMERSON.
Process Management

29 May, 2006

Emerson Process Management
Asia Pacific Private Limited
1 Pandan Crescent
Singapore 128461
Company Reg. No.: 196500174M

Calibration Data Sheet Consistent with ISO 10474 2.1 or EN 10204

Customer Information	Manufacturer Information
Name: EMERSON PROCESS MANAGEMENT AUSTRALIA **PO:** 70105581 **End Customer Name:** EMERSON PROCESS MANAGEMENT AUS **End Customer PO:** NA **End Customer SO:** 79003306	**Sales Order:** 00466932 **Line:** 5
Device Information	**Calibration Information**
Device Type: Pressure Transmitter **Tag No:** 400-FIT-011 **Serial No:** 01508095 **Model No:** 3051SFADS300ZCHFS2A1A0032AA2F3Q4M8T1 **Module Serial No:** 2985109 **Output:** Sq Root	**Factory:** SINGAPORE **Station Name:** L001 **Operator ID:** 1497 **Calibration Date:** 5/29/2006 5:37:11PM

Calibration Data

Range: 0.000 TO 12.480 kPa

% of Range	Applied Pressure	Requested Applied Pressure	Analog Output (mA)	% Reading (Except for 0% Point)	Pass/Fail
100.000	50.193 InH2O@20degC	12.4801 kPa	20.0028	-0.0175	PASS
56.249	28.233 InH2O@20degC	7.0199 kPa	16.0024	-0.0200	PASS
25.000	12.548 InH2O@20degC	3.1200 kPa	12.0014	-0.0175	PASS
6.250	3.137 InH2O@20degC	0.7800 kPa	8.0010	-0.0250	PASS
0.000	0.000 InH2O@20degC	0.0000 kPa	4.0000	0.0000 mA	PASS

This is to certify that the listed product meets the applicable Rosemount Specifications. Measuring and test equipment used in the manufacture and inspection of the listed product are traceable to the National Institute of Standards and Technology. The calibration system was designed to meet the intent of ANSI Z540-1-1994.

PHILIP YEH
ROSEMOUNT REPRESENTATIVE

EMERSON.
Process Management

29 May, 2006

Emerson Process Management
Asia Pacific Private Limited
1 Pandan Crescent
Singapore 128461
Company Reg. No.: 196500174M

Calibration Data Sheet Consistent with ISO 10474 2.1 or EN 10204

Customer Information

Name: EMERSON PROCESS MANAGEMENT AUSTRALIA
PO: 70105581
End Customer Name: EMERSON PROCESS MANAGEMENT AUS
End Customer PO: NA
End Customer SO: 79003306

Manufacturer Information

Sales Order: 00466932
Line: 16

Device Information

Device Type: Pressure Transmitter
Tag No: 400-FIT-123
Serial No: 01508102
Model No: 3051SFADS080CCDFS1A1A0031AA1B1RLQ4M5T1F0018
Module Serial No: 3008335
Output: Sq Root

Calibration Information

Factory: SINGAPORE
Station Name: L002
Operator ID: 1480
Calibration Date: 5/29/2006 6:29:49PM

Calibration Data

Range: 0.000 TO 2.340 kPa

% of Range	Applied Pressure	Requested Applied Pressure	Analog Output (mA)	% Span Error	Pass/Fail
99.998	9.411 InH2O@20degC	2.3400 kPa	19.9994	-0.0025	PASS
56.253	5.294 InH2O@20degC	1.3163 kPa	16.0018	0.0100	PASS
25.002	2.353 InH2O@20degC	0.5851 kPa	12.0024	0.0125	PASS
6.248	0.588 InH2O@20degC	0.1462 kPa	7.9992	-0.0012	PASS
0.000	0.000 InH2O@20degC	0.0000 kPa	4.0008	0.0050	PASS

This is to certify that the listed product meets the applicable Rosemount Specifications. Measuring and test equipment used in the manufacture and inspection of the listed product are traceable to the National Institute of Standards and Technology. The calibration system was designed to meet the intent of ANSI Z540-1-1994.

PHILIP YEH
ROSEMOUNT REPRESENTATIVE

EMERSON.
Process Management

29 May, 2006

Emerson Process Management
Asia Pacific Private Limited
1 Pandan Crescent
Singapore 128461
Company Reg. No.: 196500174M

Calibration Data Sheet Consistent with ISO 10474 2.1 or EN 10204

Customer Information

Name: EMERSON PROCESS MANAGEMENT AUSTRALIA
PO: 70105581
End Customer Name: EMERSON PROCESS MANAGEMENT AUS
End Customer PO: NA
End Customer SO: 79003306

Manufacturer Information

Sales Order: 00466932
Line: 16

Device Information

Device Type: Pressure Transmitter
Tag No: 400-FIT-113
Serial No: 01508100
Model No: 3051SFADS080CCDFS1A1A0031AA1B1RLQ4M5T1F0018
Module Serial No: 3018572
Output: Sq Root

Calibration Information

Factory: SINGAPORE
Station Name: L003
Operator ID: 1497
Calibration Date: 5/29/2006 6:31:40PM

Calibration Data

Range: 0.000 TO 2.340 kPa

% of Range	Applied Pressure	Requested Applied Pressure	Analog Output (mA)	% Span Error	Pass/Fail
99.998	9.411 InH2O@20degC	2.3400 kPa	20.0004	0.0038	PASS
56.253	5.294 InH2O@20degC	1.3163 kPa	16.0008	0.0038	PASS
25.002	2.353 InH2O@20degC	0.5851 kPa	12.0010	0.0038	PASS
6.248	0.588 InH2O@20degC	0.1462 kPa	7.9982	-0.0075	PASS
0.000	0.000 InH2O@20degC	0.0000 kPa	3.9988	-0.0075	PASS

This is to certify that the listed product meets the applicable Rosemount Specifications. Measuring and test equipment used in the manufacture and inspection of the listed product are traceable to the National Institute of Standards and Technology. The calibration system was designed to meet the intent of ANSI Z540-1-1994.

PHILIP YEH
ROSEMOUNT REPRESENTATIVE

EMERSON.
Process Management

29 May, 2006

Emerson Process Management
Asia Pacific Private Limited
1 Pandan Crescent
Singapore 128461
Company Reg. No.: 196500174M

Calibration Data Sheet Consistent with ISO 10474 2.1 or EN 10204

Customer Information

Name: EMERSON PROCESS MANAGEMENT AUSTRALIA
PO: 70105581
End Customer Name: EMERSON PROCESS MANAGEMENT AUS
End Customer PO: NA
End Customer SO: 79003306

Manufacturer Information

Sales Order: 00466932
Line: 6

Device Information

Device Type: Pressure Transmitter
Tag No: 500-FIT-011
Serial No: 01508096
Model No: 3051SFADS240ZCHFS2A1A0032AA2F3Q4M8T1

Module Serial No: 2968334
Output: Sq Root

Calibration Information

Factory: SINGAPORE
Station Name: L001
Operator ID: 1497
Calibration Date: 5/29/2006 6:42:34PM

Calibration Data

Range: 0.000 TO 8.860 kPa

% of Range	Applied Pressure	Requested Applied Pressure	Analog Output (mA)	% Reading (Except for 0% Point)	Pass/Fail
100.001	35.634 InH2O@20degC	8.8601 kPa	19.9960	0.0250	PASS
56.250	20.044 InH2O@20degC	4.9838 kPa	15.9992	0.0067	PASS
24.999	8.908 InH2O@20degC	2.2149 kPa	12.0008	-0.0125	PASS
6.250	2.227 InH2O@20degC	0.5537 kPa	8.0028	-0.0700	PASS
0.000	0.000 InH2O@20degC	0.0000 kPa	4.0022	0.0022 mA	PASS

This is to certify that the listed product meets the applicable Rosemount Specifications. Measuring and test equipment used in the manufacture and inspection of the listed product are traceable to the National Institute of Standards and Technology. The calibration system was designed to meet the intent of ANSI Z540-1-1994.

PHILIP YEH
ROSEMOUNT REPRESENTATIVE

EMERSON.
Process Management

29 May, 2006

Emerson Process Management
Asia Pacific Private Limited
1 Pandan Crescent
Singapore 128461
Company Reg. No.: 196500174M

Calibration Data Sheet Consistent with ISO 10474 2.1 or EN 10204

Customer Information

Name: EMERSON PROCESS MANAGEMENT AUSTRALIA
PO: 70105581
End Customer Name: EMERSON PROCESS MANAGEMENT AUS
End Customer PO: NA
End Customer SO: 79003306

Manufacturer Information

Sales Order: 00466932
Line: 16

Device Information

Device Type: Pressure Transmitter
Tag No: 500-FIT-113
Serial No: 01508101
Model No: 3051SFADS080CCDFS1A1A0031AA1B1RLQ4M5T1F0018
Module Serial No: 3010615
Output: Sq Root

Calibration Information

Factory: SINGAPORE
Station Name: L003
Operator ID: 1497
Calibration Date: 5/29/2006 6:21:22PM

Calibration Data

Range: 0.000 TO 2.340 kPa

% of Range	Applied Pressure	Requested Applied Pressure	Analog Output (mA)	% Span Error	Pass/Fail
99.998	9.411 InH2O@20degC	2.3400 kPa	19.9996	-0.0012	PASS
56.253	5.294 InH2O@20degC	1.3163 kPa	16.0004	0.0013	PASS
25.002	2.353 InH2O@20degC	0.5851 kPa	12.0006	0.0013	PASS
6.248	0.588 InH2O@20degC	0.1462 kPa	7.9972	-0.0137	PASS
0.000	0.000 InH2O@20degC	0.0000 kPa	3.9984	-0.0100	PASS

This is to certify that the listed product meets the applicable Rosemount Specifications. Measuring and test equipment used in the manufacture and inspection of the listed product are traceable to the National Institute of Standards and Technology. The calibration system was designed to meet the intent of ANSI Z540-1-1994.

PHILIP YEH
ROSEMOUNT REPRESENTATIVE

APPENDIX 4

GAS ANALYSES RESULTS

WAIRAKEI ANALYTICAL LABORATORY
Private Bag 2000, Taupo
Phone: (07) 374 8211
Fax: (07) 374 8199
e.mail: w.labmanager@gns.cri.nz

To:
K Foong
Lihir Gold Ltd
P O Box 789
Port Moresby
Papua New Guinea

ANALYTICAL REPORT: Lihir Gases December 2006

	Lab. Ref. no.	2603185	2603186	2603187	2603188	2603189
	Sample Date	1/12/2006	1/12/2006	1/12/2006	1/12/2006	1/12/2006
	Site ID	GW 24	GW26	GW 28	GW30MW	GW1310 10A
Carbon dioxide	**mmol/100moles H2O**	771	751	871	745	384
Hydrogen sulphide	**mmol/100moles H2O**	12.9	22	36	24	33
Argon	**mmol/100moles H2O**	0.61 (0.41)	0.035 (0.019)	0.64 (0.57)	0.026 (0.024)	0.015 (0.013)
Helium	**mmol/100moles H2O**	0.006	0.006	0.0005	0.006	0.002
Hydrogen	**mmol/100moles H2O**	1.4	2.1	3.5	2.3	3.4
Methane	**mmol/100moles H2O**	2.2	2.7	0.44	2.3	0.40
Nitrogen	**mmol/100moles H2O**	52 (35)	7.2 (5.8)	56 (50)	6.3 (6.2)	1.8 (1.7)
Oxygen	**mmol/100moles H2O**	4.4 (<0.001)	0.36 (<0.001)	1.6 (<0.001)	0.036 (<0.001)	0.037 (<0.001)

Analyst Comments : The results pertain to samples as received. GNS accepts no responsibility for reports reproduced, except in full. Gas samples are held in storage for a period of two (2) months after the reporting of results.

[1] The numbers in brackets have been normalised to zero oxygen.

Report Date	**17/01/2007**
Report No.	**WAL061214003**
Page	**1 of 2**

Marshall Muller
Analyst

Bruce Mountain,Ph.D.
Geochemist

WAIRAKEI ANALYTICAL LABORATORY
Private Bag 2000, Taupo
Phone: (07) 374 8211
Fax: (07) 374 8199
e.mail: w.labmanager@gns.cri.nz

To:
K Foong
Lihir Gold Ltd
P O Box 789
Port Moresby
Papua New Guinea

ANALYTICAL REPORT: Lihir Waters December 2006

	Lab. Ref. no.	2603190	2603191	2603192	2603193	2603194
	Sample Date	1/12/2006	1/12/2006	1/12/2006	1/12/2006	1/12/2006
	Site ID	GW24	GW26	GW28	GW30MW	GW1310A
Sodium	mg/L	0.44	0.2	2.8	21	8.3
Chloride	mg/L	0.17	0.33	1.5	5.2	6.6

Analyst Comments: The results pertain to samples as received. GNS accepts no responsibility for reports reproduced, except in full. Samples are held in storage for a period of twelve (12) months after the reporting of results.

Report Date	**17/01/2007**
Report Number	**WAL061214003**
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ANALYTICAL REPORT: Lihir Gases March 2007

	Laboratory Ref. No Collection Date Field ID	2700532 19/03/2007 LIHGW24	2700533 19/03/2007 LIHGW26	2700534 19/03/2007 LIHGW28	2700535 19/03/2007 LIHGW37	2700536 19/03/2007 LIHGW38	2700537 19/03/2007 LIHGW30MW SCRUBBER
Carbon Dioxide	mmoles/100 moles H2O	624	587	915 (916)	708	616	654
Hydrogen sulphide	mmoles/100 moles H2O	11.8	16.7	39	15.6	16.7	21
Ammonia	mmoles/100 moles H2O	2.1	1.4	0.71	1.4	1.2	1.4
Argon	mmoles/100 moles H2O	0.012 (0.011)	0.018	0.46 (0.33)	0.016	0.33 (0.24)	0.008
Helium	mmoles/100 moles H2O	0.006	0.006	0.005	0.005	0.006	0.006
Hydrogen	mmoles/100 moles H2O	1.1	1.8	3.2	1.5	1.7	2.0
Methane	mmoles/100 moles H2O	2.3	2.3	0.55	1.5	3.1	1.9
Nitrogen	mmoles/100 moles H2O	5.2	4.8	41 (30)	4.7	33 (25)	4.9
Oxygen	mmoles/100 moles H2O	0.012 (<0.001)	<0.001	3.0 (<0.001)	0.013 (<0.001)	2.0 (<0.001)	0.006 (<0.001)
WPP †	bg	13.3	7.6	5.9	7.0	6.3	4.3
SPP †	bg	5.4	5.4	5.2	4.0	4.0	---

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Note: The results in brackets have been normalised to zero oxygen

Report Date	**24/04/2007**
Report No.	**WAL070326001G**
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ANALYTICAL REPORT: Lihir Condensates March 2007

	Laboratory Ref. No	2700532	2700533	2700534	2700535	2700536	2700537
	Collection Date	19/03/2007	19/03/2007	19/03/2007	19/03/2007	19/03/2007	19/03/2007
	Field ID	LIHGW24	LIHGW26	LIHGW28	LIHGW37	LIHGW38	LIHGW30MW SCRUBBER
Calcium	mg/L	0.06	0.06	0.17	0.68	0.18	0.34
Chloride	mg/L	0.37	0.24	4.2	3.0	0.78	0.46
Fluoride	mg/L	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Iron	mg/L	0.20	0.25	0.45	1.9	2.3	3.0
Magnesium	mg/L	<0.01	<0.01	0.02	0.24	0.04	0.03
Potassium	mg/L	1.1	0.71	0.49	3.4	1.6	0.48
Sodium	mg/L	<0.7	<0.7	3.5	4.1	0.91	0.75
Sulphate	mg/L	4.5	5.0	10.4	1.8	6.7	16.6
Analysis temperature	^{0} C	19	19	19	---	---	19
pH		5.49	5.35	4.95	---	---	5.30
pH/ Date Analysed		4/4/07	4/4/07	4/4/07	---	---	4/4/07

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ANALYTICAL REPORT: Lihir Geothermal Wells June 2007

	Laboratory Ref. No	2701249	2701250	2701251	2701252	2701253	2701254	2701255	2701256	2701257	2701258
	Collection Date	17/06/2007	17/06/2007	23/06/2007	23/06/2007	23/06/2007	23/06/2007	25/06/2007	25/06/2007	26/06/2007	26/06/2007
	Field ID	GW45 Mini sep	GW45 Weirbox	GW40 Mini sep	GW48 Mini sep	GW45 Mini sep	GW45 Weirbox	GW45 Mini sep	GW45 Weirbox	GW49 Annulus Bailed	GW49 Mousehole Bailed
Bicarbonate (total)	mg/L	2158	2291	414	650	2174	2284	2542	2274	49	80
pH		8.86	8.98	8.34	8.74	8.88	9.03	7.60	9.00	8.29	7.42
Analysis temperature	°C	17	17	18	17	17	17	17	17	19	18
Ammonia (total as NH3)	mg/L	4.9	2.8	1.7	2.0	4.3	2.2	5.8	2.4	0.76	2.4
Arsenic	mg/L	13.1	14.8	21.2	19.1	11.5	14.5	12.6	14.4	0.16	0.19
Boron	mg/L	128	142	182	166	123	141	123	138	2.3	1.1
Calcium	mg/L	30	32	47	18.9	30	33	29	32	63	398
Cesium	mg/L	1.1	1.2	1.7	1.6	1.1	1.3	1.1	1.3	<0.02	0.021
Chloride	mg/L	17837	19202	30156	28339	18762	19913	16638	19926	6.9	8.9
Fluoride	mg/L	5.4	5.8	12.0	10.5	5.3	5.8	4.8	5.4	0.34	0.32
Lithium	mg/L	16.6	18.7	13.2	16.9	16.1	18.5	15.9	17.9	0.13	0.043
Magnesium	mg/L	1.4	1.1	<0.01	<0.01	1.1	2.0	1.5	1.2	0.40	29
Potassium	mg/L	2832	3264	5651	5405	2877	3312	2840	3190	61	18.3
Rubidium	mg/L	6.2	7.0	12.1	11.3	6.0	7.4	5.8	6.9	0.19	0.02
Silica (as SiO2)	mg/L	528	520	404	514	391	459	512	627	96	22
Sodium	mg/L	16680	19130	28140	27285	16430	18880	16075	17920	31	75
Sulphate	mg/L	16019	18599	35085	35477	17074	19389	16821	18870	267	918

Analyst Comments : The results pertain to samples as received. GNS accepts no responsibility for reports reproduced, except in full. Samples are held in storage for a period of twelve (12) months after the reporting of results.

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ANALYTICAL REPORT: Lihir Geothermal Wells June 2007

	Laboratory Ref. No Collection Date Field ID	2701259 17/06/2007 GW45	2701260 23/06/2007 GW40	2701261 23/06/2007 GW48	2701262 23/06/2007 GW45	2701263 25/06/2007 GW45	2701264 23/06/2007 GW37
Carbon Dioxide	mmoles/100 moles H2O	2387	607	529	1997	1847	593
Hydrogen sulphide	mmoles/100 moles H2O	16.7	15.6	13.2	18.4	15.5	14.9
Ammonia	mmoles/100 moles H2O	4.1	1.6	2.0	3.8	3.8	1.8
Argon	mmoles/100 moles H2O	0.049	0.39	0.010	0.037	0.037	0.040
Helium	mmoles/100 moles H2O	0.013	0.004	0.003	0.013	0.009	0.005
Hydrogen	mmoles/100 moles H2O	0.42	1.2	0.90	0.44	0.28	1.6
Methane	mmoles/100 moles H2O	9.7	1.1	1.2	10.6	7.5	1.5
Nitrogen	mmoles/100 moles H2O	12.2	36	3.2	13.0	9.1	6.3
Oxygen	mmoles/100 moles H2O	0.005	1.5	0.065	0.015	0.002	0.033

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Report Number	**WAL070706002**
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ANALYTICAL REPORT: Lihir Geothermal Wells June 2007

	Laboratory Ref. No Collection Date Field ID	2701265 23/06/2007 GW38	2701266 23/06/2007 GW39	2701267 23/06/2007 GW20W	2701268 1/06/2007 GW26	2701269 1/06/2007 GW28	2701270 1/06/2007 GW30 MW SCRUBBER
Carbon Dioxide	mmoles/100 moles H2C	803	680	618	609	805	529
Hydrogen sulphide	mmoles/100 moles H2C	18.2	28	16.1	18.4	38	22
Ammonia	mmoles/100 moles H2C	1.8	0.83	1.3	1.5	0.70	1.5
Argon	mmoles/100 moles H2C	0.034	0.014	0.032	0.022	0.006	0.028
Helium	mmoles/100 moles H2C	0.010	0.004	0.006	0.007	0.004	0.007
Hydrogen	mmoles/100 moles H2C	1.9	2.9	1.7	2.3	3.3	2.3
Methane	mmoles/100 moles H2C	4.9	1.1	2.3	3.4	0.43	2.9
Nitrogen	mmoles/100 moles H2C	9.5	4.2	6.4	6.6	3.8	7.2
Oxygen	mmoles/100 moles H2C	0.007	0.014	0.020	0.002	0.002	0.032

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WELL-TESTING RESULTS

Well	Bore Status	Sample Date	WHP [barg]	Enthalpy [kJ/kg]	CO_2 [wt%]	CH_4 [wt%]	Total Discharge CO_2 [mg/kg]	Total Discharge CH_4 [mg/kg]
GW24	Production	19/03/2007	13.3	2787	1.52	0.0020	15244	20.5
GW26	Production	1/06/2007	8.1	2700	1.49	0.0030	14878	30.3
GW27	Discharge	29/06/2006	21.3	2700	3.89	0.0039	38941	39.2
GW28	Production	1/06/2007	7.3	2770	1.97	0.0004	19666	3.8
GW37	Production	23/06/2007	7.3	2700	1.45	0.0013	14487	13.4
GW38	Production	23/06/2007	7.5	2700	1.96	0.0044	19617	43.6
GW39	Production	23/06/2007	6.7	2700	1.66	0.0010	16612	9.8
GW40	Production	23/06/2007	7.2	1427	1.48	0.0010	5274	3.5
GW42	Discharge	19/12/2006	5.9	2800	0.94	0.0003	9405	2.6
GW45	Discharge	25/06/2007	9.8	1043	4.51	0.0067	9978	14.8
GW48	Production	23/06/2007	7.5	1044	1.29	0.0011	2246	1.9
GW49	Discharge	9/07/2007	11.8	1300	1.59	0.0020	3997	5.2

Well	Date Tested	Wellhead Pressure	Steam Flow
		bar gauge	t/h
GW-24	10-Oct-06	11.8	109
GW-24	30-Oct-06	10.2	113
GW-24	28-Nov-06	9.2	118
GW-24	31-Dec-06	10.3	111
GW-24	20-Mar-07	8.0	117
GW-24	20-Mar-07	8.0	117
GW-24	17-May-07	7.4	110
GW-26	**04-Sep-06**	**8.2**	**176**
GW-26	**10-Oct-06**	**8.5**	**163**
GW-26	**30-Oct-06**	**8.7**	**156**
GW-26	**31-Dec-06**	**8.0**	**157**
GW-26	**20-Mar-07**	**7.0**	**154**
GW26	**22-Apr-07**	**7.0**	**135**
GW26	**15-May-07**	**7.5**	**131**
GW-28	04-Sep-06	6.9	72
GW-28	10-Oct-06	7.4	73
GW-28	28-Nov-06	7.6	68
GW-28	31-Dec-06	6.9	69
GW-28	31-Jan-07	6.0	157
GW-28	20-Mar-07	6.1	161
GW-28	22-Apr-07	6.2	65
GW-28	16-May-07	6.8	62
GW-28	19-Jun-07	5.2	65
GW-28	23-Jul-07	5.3	65
GW-37	**20-Mar-07**	**6.1**	**111**
GW-37	**21-Apr-07**	**7.7**	**90**
GW-37	**20-Jun-07**	**7.3**	**91**
GW-37	**23-Jul-07**	**7.3**	**92**
GW-38	21-Apr-07	8.1	84
GW-38	20-Jun-07	7.5	93
GW-38	23-Jul-07	7.1	97
GW-39	**21-Apr-07**	**6.3**	**48**
GW-39	**16-May-07**	**6.0**	**47**
GW-39	**20-Jun-07**	**6.7**	**44**
GW-39	**23-Jul-07**	**6.8**	**43**
GW-40	22-Apr-07	7.3	67
GW-40	16-May-07	7.0	58
GW-40	19-Jun-07	7.2	61
GW-40	23-Jul-07	7.2	56
GW-48	**18-Jun-07**	**6.0**	**35**
GW-48	**23-Jul-07**	**6.0**	**36**

APPENDIX 5

POWER GENERATION RAW DATA

OCTOBER 2006

Date	GN101		GN201		GN301		GN401		GN501		Gross Power Production
	Meter Reading	24hr Difference	Meter Reading	24hr Difference	Meter Reading	24hr Difference	Meter Reading	24hr Difference	Meter Reading	24hr Difference	
	MWhrs	MWhrs	MWhrs	MWhrs	MWhrs	MWhrs	MWhrs	MWhrs	MWhrs	MWhrs	
1/10/2006	105333	210	110546	230	100821	254					694
2/10/2006	105542	209	110775	229	101075	254					692
3/10/2006	105765	223	111003	228	101328	253					704
4/10/2006	105979	214	111231	228	101582	254					696
5/10/2006	106204	225	111460	229	101836	254					708
6/10/2006	106429	225	111689	229	102090	254					708
7/10/2006	106662	233	111930	241	102351	261					735
8/10/2006	106895	233	112170	240	102609	258					731
9/10/2006	107127	232	112410	240	102865	256					728
10/10/2006	107360	233	112619	209	103071	206					648
11/10/2006	107564	204	112864	245	103332	261					710
12/10/2006	107801	237	113107	243	103594	262					742
13/10/2006	108036	235	113351	244	103857	263					742
14/10/2006	108270	234	113590	239	103985	128					601
15/10/2006	108504	234	113832	242	104245	260					736
16/10/2006	108739	235	114074	242	104508	263					740
17/10/2006	108972	233	114316	242	104771	263					738
18/10/2006	109205	233	114556	240	105032	261					734
19/10/2006	109429	224	114788	232	105284	252					708
20/10/2006	109657	228	115025	237	105540	256					721
21/10/2006	109891	234	115266	241	105803	263					738
22/10/2006	110123	232	115506	240	106064	261					733
23/10/2006	110355	232	115746	240	106326	262					734
24/10/2006	110588	233	115987	241	106590	264					738
25/10/2006	110821	233	116229	242	106854	264					739
26/10/2006	111056	235	116471	242	107119	265					742
27/10/2006	111285	229	116709	238	107378	259					726
28/10/2006	111515	230	116947	238	107637	259					727
29/10/2006	111729	214	117168	221	107876	239					674
30/10/2006	111955	226	117400	232	108116	240					698
31/10/2006	112188	233	117642	242	108382	266					741
Total		**7065**		**7326**		**7815**					**22 206**

NOVEMBER 2006

Date	GN101		GN201		GN301		GN401		GN501		Gross Power Production
	Meter Reading	24hr Difference	Meter Reading	24hr Difference	Meter Reading	24hr Difference	Meter Reading	24hr Difference	Meter Reading	24hr Difference	
	MWhrs	MWhrs	MWhrs	MWhrs	MWhrs	MWhrs	MWhrs	MWhrs	MWhrs	MWhrs	
1/11/2006	112422	234	117886	244	108648	266					744
2/11/2006	112587	165	118127	241	108909	261					667
3/11/2006	112815	228	118363	236	109168	259					723
4/11/2006	113047	232	118603	240	109432	264					736
5/11/2006	113276	229	118838	235	109690	258					722
6/11/2006	113510	234	119079	241	109955	265					740
7/11/2006	113744	234	119320	241	110220	265					740
8/11/2006	113979	235	119562	242	110486	266					743
9/11/2006	114215	236	119803	241	110749	263					740
10/11/2006	114449	234	120045	242	111015	266					742
11/11/2006	114684	235	120288	243	111282	267					745
12/11/2006	114918	234	120530	242	111548	266					742
13/11/2006	115151	233	120770	240	111813	265					738
14/11/2006	115385	234	121012	242	112079	266					742
15/11/2006	115620	235	121263	251	112344	265					751
16/11/2006	115839	219	121477	214	112577	233					666
17/11/2006	116072	233	121719	242	112746	169					644
18/11/2006	116307	235	121961	242	113005	259					736
19/11/2006	116541	234	122202	241	113270	265					740
20/11/2006	116774	233	122443	241	113535	265					739
21/11/2006	117006	232	122680	237	113796	261					730
22/11/2006	117235	229	122914	234	114043	247					710
23/11/2006	117462	227	123124	210	114288	245					682
24/11/2006	117691	229	123133	9	114540	252					490
25/11/2006	117921	230	123345	212	114802	262					704
26/11/2006	118154	233	123588	243	115066	264					740
27/11/2006	118385	231	123830	242	115329	263					736
28/11/2006	118618	233	124073	243	115593	264					740
29/11/2006	118849	231	124315	242	115856	263					736
30/11/2006	119147	298	124627	312	116195	339					949
Total		**6959**		**6985**		**7813**					**21757**

DECEMBER 2006

Date	GN101		GN201		GN301		GN401		GN501		Gross Power Production
	Meter Reading	24hr Difference	Meter Reading	24hr Difference	Meter Reading	24hr Difference	Meter Reading	24hr Difference	Meter Reading	24hr Difference	
	MWhrs	MWhrs	MWhrs	MWhrs	MWhrs	MWhrs	MWhrs	MWhrs	MWhrs	MWhrs	
1/12/2006	119256	109	124768	141	116294	99					349
2/12/2006	119488	232	125006	238	116555	261					731
3/12/2006	119719	231	125248	242	116778	223					696
4/12/2006	119918	199	125456	208	117004	226					633
5/12/2006	120119	201	125668	212	117217	213					626
6/12/2006	120352	233	125910	242	117479	262					737
7/12/2006	120584	232	126153	243	117743	264					739
8/12/2006	120817	233	126382	229	117967	224					686
9/12/2006	121048	231	126604	222	118219	252					705
10/12/2006	121268	220	126830	226	118456	237					683
11/12/2006	121491	223	127064	234	118702	246					703
12/12/2006	121712	221	127295	231	118837	135					587
13/12/2006	121938	226	127526	231	119051	214					671
14/12/2006	122157	219	127747	221	119280	229					669
15/12/2006	122384	227	127973	226	119528	248					701
16/12/2006	122591	207	128169	196	119757	229					632
17/12/2006	122819	228	128396	227	120018	261					716
18/12/2006	123047	228	128622	226	120246	228					682
19/12/2006	123274	227	128845	223	120410	164					614
20/12/2006	123501	227	129075	230	120659	249					706
21/12/2006	123727	226	129311	236	120906	247					709
22/12/2006	123953	226	129547	236	121155	249					711
23/12/2006	124177	224	129781	234	121409	254					712
24/12/2006	124402	225	130015	234	121649	240					699
25/12/2006	124628	226	130248	233	121894	245					704
26/12/2006	124848	220	130476	228	122142	248					696
27/12/2006	125070	222	130701	225	122389	247					694
28/12/2006	125294	224	130925	224	122636	247					695
29/12/2006	125519	225	131151	226	122884	248					699
30/12/2006	125744	225	131378	227	123132	248					700
31/12/2006	125968	224	131605	227	123382	250					701
Total		**6821**		**6978**		**7187**					**20986**

JANUARY 2007

Date	GN101		GN201		GN301		GN401		GN501		Gross Power Production
	Meter Reading	24hr Difference	Meter Reading	24hr Difference	Meter Reading	24hr Difference	Meter Reading	24hr Difference	Meter Reading	24hr Difference	
	MWhrs	MWhrs	MWhrs	MWhrs	MWhrs	MWhrs	MWhrs	MWhrs	MWhrs	MWhrs	
1/01/2007	126415	224	132056	227	123628	246					697
2/01/2007	126640	225	132277	221	123874	246					692
3/01/2007	126866	226	132491	214	124120	246					686
4/01/2007	127091	225	132727	236	124245	125					586
5/01/2007	127317	226	132963	236	124245	0					462
6/01/2007	127545	228	133198	235	124245	0					463
7/01/2007	127771	226	133434	236	124245	0					462
8/01/2007	127999	228	133668	234	124245	0					462
9/01/2007	128229	230	133905	237	124245	0					467
10/01/2007	128456	227	134138	233	124245	0					460
11/01/2007	128684	228	134373	235	124245	0					463
12/01/2007	128912	228	134609	236	124245	0					464
13/01/2007	129140	228	134842	233	124245	0					461
14/01/2007	129203	63	134899	57	124245	0					120
15/01/2007	129203	0	134899	0	124245	0					0
16/01/2007	129203	0	134899	0	124245	0					0
17/01/2007	129203	0	134899	0	124245	0					0
18/01/2007	129203	0	134899	0	124245	0					0
19/01/2007	129203	0	134899	0	124245	0					0
20/01/2007	129203	0	134899	0	124245	0					0
21/01/2007	129203	0	134899	0	124245	0					0
22/01/2007	129203	0	134899	0	124245	0					0
23/01/2007	129203	0	134899	0	124245	0					0
24/01/2007	129203	0	134899	0	124245	0					0
25/01/2007	129214	11	134957	58	124245	0					69
26/01/2007	129343	129	135093	136	124245	0					265
27/01/2007	129531	188	135279	186	124245	0					374
28/01/2007	129764	233	135458	179	124245	0					412
29/01/2007	129998	234	135697	239	124245	0					473
30/01/2007	130231	233	135938	241	124245	0					474
31/01/2007	130466	235	136180	242	124245	0					477
Total		**4275**		**4351**		**863**					**9489**

FEBRUARY 2007

Date	GN101		GN201		GN301		GN401		GN501		Gross Power Production
	Meter Reading	24hr Difference	Meter Reading	24hr Difference	Meter Reading	24hr Difference	Meter Reading	24hr Difference	Meter Reading	24hr Difference	
	MWhrs	MWhrs	MWhrs	MWhrs	MWhrs	MWhrs	MWhrs	MWhrs	MWhrs	MWhrs	
1/02/2007	130701	235	136424	244	124245	0	0	0			479
2/02/2007	130899	198	136666	242	124245	0	0	0			440
3/02/2007	131131	232	136897	231	124245	0	0	0			463
4/02/2007	131364	233	137037	140	124245	0	0	0			373
5/02/2007	131597	233	137259	222	124245	0	1	1			456
6/02/2007	131836	239	137500	241	124245	0	1	0			480
7/02/2007	132071	235	137742	242	124245	0	1	0			477
8/02/2007	132306	235	137986	244	124245	0	1	0			479
9/02/2007	132543	237	138232	246	124245	0	1	0			483
10/02/2007	132750	207	138476	244	124245	0	1	0			451
11/02/2007	133017	267	138720	244	124245	0	1	0			511
12/02/2007	133255	238	138967	247	124245	0	1	0			485
13/02/2007	133491	236	139212	245	124245	0	2	1			482
14/02/2007	133731	240	139460	248	124245	0	2	0			488
15/02/2007	133968	237	139706	246	124245	0	2	0			483
16/02/2007	134206	238	139953	247	124245	0	2	0			485
17/02/2007	134443	237	140200	247	124245	0	2	0			484
18/02/2007	134682	239	140446	246	124245	0	2	0			485
19/02/2007	134920	238	140694	248	124245	0	2	0			486
20/02/2007	135160	240	140944	250	124245	0	2	0			490
21/02/2007	135399	239	141191	247	124245	0	2	0			486
22/02/2007	135638	239	141438	247	124245	0	12	10			496
23/02/2007	135879	241	141686	248	124245	0	88	76			565
24/02/2007	136121	242	141932	246	124245	0	326	238			726
25/02/2007	136361	240	142178	246	124245	0	570	244			730
26/02/2007	136600	239	142425	247	124245	0	815	245			731
27/02/2007	136839	239	142670	245	124245	0	1059	244			728
28/02/2007	137078	239	142919	249	124245	0	1306	247			735
Total		**6612**		**6739**		**0**		**1306**			**14657**

MARCH 2007

Date	GN101		GN201		GN301		GN401		GN501		Gross Power Production
	Meter Reading	24hr Difference	Meter Reading	24hr Difference	Meter Reading	24hr Difference	Meter Reading	24hr Difference	Meter Reading	24hr Difference	
	MWhrs	MWhrs	MWhrs	MWhrs	MWhrs	MWhrs	MWhrs	MWhrs	MWhrs	MWhrs	
1/03/2007	137316	238	143169	250	124245	0	1554	248	58	0	736
2/03/2007	137554	238	143417	248	124245	0	1803	249	184	126	861
3/03/2007	137793	239	143662	245	124245	0	2051	248	318	134	866
4/03/2007	138032	239	143903	241	124245	0	2119	68	407	89	637
5/03/2007	138268	236	144149	246	124245	0	2119	0	407	0	482
6/03/2007	138499	231	144391	242	124245	0	2119	0	407	0	473
7/03/2007	138734	235	144629	238	124245	0	2119	0	407	0	473
8/03/2007	138968	234	144868	239	124245	0	2119	0	407	0	473
9/03/2007	139175	207	145085	217	124245	0	2204	85	435	28	537
10/03/2007	139369	194	145285	200	124245	0	2446	242	475	40	676
11/03/2007	139599	230	145531	246	124245	0	2660	214	481	6	696
12/03/2007	139797	198	145764	233	124245	0	2784	124	572	91	646
13/03/2007	139949	152	146007	243	124245	0	2829	45	779	207	647
14/03/2007	140102	153	146252	245	124245	0	2993	164	886	107	669
15/03/2007	140279	177	146499	247	124245	0	3180	187	963	77	688
16/03/2007	140355	76	146587	88	124245	0	3248	68	963	0	232
17/03/2007	140623	268	146894	307	124245	0	3248	0	963	0	575
18/03/2007	140823	200	147146	252	124245	0	3248	0	963	0	452
19/03/2007	140992	169	147320	174	124245	0	3248	0	963	0	343
20/03/2007	141232	240	147557	237	124245	0	3248	0	963	0	477
21/03/2007	141473	241	147794	237	124245	0	3248	0	963	0	478
22/03/2007	141596	123	148044	250	124245	0	3248	0	963	0	373
23/03/2007	141836	240	148294	250	124245	0	3248	0	963	0	490
24/03/2007	142132	296	148503	209	124245	0	3248	0	963	0	505
25/03/2007	142269	137	148750	247	124245	0	3248	0	963	0	384
26/03/2007	142505	236	149000	250	124245	0	3248	0	963	0	486
27/03/2007	142744	239	149249	249	124245	0	3248	0	963	0	488
28/03/2007	142987	243	149492	243	124245	0	3262	14	963	0	500
29/03/2007	143174	187	149725	233	124245	0	3393	131	1190	227	778
30/03/2007	143357	183	149937	212	124247	2	3524	131	1426	236	764
31/03/2007	143541	184	150145	208	124247	0	3627	103	1655	229	724
Total		**6463**		**7226**		**2**		**2321**		**1597**	**17609**

APRIL 2007

Date	GN101		GN201		GN301		GN401		GN501		Gross Power Production
	Meter Reading	24hr Difference	Meter Reading	24hr Difference	Meter Reading	24hr Difference	Meter Reading	24hr Difference	Meter Reading	24hr Difference	
	MWhrs	MWhrs	MWhrs	MWhrs	MWhrs	MWhrs	MWhrs	MWhrs	MWhrs	MWhrs	
1/04/2007	143715	174	150313	168	124250	3	3860	233	1887	232	810
2/04/2007	143880	165	150477	164	124259	9	4093	233	2117	230	801
3/04/2007	144065	185	150673	196	124270	11	4334	241	2357	240	873
4/04/2007	144266	201	150817	144	124286	16	4584	250	2606	249	860
5/04/2007	144462	196	151023	206	124328	42	4825	241	2846	240	925
6/04/2007	144665	203	151225	202	124328	0	5072	247	3092	246	898
7/04/2007	144865	200	151425	200	124328	0	5320	248	3339	247	895
8/04/2007	145058	193	151622	197	124378	50	5564	244	3587	248	932
9/04/2007	145229	171	151786	164	124487	109	5817	253	3839	252	949
10/04/2007	145388	159	151909	123	124721	234	6073	256	4094	255	1027
11/04/2007	145513	125	152101	192	124943	222	6324	251	4343	249	1039
12/04/2007	145691	178	152287	186	125177	234	6572	248	4590	247	1093
13/04/2007	145865	174	152470	183	125411	234	6812	240	4829	239	1070
14/04/2007	146030	165	152665	195	125647	236	7054	242	5070	241	1079
15/04/2007	146220	190	152865	200	125886	239	7211	157	5316	246	1032
16/04/2007	146416	196	153070	205	126122	236	7454	243	5558	242	1122
17/04/2007	146629	213	153293	223	126331	209	7698	244	5801	243	1132
18/04/2007	146782	153	153486	193	126462	131	7893	195	6001	200	872
19/04/2007	146979	197	153682	196	126699	237	8116	223	6241	240	1093
20/04/2007	147182	203	153884	202	126937	238	8362	246	6481	240	1129
21/04/2007	147386	204	154088	204	127173	236	8607	245	6721	240	1129
22/04/2007	147578	192	154287	199	127409	236	8854	247	6969	248	1122
23/04/2007	147768	190	154484	197	127644	235	9101	247	7209	240	1109
24/04/2007	147953	185	154652	168	127879	235	9343	242	7449	240	1070
25/04/2007	148140	187	154832	180	128117	238	9585	242	7689	240	1087
26/04/2007	148330	190	155024	192	128356	239	9837	252	7935	246	1119
27/04/2007	148461	131	155212	188	128576	220	10041	204	8183	248	991
28/04/2007	148657	196	155417	205	128797	221	10271	230	8411	228	1080
29/04/2007	148848	191	155618	201	129040	243	10513	242	8653	242	1119
30/04/2007	149030	182	155810	192	129284	244	10758	245	8896	243	1106
Total		**5489**		**5665**		**5037**		**7131**		**7241**	**30563**

MAY 2007

Date	GN101		GN201		GN301		GN401		GN501		Gross Power Production
	Meter Reading	24hr Difference	Meter Reading	24hr Difference	Meter Reading	24hr Difference	Meter Reading	24hr Difference	Meter Reading	24hr Difference	
	MWhrs	MWhrs	MWhrs	MWhrs	MWhrs	MWhrs	MWhrs	MWhrs	MWhrs	MWhrs	
1/05/2007	149210	180	156004	194	129526	242	11004	246	9141	245	1107
2/05/2007	149391	181	156195	191	129758	232	11250	246	9382	241	1091
3/05/2007	149557	166	156379	184	130002	244	11494	244	9625	243	1081
4/05/2007	149767	210	156567	188	130243	241	11735	241	9865	240	1120
5/05/2007	149951	184	156752	185	130484	241	11978	243	10107	242	1095
6/05/2007	150138	187	156935	183	130725	241	12221	243	10349	242	1096
7/05/2007	150320	182	157118	183	130851	126	12470	249	10597	248	988
8/05/2007	150490	170	157293	175	131086	235	12718	248	10836	239	1067
9/05/2007	150663	173	157469	176	131323	237	12926	208	11080	244	1038
10/05/2007	150832	169	157642	173	131565	242	13177	251	11320	240	1075
11/05/2007	151025	193	157831	189	131783	218	13395	218	11573	253	1071
12/05/2007	151212	187	158023	192	132012	229	13651	256	11829	256	1120
13/05/2007	151410	198	158240	217	132265	253	13902	251	12080	251	1170
14/05/2007	151561	151	158388	148	132409	144	14097	195	12256	176	814
15/05/2007	151755	194	158597	209	132608	199	14348	251	12506	250	1103
16/05/2007	151959	204	158813	216	132810	202	14601	253	12757	251	1126
17/05/2007	152125	166	159018	205	133006	196	14851	250	13006	249	1066
18/05/2007	152125	0	159230	212	133208	202	15103	252	13257	251	917
19/05/2007	152125	0	159446	216	133414	206	15358	255	13511	254	931
20/05/2007	152125	0	159664	218	133625	211	15615	257	13766	255	941
21/05/2007	152125	0	159881	217	133835	210	15873	258	14023	257	942
22/05/2007	152125	0	160088	207	134034	199	16130	257	14279	256	919
23/05/2007	152125	0	160298	210	134235	201	16388	258	14535	256	925
24/05/2007	152127	2	160510	212	134451	216	16647	259	14793	258	947
25/05/2007	152223	96	160719	209	134662	211	16901	254	15046	253	1023
26/05/2007	152418	195	160920	201	134852	190	17150	249	15293	247	1082
27/05/2007	152606	188	161116	196	135037	185	17395	245	15536	243	1057
28/05/2007	152792	186	161308	192	135219	182	17646	251	15785	249	1060
29/05/2007	152987	195	161511	203	135439	220	17897	251	16035	250	1119
30/05/2007	153193	206	161729	218	135684	245	18149	252	16286	251	1172
31/05/2007	153389	196	161950	221	135926	242	18398	249	16534	248	1156
Total		**4359**		**6140**		**6642**		**7640**		**7638**	**32419**

JUNE 2007

Date	GN101		GN201		GN301		GN401		GN501		Gross Power Production
	Meter Reading	24hr Difference	Meter Reading	24hr Difference	Meter Reading	24hr Difference	Meter Reading	24hr Difference	Meter Reading	24hr Difference	
	MWhrs	MWhrs	MWhrs	MWhrs	MWhrs	MWhrs	MWhrs	MWhrs	MWhrs	MWhrs	
1/06/2007	153590	201	162162	212	136147	221	18648	250	16782	248	1132
2/06/2007	153795	205	162380	218	136349	202	18658	10	16797	15	650
3/06/2007	153993	198	162590	210	136544	195	18745	87	16878	81	771
4/06/2007	153996	3	162597	7	136546	2	19006	261	17137	259	532
5/06/2007	154164	168	162716	119	136669	123	19189	183	17320	183	776
6/06/2007	154311	147	162872	156	136812	143	19326	137	17441	121	704
7/06/2007	154350	39	162944	72	136879	67	19548	222	17670	229	629
8/06/2007	154529	179	163130	186	136957	78	19742	194	17862	192	829
9/06/2007	154726	197	163332	202	136957	0	19968	226	18084	222	847
10/06/2007	154911	185	163524	192	136957	0	20203	235	18310	226	838
11/06/2007	155120	209	163723	199	136957	0	20444	241	18538	228	877
12/06/2007	155322	202	163924	201	136957	0	20700	256	18785	247	906
13/06/2007	155483	161	164157	233	136957	0	20942	242	19022	237	873
14/06/2007	155660	177	164407	250	136957	0	21197	255	19267	245	927
15/06/2007	155831	171	164652	245	136957	0	21438	241	19508	241	898
16/06/2007	156002	171	164897	245	136957	0	21679	241	19749	241	898
17/06/2007	156185	183	165139	242	136957	0	21915	236	19926	177	838
18/06/2007	156384	199	165325	186	136957	0	22150	235	20124	198	818
19/06/2007	156560	176	165570	245	136957	0	22394	244	20347	223	888
20/06/2007	156728	168	165815	245	137048	91	22638	244	20591	244	992
21/06/2007	156894	166	166034	219	137290	242	22879	241	20664	73	941
22/06/2007	157087	193	166259	225	137535	242	22939	60	20672	8	728
23/06/2007	157222	135	166322	63	137717	245	23158	219	20889	217	879
24/06/2007	157394	172	166375	53	137952	182	23411	253	21141	252	912
25/06/2007	157569	175	166388	13	138204	235	23656	245	21382	241	909
26/06/2007	157745	176	166388	0	138452	252	23909	253	21633	251	932
27/06/2007	157922	177	166388	0	138703	248	24158	249	21879	246	920
28/06/2007	158098	176	166388	0	138949	251	24407	249	22127	248	924
29/06/2007	158280	182	166388	0	139199	246	24654	247	22373	246	921
30/06/2007	158624	175	166420	0	139433	250	25138	251	22854	248	924
Total		**5066**		**4438**		**3515**		**6507**		**6087**	**25613**

JULY 2007

Date	GN101		GN201		GN301		GN401		GN501		Gross Power Production
	Meter Reading	24hr Difference	Meter Reading	24hr Difference	Meter Reading	24hr Difference	Meter Reading	24hr Difference	Meter Reading	24hr Difference	
	MWhrs	MWhrs	MWhrs	MWhrs	MWhrs	MWhrs	MWhrs	MWhrs	MWhrs	MWhrs	
1/07/2007	158795	171	166465	45	139643	210	25369	231	23083	229	886
2/07/2007	158963	168	166465	0	139889	246	25624	255	23337	254	923
3/07/2007	159139	176	166465	0	140138	249	25879	255	23589	252	932
4/07/2007	159300	161	166465	0	140388	250	26135	256	23840	251	918
5/07/2007	159484	184	166465	0	140577	189	26388	253	24090	250	876
6/07/2007	159583	99	166465	0	140790	213	26550	162	24247	157	631
7/07/2007	159583	0	166465	0	140790	0	26550	0	24247	0	0
8/07/2007	159583	0	166465	0	140790	0	26550	0	24247	0	0
9/07/2007	159583	0	166465	0	140790	0	26550	0	24247	0	0
10/07/2007	159583	0	166465	0	140790	0	26550	0	24247	0	0
11/07/2007	159583	0	166465	0	140790	0	26550	0	24247	0	0
12/07/2007	159583	0	166465	0	140790	0	26550	0	24247	0	0
13/07/2007	159583	0	166465	0	140790	0	26641	91	24310	63	154
14/07/2007	159583	0	166465	0	140790	0	26884	243	24554	244	487
15/07/2007	159714	131	166465	0	140908	118	27095	211	24776	222	682
16/07/2007	159898	184	166465	0	141126	218	27341	246	25021	245	893
17/07/2007	160078	180	166465	0	141356	230	27591	250	25197	176	836
18/07/2007	160252	174	166465	0	141585	229	27840	249	25445	248	900
19/07/2007	160420	168	166465	0	141817	232	28090	250	25698	253	903
20/07/2007	160583	163	166465	0	142062	245	28336	246	25945	247	901
21/07/2007	160745	162	166465	0	142312	250	28586	250	26189	244	906
22/07/2007	160896	151	166465	0	142556	244	28823	237	26409	220	852
23/07/2007	161057	161	166465	0	142794	238	29077	254	26662	253	906
24/07/2007	161225	168	166465	0	143034	240	29329	252	26912	250	910
25/07/2007	161394	169	166465	0	143273	239	29580	251	27162	250	909
26/07/2007	161578	184	166465	0	143517	244	29835	255	27381	219	902
27/07/2007	161754	176	166465	0	143755	238	30085	250	27629	248	912
28/07/2007	161931	177	166465	0	143986	231	30328	243	27883	254	905
29/07/2007	162113	182	166465	0	144221	235	30577	249	28139	256	922
30/07/2007	162301	188	166465	0	144467	246	30835	258	28396	257	949
31/07/2007	162490	189	166465	0	144722	255	31078	243	28657	261	948
Total		**3866**		**45**		**5289**		**5940**		**5803**	**20943**

AUGUST 2007

Date	GN101		GN201		GN301		GN401		GN501		Gross Power Production
	Meter Reading	24hr Difference	Meter Reading	24hr Difference	Meter Reading	24hr Difference	Meter Reading	24hr Difference	Meter Reading	24hr Difference	
	MWhrs	MWhrs	MWhrs	MWhrs	MWhrs	MWhrs	MWhrs	MWhrs	MWhrs	MWhrs	
1/08/2007	162673	183	166465	0	144792	70	31334	256	28914	257	766
2/08/2007	162856	183	166465	0	145225	433	31593	259	29172	258	1133
3/08/2007	162993	137	166465	0	145481	256	31850	257	29430	258	908
4/08/2007	163226	233	166465	0	145620	139	32114	264	29696	266	902
5/08/2007	163466	240	166465	0	145858	238	32372	258	29836	140	876
6/08/2007	163625	159	166596	131	146102	244	32553	181	30070	234	949
7/08/2007	163626	1	166837	241	146339	237	32789	236	30302	232	947
8/08/2007	163673	47	167076	239	146552	213	33004	215	30525	223	937
9/08/2007	163767	94	167210	134	146792	240	33241	237	30744	219	924
10/08/2007	163767	0	167214	4	146792	0	33326	85	30819	75	164
11/08/2007	163767	0	167214	0	146792	0	33326	0	30967	148	148
12/08/2007	163767	0	167214	0	146792	0	33629	303	31127	160	463
13/08/2007	163767	0	167214	0	146792	0	33850	221	31357	230	451
14/08/2007	163852	85	167292	78	146792	0	33995	145	31466	109	417
15/08/2007	164035	183	167529	237	146792	0	34174	179	31657	191	790
16/08/2007	164215	180	167760	231	146792	0	34350	176	31845	188	775
17/08/2007	164396	181	167942	182	146823	31	34536	186	32027	182	762
18/08/2007	164639	243	168186	244	146823	0	34779	243	32173	146	876
19/08/2007	164882	243	168431	245	146823	0	35024	245	32332	159	892
20/08/2007	165132	250	168683	252	146823	0	35262	238	32580	248	988
21/08/2007	165368	236	168926	243	147052	229	35262	0	32710	130	838
22/08/2007	165609	241	169173	247	147297	245	35262	0	32954	244	977
23/08/2007	165849	240	169420	247	147544	247	35262	0	33193	239	973
24/08/2007	165975	126	169659	239	147787	243	35310	48	33428	235	891
25/08/2007	165975	0	169879	220	148016	229	35457	147	33673	245	841
26/08/2007	165975	0	170083	204	148259	243	35614	157	33915	242	846
27/08/2007	165975	0	170264	181	148502	243	35797	183	34157	242	849
28/08/2007	165975	0	170458	194	148746	244	35986	189	34400	243	870
29/08/2007	165975	0	170669	211	148983	237	36191	205	34646	246	899
30/08/2007	165975	0	170880	211	149227	244	36404	213	34892	246	914
31/08/2007	165975	0	170880	0	149228	1	36627	223	35099	207	431
Total		**3485**		**4415**		**4506**		**5549**		**6442**	**24397**

SEPTEMBER 2007

Date	GN101		GN201		GN301		GN401		GN501		Gross Power Production
	Meter Reading	24hr Difference	Meter Reading	24hr Difference	Meter Reading	24hr Difference	Meter Reading	24hr Difference	Meter Reading	24hr Difference	
	MWhrs	MWhrs	MWhrs	MWhrs	MWhrs	MWhrs	MWhrs	MWhrs	MWhrs	MWhrs	
1/09/2007	165975	0	170880	0	149228	0	36789	162	35254	155	317
2/09/2007	165975	0	170880	0	149228	0	36922	133	35376	122	255
3/09/2007	165975	0	170880	0	149228	0	37049	127	35512	136	263
4/09/2007	165975	0	170880	0	149228	0	37188	139	35662	150	289
5/09/2007	165975	0	170880	0	149228	0	37339	151	35824	162	313
6/09/2007	165975	0	170880	0	149228	0	37481	142	35981	157	299
7/09/2007	165975	0	170880	0	149228	0	37664	183	36170	189	372
8/09/2007	165975	0	170880	0	149228	0	37892	228	36392	222	450
9/09/2007	165975	0	170880	0	149228	0	38071	179	36548	156	335
10/09/2007	165975	0	170880	0	149228	0	38294	223	36788	240	463
11/09/2007	165975	0	170880	0	149228	0	38531	237	37047	259	496
12/09/2007	165975	0	170880	0	149228	0	38763	232	37302	255	487
13/09/2007	165975	0	170880	0	149228	0	38995	232	37557	255	487
14/09/2007	165975	0	170880	0	149228	0	39228	233	37813	256	489
15/09/2007	165979	4	170880	0	149228	0	39464	236	38072	259	499
16/09/2007	166006	27	171097	217	149348	120	39699	235	38325	253	852
17/09/2007	166104	98	171342	245	149591	243	39891	192	38567	242	1020
18/09/2007	166272	168	171591	249	149838	247	40050	159	38812	245	1068
19/09/2007	166436	164	171824	233	150074	236	40197	147	39040	228	1008
20/09/2007	166664	228	172081	257	150329	255	40222	25	39299	259	1024
21/09/2007	166905	241	172341	260	150587	258	40222	0	39565	266	1025
22/09/2007	167120	215	172597	256	150829	242	40271	49	39821	256	1018
23/09/2007	167267	147	172846	249	151012	183	40497	226	40059	238	1043
24/09/2007	167435	168	173094	248	151256	244	40664	167	40294	235	1062
25/09/2007	167676	241	173343	249	151495	239	40741	77	40534	240	1046
26/09/2007	167899	223	173574	231	151745	250	40761	20	40782	248	972
27/09/2007	167996	97	173803	229	151984	239	40996	235	41026	244	1044
28/09/2007	167996	0	173803	0	151984	0	40996	0	41026	0	0
29/09/2007	168085	89	174052	249	152207	223	41274	278	41271	245	1084
30/09/2007	168233	148	174294	242	152427	220	41490	216	41489	218	1044
Total		**2258**		**3414**		**3199**		**4863**		**6390**	**20124**

OCTOBER 2006

Date	MCC01		MCC02		MCC 03		MCC 04		MCC 05		SASS		Total Usage
	Meter Reading	24hr Difference	Meter Reading	24hr Difference	Meter Reading	24hr Difference	Meter Reading	24hr Difference	Meter Reading	24hr Difference	Meter Reading	24hr Difference	
1/10/2006	7998	17	7624	17	6853	15					1778	0	49
2/10/2006	8015	17	7642	18	6867	14					1787	8	57
3/10/2006	8032	17	7659	17	6882	15					1787	0	49
4/10/2006	8048	16	7676	17	6897	15					1795	8	56
5/10/2006	8065	17	7692	16	6912	15					1795	0	48
6/10/2006	8082	17	7707	15	6929	17					1804	8	57
7/10/2006	8099	17	7723	16	6946	17					1804	0	50
8/10/2006	8116	17	7740	17	6961	15					1812	8	57
9/10/2006	8132	16	7756	16	6974	13					1812	0	45
10/10/2006	8147	15	7773	17	6990	16					1820	8	56
11/10/2006	8162	15	7790	17	7007	17					1820	0	49
12/10/2006	8176	14	7808	18	7024	17					1829	8	57
13/10/2006	8191	15	7825	17	7034	10					1829	0	42
14/10/2006	8206	15	7842	17	7051	17					1837	8	57
15/10/2006	8221	15	7859	17	7068	17					1837	0	49
16/10/2006	8238	17	7875	16	7083	15					1845	8	56
17/10/2006	8255	17	7892	17	7098	15					1845	0	49
18/10/2006	8271	16	7908	16	7114	16					1854	8	56
19/10/2006	8287	16	7924	16	7130	16					1854	0	48
20/10/2006	8301	14	7941	17	7147	17					1854	0	48
21/10/2006	8316	15	7958	17	7164	17					1862	8	57
22/10/2006	8332	16	7974	16	7180	16					1871	8	56
23/10/2006	8348	16	7991	17	7196	16					1871	0	49
24/10/2006	8362	14	8008	17	7213	17					1879	8	56
25/10/2006	8376	14	8025	17	7230	17					1879	0	48
26/10/2006	8391	15	8042	17	7247	17					1887	8	57
27/10/2006	8405	14	8059	17	7263	16					1887	0	47
28/10/2006	8420	15	8076	17	7280	17					1896	8	57
29/10/2006	8434	14	8093	17	7297	17					1896	0	48
30/10/2006	8449	15	8110	17	7314	17					1904	8	57
31/10/2006	8463	14	8127	17	7331	17					1904	0	48
Total		**482**		**520**		**493**						**126**	**1621**

NOVEMBER 2006

Date	MCC01		MCC02		MCC 03		MCC 04		MCC 05		SASS		Total Usage
	Meter Reading	24hr Difference	Meter Reading	24hr Difference	Meter Reading	24hr Difference	Meter Reading	24hr Difference	Meter Reading	24hr Difference	Meter Reading	24hr Difference	
1/11/2006	8478	15	8143	16	7347	16					1913	8	55
2/11/2006	8494	16	8159	16	7364	17					1913	0	49
3/11/2006	8508	14	8176	17	7381	17					1921	8	56
4/11/2006	8523	15	8193	17	7397	16					1921	0	48
5/11/2006	8538	15	8210	17	7413	16					1929	8	56
6/11/2006	8555	17	8227	17	7427	14					1929	0	48
7/11/2006	8572	17	8243	16	7442	15					1938	8	56
8/11/2006	8589	17	8260	17	7456	14					1938	0	48
9/11/2006	8605	16	8277	17	7470	14					1946	8	55
10/11/2006	8622	17	8294	17	7485	15					1946	0	49
11/11/2006	8639	17	8311	17	7499	14					1955	8	56
12/11/2006	8655	16	8327	16	7514	15					1955	0	47
13/11/2006	8671	16	8343	16	7531	17					1963	8	57
14/11/2006	8686	15	8360	17	7548	17					1963	0	49
15/11/2006	8701	15	8376	16	7564	16					1971	8	55
16/11/2006	8718	17	8393	17	7578	14					1971	0	48
17/11/2006	8733	15	8410	17	7594	16					1980	8	56
18/11/2006	8748	15	8427	17	7610	16					1980	0	48
19/11/2006	8765	17	8444	17	7624	14					1988	8	56
20/11/2006	8782	17	8459	15	7639	15					1988	0	47
21/11/2006	8799	17	8472	13	7656	17					1996	8	55
22/11/2006	8816	17	8484	12	7673	17					1996	0	46
23/11/2006	8833	17	8487	3	7690	17					2005	8	45
24/11/2006	8849	16	8503	16	7705	15					2005	0	47
25/11/2006	8866	17	8520	17	7719	14					2013	8	56
26/11/2006	8883	17	8537	17	7733	14					2013	0	48
27/11/2006	8899	16	8554	17	7748	15					2022	8	56
28/11/2006	8916	17	8570	16	7764	16					2022	0	49
29/11/2006	8938	22	8589	19	7785	21					2030	9	71
30/11/2006	8948	10	8599	10	7795	10					2030	0	30
Total		**485**		**472**		**464**						**126**	**1547**

DECEMBER 2006

Date	MCC01		MCC02		MCC 03		MCC 04		MCC 05		SASS		Total Usage
	Meter Reading	24hr Difference	Meter Reading	24hr Difference	Meter Reading	24hr Difference	Meter Reading	24hr Difference	Meter Reading	24hr Difference	Meter Reading	24hr Difference	
1/12/2006	8970	22	8618	19	7816	21					2038	8	70
2/12/2006	8982	12	8628	10	7828	12					2038	0	34
3/12/2006	8999	17	8643	15	7845	17					2047	8	57
4/12/2006	9016	17	8657	14	7862	17					2047	0	48
5/12/2006	9032	16	8674	17	7877	15					2047	0	48
6/12/2006	9049	17	8691	17	7892	15					2055	8	57
7/12/2006	9066	17	8708	17	7905	13					2055	0	47
8/12/2006	9083	17	8725	17	7920	15					2064	8	57
9/12/2006	9100	17	8742	17	7934	14					2064	0	48
10/12/2006	9117	17	8759	17	7949	15					2072	8	57
11/12/2006	9133	16	8776	17	7959	10					2072	0	43
12/12/2006	9150	17	8793	17	7974	15					2080	8	57
13/12/2006	9167	17	8810	17	7988	14					2080	0	48
14/12/2006	9184	17	8827	17	8002	14					2089	8	56
15/12/2006	9200	16	8844	17	8017	15					2089	0	48
16/12/2006	9217	17	8861	17	8031	14					2097	8	56
17/12/2006	9234	17	8876	15	8047	16					2097	0	48
18/12/2006	9251	17	8891	15	8064	17					2106	8	57
19/12/2006	9267	16	8905	14	8081	17					2106	0	47
20/12/2006	9284	17	8920	15	8097	16					2114	8	56
21/12/2006	9301	17	8935	15	8114	17					2114	0	49
22/12/2006	9317	16	8950	15	8130	16					2122	8	55
23/12/2006	9334	17	8964	14	8147	17					2122	0	48
24/12/2006	9351	17	8979	15	8164	17					2131	8	57
25/12/2006	9368	17	8993	14	8180	16					2131	0	47
26/12/2006	9384	16	9009	16	8197	17					2139	8	57
27/12/2006	9401	17	9023	14	8213	16					2140	1	48
28/12/2006	9418	17	9038	15	8230	17					2147	8	57
29/12/2006	9434	16	9054	16	8245	15					2147	0	47
30/12/2006	9451	17	9071	17	8260	15					2147	0	49
31/12/2006	9451	0	9071	0	8276	16					2147	0	16
Total		**503**		**472**		**481**						**117**	**1573**

Lihir Gold Limited

JANUARY 2007

Date	MCC01		MCC02		MCC03		MCC04		MCC05		SASS		Total Usage
	Meter Reading	24hr Difference	Meter Reading	24hr Difference	Meter Reading	24hr Difference	Meter Reading	24hr Difference	Meter Reading	24hr Difference	Meter Reading	24hr Difference	
1/01/2007	9468	17	9086	15	8276	0	0	0			2147	0	32
2/01/2007	9484	16	9101	15	8293	17	0	0			2164	17	65
3/01/2007	9501	17	9117	16	8308	15	0	0			2164	0	48
4/01/2007	9518	17	9133	16	8323	15	0	0			2164	0	48
5/01/2007	9534	16	9147	14	8340	17	0	0			2164	0	47
6/01/2007	9551	17	9162	15	8358	18	0	0			2181	17	67
7/01/2007	9568	17	9176	14	8358	0	0	0			2181	0	31
8/01/2007	9584	16	9193	17	8391	33	0	0			2181	0	66
9/01/2007	9599	15	9210	17	8407	16	0	0			2181	0	48
10/01/2007	9614	15	9227	17	8424	17	0	0			2198	17	66
11/01/2007	9628	14	9244	17	8441	17	0	0			2198	0	48
12/01/2007	9643	15	9261	17	8458	17	0	0			2198	0	49
13/01/2007	9657	14	9278	17	8475	17	0	0			2198	0	48
14/01/2007	9673	16	9295	17	8491	16	0	0			2215	17	66
15/01/2007	9678	5	9299	4	8495	4	0	0			2215	0	13
16/01/2007	9678	0	9299	0	8495	0	0	0			2215	0	0
17/01/2007	9678	0	9299	0	8495	0	0	0			2215	0	0
18/01/2007	9678	0	9299	0	8495	0	0	0			2215	0	0
19/01/2007	9678	0	9299	0	8495	0	0	0			2215	0	0
20/01/2007	9678	0	9299	0	8495	0	0	0			2215	0	0
21/01/2007	9678	0	9299	0	8495	0	0	0			2215	0	0
22/01/2007	9678	0	9299	0	8495	0	0	0			2215	0	0
23/01/2007	9678	0	9299	0	8495	0	0	0			2215	0	0
24/01/2007	9678	0	9299	0	8495	0	0	0			2215	0	0
25/01/2007	9683	5	9308	9	8496	1	0	0			2231	16	31
26/01/2007	9697	14	9320	12	8497	1	0	0			2248	17	44
27/01/2007	9713	16	9334	14	8497	0	0	0			2248	0	30
28/01/2007	9730	17	9349	15	8499	2	0	0			2248	0	34
29/01/2007	9747	17	9367	18	8499	0	0	0			2248	0	35
30/01/2007	9763	16	9384	17	8499	0	0	0			2265	17	50
31/01/2007	9779	16	9401	17	8500	1	7	7			2265	0	41
Total		**328**		**330**		**224**		**7**				**118**	**1007**

FEBRUARY 2007

Date	MCC01		MCC02		MCC 03		MCC 04		MCC 05		SASS		Total Usage
	Meter Reading	24hr Difference	Meter Reading	24hr Difference	Meter Reading	24hr Difference	Meter Reading	24hr Difference	Meter Reading	24hr Difference	Meter Reading	24hr Difference	
1/02/2007	9797	18	9419	18	8500	0	9	2			2265	0	38
2/02/2007	9814	17	9436	17	8500	0	9	0			2265	0	34
3/02/2007	9832	18	9454	18	8500	0	13	4			2265	0	40
4/02/2007	9849	17	9465	11	8500	0	14	1			2281	16	45
5/02/2007	9866	17	9465	0	8500	0	14	0			2281	0	17
6/02/2007	9884	18	9499	34	8500	0	14	0			2281	0	52
7/02/2007	9901	17	9516	17	8500	0	14	0			2281	0	34
8/02/2007	9918	17	9531	15	8500	0	14	0			2298	17	49
9/02/2007	9936	18	9546	15	8500	0	14	0			2298	0	33
10/02/2007	9936	0	9561	15	8500	0	14	0			2298	0	15
11/02/2007	9970	34	9576	15	8500	0	14	0			2298	0	49
12/02/2007	9988	18	9592	16	8500	0	14	0			2315	17	51
13/02/2007	9988	16	9622	30	8500	0	14	0			2315	0	46
14/02/2007	10021	33	9622	0	8500	0	14	0			2315	0	33
15/02/2007	10039	18	9637	15	8500	0	14	0			2315	0	33
16/02/2007	10056	17	9652	15	8500	0	14	0			2331	16	48
17/02/2007	10073	17	9668	16	8500	0	14	0			2332	1	34
18/02/2007	10090	17	9683	15	8500	0	14	0			2332	0	32
19/02/2007	10108	18	9699	16	8500	0	14	0			2332	0	34
20/02/2007	10125	17	9716	17	8500	0	14	0			2348	16	50
21/02/2007	10142	17	9733	17	8500	0	14	0			2348	0	34
22/02/2007	10159	17	9750	17	8500	0	14	0			2348	0	34
23/02/2007	10177	18	9768	18	8500	0	14	0			2348	0	36
24/02/2007	10194	17	9785	17	8500	0	14	0			2365	17	51
25/02/2007	10211	17	9802	17	8500	0	14	0			2365	0	34
26/02/2007	10229	18	9820	18	8500	0	14	0			2365	0	36
27/02/2007	10229	0	9837	17	8500	0	14	0			2365	0	17
28/02/2007	10263	34	9854	17	8500	0	19	5			2382	17	73
Total		**500**		**453**		**0**		**12**				**117**	**1082**

MARCH 2007

Date	MCC01		MCC02		MCC 03		MCC 04		MCC 05		SASS		Total Usage
	Meter Reading	24hr Difference	Meter Reading	24hr Difference	Meter Reading	24hr Difference	Meter Reading	24hr Difference	Meter Reading	24hr Difference	Meter Reading	24hr Difference	
1/03/2007	10281	18	9872	18	8500	0	19	0		0	2382	0	36
2/03/2007	10298	17	9889	17	8500	0	19	0		0	2382	0	34
3/03/2007	10315	17	9906	17	8500	0	19	0		0	2399	17	51
4/03/2007	10333	18	9923	17	8500	0	19	0		0	2399	0	35
5/03/2007	10349	16	9940	17	8500	0	19	0		0	2399	0	33
6/03/2007	10365	16	9957	17	8500	0	19	0		0	2399	0	33
7/03/2007	10381	16	9973	16	8500	0	19	0		0	2416	17	49
8/03/2007	10399	18	9990	17	8500	0	19	0		0	2416	0	35
9/03/2007	10399	0	10006	16	8500	0	266	247		0	2416	0	263
10/03/2007	10434	35	10022	16	8500	0	282	16		0	2416	0	67
11/03/2007	10451	17	10040	18	8500	0	298	16		0	2433	17	68
12/03/2007	10451	0	10057	17	8500	0	298	0		0	2433	0	17
13/03/2007	10485	34	10057	0	8500	0	326	28		0	2433	0	62
14/03/2007	10502	17	10092	35	8500	0	341	15		0	2433	0	67
15/03/2007	10519	17	10109	17	8500	0	355	14		0	2449	16	64
16/03/2007	10529	10	10109	0	8500	0	362	7		0	2449	0	17
17/03/2007	10546	17	10131	22	8500	0	362	0		0	2449	0	39
18/03/2007	10561	15	10148	17	8504	4	364	2		0	2466	17	55
19/03/2007	10577	16	10165	17	8514	10	364	0		0	2466	0	43
20/03/2007	10594	17	10181	16	8533	19	364	0		0	2466	0	52
21/03/2007	10608	14	10197	16	8553	20	364	0	79	79	2466	0	129
22/03/2007	10624	16	10214	17	8559	6	364	0	79	0	2466	0	39
23/03/2007	10641	17	10231	17	8576	17	364	0	79	0	2483	17	68
24/03/2007	10659	18	10248	17	8589	13	364	0	79	0	2483	0	48
25/03/2007	10675	16	10265	17	8600	11	364	0	79	0	2483	0	44
26/03/2007	10693	18	10283	18	8600	0	364	0	79	0	2500	17	53
27/03/2007	10710	17	10283	0	8623	23	367	3	80	1	2500	0	44
28/03/2007	10727	17	10317	34	8641	18	375	8	82	2	2500	0	79
29/03/2007	10744	17	10335	18	8658	17	393	18	88	6	2517	17	93
30/03/2007	10762	18	10352	17	8675	17	410	17	93	5	2517	0	74
31/03/2007	10779	17	10352	0	8690	15	427	17	98	5	2517	0	54
Total		**516**		**498**		**190**		**408**		**98**		**135**	**1845**

APRIL 2007

Date	MCC01		MCC02		MCC 03		MCC 04		MCC 05		SASS		Total Usage
	Meter Reading	24hr Difference	Meter Reading	24hr Difference	Meter Reading	24hr Difference	Meter Reading	24hr Difference	Meter Reading	24hr Difference	Meter Reading	24hr Difference	
1/04/2007	10797	18	10386	34	8704	14	443	16	104	6	2517	0	88
2/04/2007	10814	17	10403	17	8722	18	458	15	110	6	2517	0	73
3/04/2007	10832	18	10420	17	8739	17	473	15	116	6	2533	16	89
4/04/2007	10849	17	10435	15	8757	18	489	16	121	5	2533	0	71
5/04/2007	10867	18	10452	17	8774	17	506	17	126	5	2533	0	74
6/04/2007	10885	18	10470	18	8791	17	524	18	131	5	2533	0	76
7/04/2007	10902	17	10487	17	8809	18	541	17	136	5	2533	0	74
8/04/2007	10920	18	10505	18	8826	17	558	17	142	6	2550	17	93
9/04/2007	10938	18	10523	18	8843	17	573	15	147	5	2567	17	90
10/04/2007	10956	18	10540	17	8860	17	588	15	153	6	2567	0	73
11/04/2007	10974	18	10558	18	8877	17	603	15	159	6	2567	0	74
12/04/2007	10991	17	10575	17	8895	18	618	15	165	6	2567	0	73
13/04/2007	11009	18	10593	18	8912	17	633	15	171	6	2584	17	91
14/04/2007	11026	17	10593	0	8912	0	633	0	176	5	2584	0	22
15/04/2007	11042	16	10627	34	8946	34	664	31	181	5	2584	0	120
16/04/2007	11060	18	10644	17	8962	16	679	15	187	6	2600	16	88
17/04/2007	11077	17	10661	17	8980	18	695	16	193	6	2600	0	74
18/04/2007	11094	17	10679	18	8997	17	695	0	198	5	2600	0	57
19/04/2007	11112	18	10696	17	9014	17	725	30	198	0	2600	0	82
20/04/2007	11129	17	10714	18	9031	17	742	17	198	0	2600	0	69
21/04/2007	11146	17	10731	17	9048	17	759	17	198	0	2600	0	68
22/04/2007	11164	18	10748	17	9065	17	776	17	220	22	2600	0	91
23/04/2007	11181	17	10766	18	9082	17	793	17	225	5	2600	0	74
24/04/2007	11199	18	10783	17	9099	17	809	16	231	6	2600	0	74
25/04/2007	11217	18	10800	17	9116	17	826	17	236	5	2617	17	91
26/04/2007	11234	17	10818	18	9133	17	843	17	241	5	2634	17	91
27/04/2007	11252	18	10836	18	9150	17	859	16	246	5	2651	17	91
28/04/2007	11269	17	10853	17	9167	17	859	0	252	6	2651	0	57
29/04/2007	11287	18	10870	17	9184	17	889	30	258	6	2651	0	88
30/04/2007	11304	17	10888	18	9201	17	906	17	263	5	2651	0	74
Total		**525**		**536**		**511**		**479**		**165**		**134**	**2350**

MAY 2007

Date	MCC01		MCC02		MCC03		MCC04		MCC05		SASS		Total Usage
	Meter Reading	24hr Difference	Meter Reading	24hr Difference	Meter Reading	24hr Difference	Meter Reading	24hr Difference	Meter Reading	24hr Difference	Meter Reading	24hr Difference	
1/05/2007	11321	17	10905	17	9218	17	906	0	268	5	2668	17	73
2/05/2007	11338	17	10922	17	9218	0	906	0	274	6	2668	0	40
3/05/2007	11353	15	10940	18	9218	0	957	51	279	5	2668	0	89
4/05/2007	11370	17	10957	17	9268	50	973	16	285	6	2668	0	106
5/05/2007	11388	18	10974	17	9285	17	988	15	291	6	2684	16	89
6/05/2007	11405	17	10992	18	9302	17	1004	16	296	5	2684	0	73
7/05/2007	1344	17	1010	17	9317	15	1022	18	301	5	2684	0	72
8/05/2007	1361	17	1027	17	9333	16	1037	15	307	6	2684	0	71
9/05/2007	1379	18	1045	18	9350	17	1052	15	312	5	2701	17	90
10/05/2007	1396	17	1062	17	9367	17	1069	17	318	6	2701	0	74
11/05/2007	1413	17	1079	17	9384	17	1086	17	323	5	2701	0	73
12/05/2007	1431	18	1097	18	9401	17	1103	17	328	5	2718	17	92
13/05/2007	1448	17	1114	17	9418	17	1119	16	333	5	2718	0	72
14/05/2007	1464	16	1130	16	9434	16	1133	14	338	5	2718	0	67
15/05/2007	1482	18	1147	17	9451	17	1148	15	344	6	2735	17	90
16/05/2007	1499	17	1164	17	9468	17	1165	17	349	5	2735	0	73
17/05/2007	1516	17	1182	18	9484	16	1181	16	355	6	2735	0	73
18/05/2007	1529	13	1199	17	9501	17	1196	15	361	6	2735	0	68
19/05/2007	1529	0	1216	17	9518	17	1211	15	366	5	2751	16	70
20/05/2007	1529	0	1234	18	9535	17	1226	15	372	6	2751	0	56
21/05/2007	1538	9	1251	17	9552	17	1241	15	378	6	2751	0	64
22/05/2007	1540	2	1269	18	9569	17	1258	17	383	5	2768	17	76
23/05/2007	1540	0	1286	17	9586	17	1275	17	388	5	2768	0	56
24/05/2007	1551	11	1303	17	9603	17	1292	17	393	5	2768	0	67
25/05/2007	1568	17	1321	18	9620	17	1310	18	398	5	2768	0	75
26/05/2007	1586	18	1338	17	9637	17	1327	17	403	5	2785	17	91
27/05/2007	1604	18	1355	17	9654	17	1344	17	408	5	2785	0	74
28/05/2007	1621	17	1373	18	9670	16	1362	18	414	6	2785	0	75
29/05/2007	1639	18	1390	17	9687	17	1379	17	419	5	2802	17	91
30/05/2007	1656	17	1407	17	9687	0	1396	17	424	5	2802	0	56
31/05/2007	1674	18	1425	18	9721	34	1414	18	429	5	2802	0	93
Total		**448**		**536**		**520**		**508**		**166**		**151**	**2329**

JUNE 2007

Date	MCC01		MCC02		MCC03		MCC04		MCC05		SASS		Total Usage
	Meter Reading	24hr Difference	Meter Reading	24hr Difference	Meter Reading	24hr Difference	Meter Reading	24hr Difference	Meter Reading	24hr Difference	Meter Reading	24hr Difference	
1/06/2007	1691	17	1442	17	9738	17	1431	17	434	5	2819	17	90
2/06/2007	1709	18	1457	15	9755	17	1431	0	435	1	2819	0	51
3/06/2007	1727	18	1474	17	9772	17	1444	13	435	0	2819	0	65
4/06/2007	1733	6	1482	8	9778	6	1444	0	444	9	2819	0	29
5/06/2007	1751	18	1499	17	9796	18	1479	35	449	5	2835	16	109
6/06/2007	1751	0	1499	0	9796	0	1479	0	449	0	2835	0	0
7/06/2007	1781	30	1533	34	9824	28	1513	34	459	10	2835	0	136
8/06/2007	1798	17	1551	18	9842	18	1531	18	464	5	2852	17	93
9/06/2007	1816	18	1568	17	9857	15	1548	17	469	5	2852	0	72
10/06/2007	1833	17	1585	17	9865	8	1565	17	474	5	2852	0	64
11/06/2007	1833	0	1585	0	9871	6	1582	17	474	0	2852	0	23
12/06/2007	1833	0	1585	0	9876	5	1599	17	474	0	2852	0	22
13/06/2007	1886	53	1637	52	9883	7	1617	18	491	17	2869	17	164
14/06/2007	1921	35	1671	34	9899	16	1647	30	502	11	2886	17	143
15/06/2007	1938	17	1688	17	9907	8	1662	15	508	6	2886	0	63
16/06/2007	1956	18	1705	17	9915	8	1677	15	514	6	2886	0	64
17/06/2007	1974	18	1723	18	9923	8	1692	15	520	6	2902	16	81
18/06/2007	1991	17	1740	17	9932	9	1707	15	525	5	2902	0	63
19/06/2007	2009	18	1757	17	9940	8	1722	15	531	6	2902	0	64
20/06/2007	2026	17	1774	17	9953	13	1737	15	535	4	2919	17	83
21/06/2007	2044	18	1791	17	9969	16	1743	6	537	2	2919	0	59
22/06/2007	2061	17	1803	12	9985	16	1759	16	543	6	2919	0	67
23/06/2007	2078	17	1814	11	9998	13	1776	17	548	5	2919	0	63
24/06/2007	2096	18	1822	8	15	16	1793	17	554	6	2936	17	82
25/06/2007	2113	17	1829	7	32	17	1810	17	560	6	2936	0	64
26/06/2007	2131	18	1835	6	49	17	1827	17	565	5	2936	0	63
27/06/2007	2149	18	1841	6	65	16	1844	17	571	6	2953	17	80
28/06/2007	2166	17	1847	6	82	17	1861	17	577	6	2953	0	63
29/06/2007	2184	18	1856	9	97	15	1879	18	582	5	2953	0	65
30/06/2007	2202	18	1866	10	112	15	1896	17	587	5	2970	17	82
Total		**528**		**441**		**390**		**482**		**158**		**168**	**2167**

JULY 2007

Date	MCC01		MCC02		MCC03		MCC04		MCC05		SASS		Total Usage
	Meter Reading	24hr Difference	Meter Reading	24hr Difference	Meter Reading	24hr Difference	Meter Reading	24hr Difference	Meter Reading	24hr Difference	Meter Reading	24hr Difference	
1/07/2007	2219	17	1876	10	127	15	1913	17	593	6	2970	0	65
2/07/2007	2237	18	1885	9	141	14	1930	17	598	5	2970	0	63
3/07/2007	2255	18	1891	6	156	15	1947	17	604	6	2986	16	78
4/07/2007	2273	18	1893	2	171	15	1964	17	610	6	2986	0	58
5/07/2007	2273	0	1893	0	171	0	1984	20	610	0	2986	0	20
6/07/2007	2273	0	1893	0	171	0	1984	0	610	0	3003	17	17
7/07/2007	2273	0	1893	0	171	0	1984	0	610	0	3003	0	0
8/07/2007	2273	0	1893	0	171	0	1984	0	610	0	3003	0	0
9/07/2007	2273	0	1893	0	171	0	1984	0	610	0	3003	0	0
10/07/2007	2273	0	1893	0	171	0	1984	0	610	0	3003	0	0
11/07/2007	2273	0	1893	0	171	0	1984	0	610	0	3020	17	17
12/07/2007	2304	31	1896	3	198	27	1994	10	620	10	3020	0	81
13/07/2007	2305	1	1896	0	198	0	2003	9	622	2	3020	0	12
14/07/2007	2308	3	1896	0	198	0	2020	17	627	5	3020	0	25
15/07/2007	2321	13	1896	0	209	11	2037	17	632	5	3037	17	63
16/07/2007	2339	18	1900	4	224	15	2053	16	638	6	3037	0	59
17/07/2007	2357	18	1902	2	239	15	2070	17	643	5	3037	0	57
18/07/2007	2375	18	1904	2	254	15	2087	17	648	5	3053	16	73
19/07/2007	2393	18	1906	2	269	15	2104	17	654	6	3053	0	58
20/07/2007	2411	18	1906	0	284	15	2121	17	660	6	3053	0	56
21/07/2007	2428	17	1906	0	299	15	2138	17	666	6	3053	0	55
22/07/2007	2446	18	1906	0	314	15	2155	17	671	5	3070	17	72
23/07/2007	2464	18	1915	9	329	15	2172	17	677	6	3070	0	65
24/07/2007	2482	18	1915	0	344	15	2188	16	682	5	3070	0	54
25/07/2007	2499	17	1918	3	360	16	2205	17	688	6	3087	17	76
26/07/2007	2518	19	1918	0	377	17	2222	17	694	6	3087	0	59
27/07/2007	2535	17	1918	0	394	17	2239	17	699	5	3087	0	56
28/07/2007	2553	18	1918	0	411	17	2256	17	705	6	3104	17	75
29/07/2007	2571	18	1918	0	428	17	2273	17	710	5	3104	0	57
30/07/2007	2588	17	1918	0	445	17	2289	16	716	6	3104	0	56
31/07/2007	2606	18	1918	0	462	17	2306	17	721	5	3104	0	57
Total		**404**		**52**		**350**		**410**		**134**		**134**	**1484**

AUGUST 2007

Date	MCC01		MCC02		MCC 03		MCC 04		MCC 05		SASS		Total Usage
	Meter Reading	24hr Difference	Meter Reading	24hr Difference	Meter Reading	24hr Difference	Meter Reading	24hr Difference	Meter Reading	24hr Difference	Meter Reading	24hr Difference	
1/08/2007	2624	18	1918	0	479	17	2322	16	727	6	3121	17	74
2/08/2007	2642	18	1918	0	496	17	2338	16	733	6	3121	0	57
3/08/2007	2656	14	1921	3	513	17	2355	17	739	6	3121	0	57
4/08/2007	2673	17	1923	2	523	10	2371	16	744	5	3137	16	66
5/08/2007	2690	17	1931	8	540	17	2385	14	749	5	3137	0	61
6/08/2007	2703	13	1943	12	557	17	2399	14	754	5	3137	0	61
7/08/2007	2710	7	1961	18	574	17	2413	14	760	6	3137	0	62
8/08/2007	2720	10	1976	15	591	17	2429	16	766	6	3154	17	81
9/08/2007	2733	13	1987	11	608	17	2446	17	771	5	3154	0	63
10/08/2007	2734	1	1988	1	609	1	2455	9	774	3	3154	0	15
11/08/2007	2736	2	1988	0	610	1	2471	16	780	6	3171	17	42
12/08/2007	2736	0	1988	0	612	2	2486	15	785	5	3171	0	22
13/08/2007	2736	0	1999	11	613	1	2502	16	791	6	3171	0	34
14/08/2007	2748	12	2001	2	613	0	2517	15	795	4	3171	0	33
15/08/2007	2766	18	2018	17	613	0	2533	16	801	6	3188	17	74
16/08/2007	2783	17	2036	18	620	7	2550	17	806	5	3188	0	64
17/08/2007	2801	18	2053	17	632	12	2567	17	811	5	3188	0	69
18/08/2007	2819	18	2071	18	634	2	2584	17	816	5	3204	16	76
19/08/2007	2836	17	2088	17	637	3	2600	16	821	5	3204	0	58
20/08/2007	2854	18	2106	18	639	2	2617	17	826	5	3204	0	60
21/08/2007	2871	17	2123	17	656	17	2621	4	831	5	3204	0	60
22/08/2007	2889	18	2140	17	673	17	2637	16	836	5	3221	17	90
23/08/2007	2906	17	2157	17	690	17	2649	12	842	6	3221	0	69
24/08/2007	2918	12	2174	17	707	17	2660	11	846	4	3221	0	61
25/08/2007	2921	3	2174	0	724	17	2677	17	846	0	3238	17	54
26/08/2007	2924	3	2209	35	741	17	2693	16	856	10	3238	0	81
27/08/2007	2926	2	2226	17	758	17	2710	17	861	5	3238	0	58
28/08/2007	2929	3	2244	18	774	16	2726	16	866	5	3255	17	75
29/08/2007	2931	2	2261	17	791	17	2743	17	871	5	3255	0	58
30/08/2007	2933	2	2278	17	808	17	2759	16	876	5	3255	0	57
31/08/2007	2935	2	2279	1	809	1	2776	17	881	5	3255	0	26
Total		**329**		**361**		**347**		**470**		**160**		**151**	**1818**

SEPTEMBER 2007

Date	MCC01		MCC02		MCC 03		MCC 04		MCC 05		SASS		Total Usage
	Meter Reading	24hr Difference	Meter Reading	24hr Difference	Meter Reading	24hr Difference	Meter Reading	24hr Difference	Meter Reading	24hr Difference	Meter Reading	24hr Difference	
1/09/2007	2938	3	2279	0	809	0	2792	16	886	5	3272	17	41
2/09/2007	2940	2	2279	0	809	0	2809	17	891	5	3272	0	24
3/09/2007	2942	2	2279	0	809	0	2826	17	896	5	3272	0	24
4/09/2007	2944	2	2279	0	809	0	2843	17	901	5	3288	16	40
5/09/2007	2947	3	2279	0	809	0	2859	16	906	5	3288	0	24
6/09/2007	2949	2	2279	0	809	0	2876	17	911	5	3288	0	24
7/09/2007	2951	2	2279	0	809	0	2892	16	916	5	3288	0	23
8/09/2007	2953	2	2279	0	809	0	2909	17	921	5	3305	17	41
9/09/2007	2955	2	2279	0	809	0	2925	16	926	5	3305	0	23
10/09/2007	2957	2	2279	0	809	0	2942	17	931	5	3305	0	24
11/09/2007	2960	3	2279	0	809	0	2958	16	936	5	3322	17	41
12/09/2007	2963	3	2280	1	810	1	2974	16	941	5	3322	0	26
13/09/2007	2967	4	2281	1	810	0	2991	17	946	5	3322	0	27
14/09/2007	2970	3	2281	0	810	0	3007	16	951	5	3339	17	41
15/09/2007	2977	7	2282	1	810	0	3023	16	956	5	3339	0	29
16/09/2007	2989	12	2298	16	821	11	3040	17	961	5	3339	0	61
17/09/2007	3003	14	2315	17	838	17	3056	16	965	4	3355	16	84
18/09/2007	3020	17	2333	18	855	17	3073	17	970	5	3355	0	74
19/09/2007	3038	18	2350	17	872	17	3089	16	975	5	3355	0	73
20/09/2007	3055	17	2368	18	889	17	3097	8	980	5	3355	0	65
21/09/2007	3073	18	2385	17	906	17	3099	2	985	5	3372	17	76
22/09/2007	3090	17	2403	18	923	17	3107	8	987	2	3372	0	62
23/09/2007	3108	18	2420	17	940	17	3124	17	995	8	3372	0	77
24/09/2007	3126	18	2437	17	957	17	3140	16	1000	5	3389	17	90
25/09/2007	3143	17	2455	18	974	17	3154	14	1006	6	3389	0	72
26/09/2007	3161	18	2472	17	991	17	3162	8	1011	5	3389	0	65
27/09/2007	3178	17	2489	17	1008	17	3179	17	1016	5	3406	17	90
28/09/2007	3178	0	2489	0	1008	0	3179	0	1016	0	3406	0	0
29/09/2007	3196	18	2507	18	1025	17	3196	17	1021	5	3406	0	75
30/09/2007	3214	18	2524	17	1042	17	3213	17	1026	5	3406	0	74
Total		**279**		**245**		**233**		**437**		**145**		**151**	**1490**

APPENDIX 6

EMISSION REDUCTION CALCULATIONS

OCTOBER	2006		
Date	Net Power Production	CO2 Emission Factor	Emission Reductions
1/10/2006	644	0.678	437
2/10/2006	635	0.678	430
3/10/2006	655	0.678	444
4/10/2006	640	0.678	434
5/10/2006	660	0.678	447
6/10/2006	651	0.678	441
7/10/2006	685	0.678	464
8/10/2006	674	0.678	457
9/10/2006	683	0.678	463
10/10/2006	592	0.678	401
11/10/2006	661	0.678	448
12/10/2006	685	0.678	464
13/10/2006	700	0.678	475
14/10/2006	544	0.678	369
15/10/2006	687	0.678	466
16/10/2006	684	0.678	463
17/10/2006	689	0.678	467
18/10/2006	678	0.678	459
19/10/2006	660	0.678	447
20/10/2006	673	0.678	456
21/10/2006	681	0.678	461
22/10/2006	677	0.678	459
23/10/2006	685	0.678	464
24/10/2006	682	0.678	462
25/10/2006	691	0.678	468
26/10/2006	685	0.678	464
27/10/2006	679	0.678	460
28/10/2006	670	0.678	454
29/10/2006	626	0.678	424
30/10/2006	641	0.678	434
31/10/2006	693	0.678	470
Total	**20584**		**13956**

NOVEMBER 2006

Date	Net Power Production	CO2 Emission Factor	Emission Reductions
1/11/2006	689	0.678	467
2/11/2006	618	0.678	419
3/11/2006	667	0.678	452
4/11/2006	688	0.678	466
5/11/2006	666	0.678	451
6/11/2006	692	0.678	469
7/11/2006	684	0.678	463
8/11/2006	695	0.678	471
9/11/2006	685	0.678	464
10/11/2006	693	0.678	470
11/11/2006	689	0.678	467
12/11/2006	695	0.678	471
13/11/2006	681	0.678	461
14/11/2006	693	0.678	470
15/11/2006	696	0.678	472
16/11/2006	618	0.678	419
17/11/2006	588	0.678	398
18/11/2006	688	0.678	466
19/11/2006	684	0.678	463
20/11/2006	692	0.678	469
21/11/2006	675	0.678	457
22/11/2006	664	0.678	450
23/11/2006	637	0.678	432
24/11/2006	443	0.678	300
25/11/2006	648	0.678	439
26/11/2006	692	0.678	469
27/11/2006	680	0.678	461
28/11/2006	691	0.678	468
29/11/2006	665	0.678	451
30/11/2006	919	0.678	623
Total	**20210**		**13702**

DECEMBER 2006

Date	Net Power Production	CO2 Emission Factor	Emission Reductions
1/12/2006	279	0.678	189
2/12/2006	697	0.678	473
3/12/2006	639	0.678	433
4/12/2006	585	0.678	397
5/12/2006	578	0.678	392
6/12/2006	680	0.678	461
7/12/2006	692	0.678	469
8/12/2006	629	0.678	426
9/12/2006	657	0.678	445
10/12/2006	626	0.678	424
11/12/2006	660	0.678	447
12/12/2006	530	0.678	359
13/12/2006	623	0.678	422
14/12/2006	613	0.678	415
15/12/2006	653	0.678	443
16/12/2006	576	0.678	390
17/12/2006	668	0.678	453
18/12/2006	625	0.678	423
19/12/2006	567	0.678	384
20/12/2006	650	0.678	440
21/12/2006	660	0.678	447
22/12/2006	656	0.678	445
23/12/2006	664	0.678	450
24/12/2006	642	0.678	435
25/12/2006	657	0.678	445
26/12/2006	639	0.678	433
27/12/2006	646	0.678	438
28/12/2006	638	0.678	433
29/12/2006	652	0.678	442
30/12/2006	651	0.678	441
31/12/2006	685	0.678	464
Total	**19413**		**13162**

JANUARY 2007

Date	Net Power Production	CO2 Emission Factor	Emission Reductions
1/01/2007	665	0.678	451
2/01/2007	627	0.678	425
3/01/2007	638	0.678	433
4/01/2007	538	0.678	365
5/01/2007	415	0.678	282
6/01/2007	396	0.678	268
7/01/2007	431	0.678	292
8/01/2007	396	0.678	268
9/01/2007	419	0.678	284
10/01/2007	394	0.678	267
11/01/2007	415	0.678	281
12/01/2007	415	0.678	281
13/01/2007	413	0.678	280
14/01/2007	54	0.678	37
15/01/2007	-13	0.678	-9
16/01/2007	0	0.678	0
17/01/2007	0	0.678	0
18/01/2007	0	0.678	0
19/01/2007	0	0.678	0
20/01/2007	0	0.678	0
21/01/2007	0	0.678	0
22/01/2007	0	0.678	0
23/01/2007	0	0.678	0
24/01/2007	0	0.678	0
25/01/2007	38	0.678	26
26/01/2007	221	0.678	150
27/01/2007	344	0.678	233
28/01/2007	378	0.678	256
29/01/2007	438	0.678	297
30/01/2007	424	0.678	288
31/01/2007	436	0.678	296
Total	**8482**		**5751**

FEBRUARY 2007

Date	Net Power Production	CO2 Emission Factor	Emission Reductions
1/02/2007	441	0.678	299
2/02/2007	406	0.678	275
3/02/2007	423	0.678	287
4/02/2007	328	0.678	222
5/02/2007	439	0.678	298
6/02/2007	428	0.678	290
7/02/2007	443	0.678	300
8/02/2007	430	0.678	291
9/02/2007	450	0.678	305
10/02/2007	436	0.678	296
11/02/2007	462	0.678	313
12/02/2007	434	0.678	294
13/02/2007	436	0.678	296
14/02/2007	455	0.678	308
15/02/2007	450	0.678	305
16/02/2007	437	0.678	296
17/02/2007	450	0.678	305
18/02/2007	453	0.678	307
19/02/2007	452	0.678	306
20/02/2007	440	0.678	298
21/02/2007	452	0.678	306
22/02/2007	462	0.678	313
23/02/2007	529	0.678	359
24/02/2007	675	0.678	458
25/02/2007	696	0.678	472
26/02/2007	695	0.678	471
27/02/2007	711	0.678	482
28/02/2007	662	0.678	449
Total	**13575**		**9204**

MARCH 2007

Date	Net Power Production	CO2 Emission Factor	Emission Reductions
1/03/2007	700	0.678	475
2/03/2007	827	0.678	561
3/03/2007	815	0.678	553
4/03/2007	602	0.678	408
5/03/2007	449	0.678	304
6/03/2007	440	0.678	298
7/03/2007	424	0.678	288
8/03/2007	438	0.678	297
9/03/2007	274	0.678	186
10/03/2007	609	0.678	413
11/03/2007	628	0.678	426
12/03/2007	629	0.678	426
13/03/2007	585	0.678	397
14/03/2007	602	0.678	408
15/03/2007	624	0.678	423
16/03/2007	215	0.678	146
17/03/2007	536	0.678	363
18/03/2007	397	0.678	269
19/03/2007	300	0.678	203
20/03/2007	425	0.678	288
21/03/2007	349	0.678	237
22/03/2007	334	0.678	226
23/03/2007	422	0.678	286
24/03/2007	457	0.678	310
25/03/2007	340	0.678	231
26/03/2007	433	0.678	294
27/03/2007	444	0.678	301
28/03/2007	421	0.678	285
29/03/2007	685	0.678	464
30/03/2007	690	0.678	468
31/03/2007	670	0.678	454
Total	**15764**		**10688**

APRIL 2007

Date	Net Power Production	CO2 Emission Factor	Emission Reductions
1/04/2007	722	0.678	490
2/04/2007	728	0.678	494
3/04/2007	784	0.678	532
4/04/2007	789	0.678	535
5/04/2007	851	0.678	577
6/04/2007	822	0.678	557
7/04/2007	821	0.678	557
8/04/2007	839	0.678	569
9/04/2007	859	0.678	582
10/04/2007	954	0.678	647
11/04/2007	965	0.678	654
12/04/2007	1020	0.678	692
13/04/2007	979	0.678	664
14/04/2007	1057	0.678	717
15/04/2007	912	0.678	618
16/04/2007	1034	0.678	701
17/04/2007	1058	0.678	717
18/04/2007	815	0.678	553
19/04/2007	1011	0.678	685
20/04/2007	1060	0.678	719
21/04/2007	1061	0.678	719
22/04/2007	1031	0.678	699
23/04/2007	1035	0.678	702
24/04/2007	996	0.678	675
25/04/2007	996	0.678	675
26/04/2007	1028	0.678	697
27/04/2007	900	0.678	610
28/04/2007	1023	0.678	694
29/04/2007	1031	0.678	699
30/04/2007	1032	0.678	700
Total	**28213**		**19128**

MAY 2007

Date	Net Power Production	CO2 Emission Factor	Emission Reductions
1/05/2007	1034	0.678	701
2/05/2007	1051	0.678	713
3/05/2007	992	0.678	673
4/05/2007	1014	0.678	687
5/05/2007	1006	0.678	682
6/05/2007	1023	0.678	694
7/05/2007	916	0.678	621
8/05/2007	996	0.678	675
9/05/2007	948	0.678	643
10/05/2007	1001	0.678	679
11/05/2007	998	0.678	677
12/05/2007	1028	0.678	697
13/05/2007	1098	0.678	744
14/05/2007	747	0.678	506
15/05/2007	1013	0.678	687
16/05/2007	1053	0.678	714
17/05/2007	993	0.678	673
18/05/2007	849	0.678	576
19/05/2007	861	0.678	584
20/05/2007	885	0.678	600
21/05/2007	878	0.678	595
22/05/2007	843	0.678	572
23/05/2007	869	0.678	589
24/05/2007	880	0.678	597
25/05/2007	948	0.678	643
26/05/2007	991	0.678	672
27/05/2007	983	0.678	666
28/05/2007	985	0.678	668
29/05/2007	1028	0.678	697
30/05/2007	1116	0.678	757
31/05/2007	1063	0.678	721
Total	**30090**		**20401**

JUNE 2007

Date	Net Power Production	CO2 Emission Factor	Emission Reductions
1/06/2007	1042	0.678	706
2/06/2007	599	0.678	406
3/06/2007	706	0.678	479
4/06/2007	503	0.678	341
5/06/2007	667	0.678	452
6/06/2007	704	0.678	477
7/06/2007	493	0.678	334
8/06/2007	736	0.678	499
9/06/2007	775	0.678	525
10/06/2007	774	0.678	525
11/06/2007	854	0.678	579
12/06/2007	884	0.678	599
13/06/2007	709	0.678	481
14/06/2007	784	0.678	532
15/06/2007	835	0.678	566
16/06/2007	834	0.678	565
17/06/2007	757	0.678	513
18/06/2007	755	0.678	512
19/06/2007	824	0.678	559
20/06/2007	909	0.678	616
21/06/2007	882	0.678	598
22/06/2007	661	0.678	448
23/06/2007	816	0.678	553
24/06/2007	830	0.678	563
25/06/2007	845	0.678	573
26/06/2007	869	0.678	589
27/06/2007	840	0.678	570
28/06/2007	861	0.678	584
29/06/2007	856	0.678	580
30/06/2007	842	0.678	571
Total	**23446**		**15896**

JULY 2007

Date	Net Power Production	CO2 Emission Factor	Emission Reductions
1/07/2007	821	0.678	557
2/07/2007	860	0.678	583
3/07/2007	854	0.678	579
4/07/2007	860	0.678	583
5/07/2007	856	0.678	580
6/07/2007	614	0.678	416
7/07/2007	0	0.678	0
8/07/2007	0	0.678	0
9/07/2007	0	0.678	0
10/07/2007	0	0.678	0
11/07/2007	-17	0.678	-12
12/07/2007	-81	0.678	-55
13/07/2007	142	0.678	96
14/07/2007	462	0.678	313
15/07/2007	619	0.678	420
16/07/2007	834	0.678	565
17/07/2007	779	0.678	528
18/07/2007	827	0.678	561
19/07/2007	845	0.678	573
20/07/2007	845	0.678	573
21/07/2007	851	0.678	577
22/07/2007	780	0.678	529
23/07/2007	841	0.678	570
24/07/2007	856	0.678	580
25/07/2007	833	0.678	565
26/07/2007	843	0.678	572
27/07/2007	856	0.678	580
28/07/2007	830	0.678	563
29/07/2007	865	0.678	586
30/07/2007	893	0.678	605
31/07/2007	891	0.678	604
Total	**19459**		**13193**

AUGUST 2007

Date	Net Power Production	CO2 Emission Factor	Emission Reductions
1/08/2007	692	0.678	469
2/08/2007	1076	0.678	730
3/08/2007	851	0.678	577
4/08/2007	836	0.678	567
5/08/2007	815	0.678	553
6/08/2007	888	0.678	602
7/08/2007	885	0.678	600
8/08/2007	856	0.678	580
9/08/2007	861	0.678	584
10/08/2007	149	0.678	101
11/08/2007	106	0.678	72
12/08/2007	441	0.678	299
13/08/2007	417	0.678	283
14/08/2007	384	0.678	260
15/08/2007	716	0.678	485
16/08/2007	711	0.678	482
17/08/2007	693	0.678	470
18/08/2007	800	0.678	542
19/08/2007	834	0.678	565
20/08/2007	928	0.678	629
21/08/2007	778	0.678	527
22/08/2007	887	0.678	601
23/08/2007	904	0.678	613
24/08/2007	830	0.678	563
25/08/2007	787	0.678	534
26/08/2007	765	0.678	519
27/08/2007	791	0.678	536
28/08/2007	795	0.678	539
29/08/2007	841	0.678	570
30/08/2007	857	0.678	581
31/08/2007	405	0.678	275
Total	**22579**		**15309**

SEPTEMBER 2007

Date	Net Power Production	CO2 Emission Factor	Emission Reductions
1/09/2007	276	0.678	187
2/09/2007	231	0.678	157
3/09/2007	239	0.678	162
4/09/2007	249	0.678	169
5/09/2007	289	0.678	196
6/09/2007	275	0.678	186
7/09/2007	349	0.678	237
8/09/2007	409	0.678	277
9/09/2007	312	0.678	212
10/09/2007	439	0.678	298
11/09/2007	455	0.678	308
12/09/2007	461	0.678	313
13/09/2007	460	0.678	312
14/09/2007	448	0.678	304
15/09/2007	470	0.678	319
16/09/2007	791	0.678	536
17/09/2007	936	0.678	635
18/09/2007	994	0.678	674
19/09/2007	935	0.678	634
20/09/2007	959	0.678	650
21/09/2007	949	0.678	643
22/09/2007	956	0.678	648
23/09/2007	966	0.678	655
24/09/2007	972	0.678	659
25/09/2007	974	0.678	660
26/09/2007	907	0.678	615
27/09/2007	954	0.678	647
28/09/2007	0	0.678	0
29/09/2007	1009	0.678	684
30/09/2007	970	0.678	658
Total	**18634**		**12634**