

Upgrading of Ting Kok Road Pumping Station No. 5

Monthly EM&A Report No. 11 for November 2006

December 2006

Report no: 01284R0322

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Upgrading of Ting Kok Road Pumping Station No. 5

Monthly EM&A Report No. 11 for November 2006

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Report no:	FA01284R0322	Date:	December 2006

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1 Executive Summary

Drainage Services Department (DSD) awarded the contract for the Upgrading of Ting Kok Road Pumping Station No. 5 to Maeda Corporation in September 2005. Maeda appointed Hyder Consulting Limited as the Contractor's Landfill Gas (LFG) Team during the construction period. The construction contract commenced in September 2005 and the total construction period is approximately 28 months.

This report recorded the results and findings of the required EM&A works undertaken during November 2006. All relevant mitigation measures and requirements were implemented. There have been no exceedances in Action/Limit (A/L) Levels at any of the locations monitored under the EM&A programme.

An 11m-deep borehole, designated "M1", was installed by the Contractor to provide an "early warning" of potential LFG problems that could affect surface trenches, but does not form part of the EM&A programme. The Contractor has noted the monitoring results from M1 and will take them into consideration when planning surface trench works in the vicinity.

Manhole M2 was dismantled in July 2006 because of planned works and therefore monitoring at M2 has been terminated since July 2006. However, LFG has never been detected at M2 and so it is not considered that termination of monitoring at this location will have any significant impact on the overall effectiveness of the environmental monitoring programme, as monitoring at manhole M3 will continue.

Environmental Protection Department (EPD) conducted a site visit on 2 November 2006 and had no adverse comments.

Event and Action Levels

The baseline monitoring results documented in the baseline monitoring report for the Project (our report ref.: EA01284R0022) provided the A/L Levels for LFG impact monitoring and also the Action Plan. For methane, A/L Levels are 0.5%/1.0%; for carbon dioxide, A/L Levels are 0.5%/1.5%; and for oxygen, A/L Levels are 19.0%/18.0%.

Complaint Log

There were no non-compliances in terms of the EM&A programme during the reporting period and no complaints regarding LFG were received.

Reporting Changes

There have been no reporting changes during the reporting period.

Future Key Issues

Based on anticipated construction activities for next month, on the construction programme and on the review of relevant Contractor's method statements by the LGT, no significant future key issues in terms of LFG have been identified at this time.



2 Introduction

2.1 Basic Project Information

Upgrading of Ting Kok Road Pumping Station No. 5 (TKRPS) under North District and Tolo Harbour Sewerage, Sewage Treatment and Disposal – High Priority Works is implemented based on the findings of the Study *Review of North District and Tolo Harbour Sewerage Master Plan*.

The purpose of the Project is to upgrade the existing TKRPS to cope with the sewerage needs of both existing and future developments along Ting Kok Road up to Tai Mei Tuk. The design pumping capacity of TKRPS has to be increased from 2,888m³/day to 11,520m³/day in order to serve the increasing sewage flow along Ting Kok Road. The Project is of high priority and needs to commence as soon as possible because full commissioning of the upstream sewerage facilities along Ting Kok Road is dependent on the completion of this Project.

The proposed scope of works includes construction of a new pumping station, laying of about 350m long twin 450mm diameter rising mains and 250m long 600mm diameter gravity sewer, and demolition of the existing pump pit. The main pumping station, transformer room, gravity sewers, manholes and boundary wall (except the twin rising mains) will be located outside the existing passive vent trench of Shuen Wan Landfill and the three existing Landfill Gas (LFG) monitoring probes within the Project site will not be affected by the works.

Six village houses are located about 60m away from the boundary of the proposed pumping station. The proposed pumping station upgrading works therefore constitute a Designated Project under type F.3(b)(i) in Schedule 2 of the Environmental Impact Assessment Ordinance. A Project Profile (PP) for direct application of the Environmental Permit (EP) (Application No.DIR-115/2005) was approved by the Environmental Protection Department (EPD) in March 2005 and an EP (EP-212/2005) was granted in April 2005, prior to the commencement of the upgrading works.

Drainage Services Department (DSD) awarded the contract for the upgrading of TKRPS to Maeda Corporation in September 2005. Maeda appointed Hyder Consulting Limited as the Contractor's Landfill Gas Team (LGT) during the construction period. CH2M HILL Hong Kong Limited is the Independent Checker (Landfill Gas) (IC(LG)) of the project. The construction contract commenced in September 2005 and the total construction period is approximately 28 months.

Close proximity of the Project to Shuen Wan Landfill (within the 250m Consultation Zone of Shuen Wan Landfill) may also suggest the possibility of landfill gas being released during excavation works for substructure of pumping station, transformer room and associated rising mains and gravity sewers. As such, a *Report on Landfill Gas Hazard Assessment* has been prepared previously (as Appendix E to the PP) in accordance with EPD's *Landfill Gas Hazard Assessment Guidance Note* and the *Practice Note for Professional Persons – Landfill Gas Hazard Assessment for Development Adjacent to Landfills*.



2.2 Management Structure and Project Organisation

The Engineer (DSD) is responsible for overseeing the construction works and ensuring that they are undertaken by the Contractor (Maeda) in accordance with the specification and contractual requirements. The Contractor shall report to the Engineer. The LGT is employed by the Contractor and responsible for conducting the EM&A programme. The IC(LG) shall advise the Engineer on LFG issues related to the Project.

The key personnel contact names and telephone number are summarised in Table 2-1. The project organisation is shown in Appendix 1.

Party	Position	Name:	Tel. No.:
Project Proponent and	Project Manager	Raymond LEE	2594 7457
Engineer – DSD	Engineer's Representative	Tim TSOI	2594 7460
Contractor – Maeda	Site Agent	George CHEUNG	9268 1918
LGT – Hyder Consulting	LGT Leader	Alexi BHANJA	2911 2916
IC(LG) – CH2M HILL	IC(LG)	Aldex LEE	2507 2203

Table 2-1 Contact Details for Key Project Personnel

2.3 Construction Programme

Construction programme of the Project is attached in Appendix 2. As can be seen, all works carried out during the reporting period have been carried out with the required LFG control measures in place (e.g. LFG monitoring for "hot works").

2.4 Works Undertaken during the Month

Works undertaken during the reporting period included:

- Construction of gravity sewer and rising main
- Excavation
- Sheet piling work and installation of walings and struts
- Construction of sub-structure

3 Environmental Status

3.1 Works Undertaken during the Month with Illustrations

Works undertaken during the reporting period are identified in Section 2.4. Illustrations of these works, such as location of works, etc., are provided in Appendix 3.



3.2 Project Area and Monitoring Locations

The site is located at Ting Kok Road in Tai Po, and the major items to be constructed are located outside the existing passive vent trench of the adjacent Shuen Wan Landfill, which has been restored and is currently being monitored.

The impact monitoring locations specified in the *Report on Landfill Gas Hazard Assessment* comprise "utilities' manholes and chambers" (i.e. fixed locations for purposes of environmental protection) and at excavations of 1m depth or more (i.e. variable locations for purposes of worker safety).

An 11m-deep borehole, designated "M1", was installed by the Contractor (in addition to contract requirements) to provide an "early warning" of potential LFG problems that could affect surface trenches. It is not intended that M1 forms part of the EM&A programme, since conditions deep below the surface do not fall within the scope of the EM&A programme (i.e. manholes and excavations >1m).

In terms of fixed monitoring locations, the Baseline Report identified two existing manholes (M2 and M3). Manhole M2, however, was dismantled in July 2006 because of planned works and therefore monitoring at M2 has been terminated since July 2006. LFG has never been detected at M2 and so it is not considered that termination of monitoring at this location will have any significant impact on the overall effectiveness of the environmental monitoring programme, as monitoring at manhole M3 will continue. There are no other suitable manholes within the site that can be monitored in lieu of M2.

The fixed monitoring location is shown in Table 3-2:

Monitoring Station ID	Description	Purpose
M3	Existing Manhole (2m deep)	EM&A programme

Table 3-2 Fixed Monitoring Locations for LFG EM&A

In terms of variable monitoring locations, these vary from month to month, depending on site activities.

Project area is shown in Appendix 3 and the fixed monitoring location is shown in Appendix 4.

4 Brief Summary of EM&A Requirements

4.1 Monitoring Parameters

During the construction phase, impact monitoring of LFG is to be carried out in accordance with the *Report on Landfill Gas Hazard Assessment* at the selected locations. LFG parameters to be monitored comprise oxygen, methane and carbon dioxide. Temperature is also recorded but this is not a LFG parameter.



4.2 Monitoring Equipment

Table 4-3 shows the equipment list for LFG monitoring.

Equipment	Manufacturer / Serial Nos.		
Gas Analyser GA 2000	Geotechnical Instruments / GA 08277		

Table 4-3 Equipment List for LFG Monitoring

4.3 Event and Action Levels/Plans

The baseline monitoring results documented in the baseline monitoring report for the Project (our report ref.: EA01284R0022) provided the Action and Limit (A/L) Levels for LFG impact monitoring and also the Action Plan. As per the *Report on Landfill Gas Hazard Assessment*, and in keeping with the standard presentation of LFG EM&A in other projects, both the A/L Levels and Action Plan are shown in the same table.

Table 4-4 shows the combined A/L Level and Action Plan for the Project, to be triggered if the LFG criteria are exceeded at fixed location M3, or at any of the variable locations:

Parameter	A/L Level		Action Plan
	<19%	_	Ventilate to restore oxygen to > 19%
Oxygen	<18%	1 1 1	Stop works Evacuate personnel/prohibit entry Increase ventilation to restore oxygen to >19%
	>10% LEL (i.e. > 0.5 % by volume)	_ _	Prohibit hot works Ventilate to restore methane to < 10% LEL
Methane	> 20% LEL (i.e. > 1% by volume)	1 1 1	Stop works Evacuate personnel/prohibit entry Increase ventilation to restore methane to < 10% LEL
	>0.5%	_	Ventilate to restore carbon dioxide to <0.5%
Carbon Dioxide	>1.5%	- - -	Stop works Evacuate personnel/prohibit entry Increase ventilation to restore carbon dioxide to >0.5%

Table 4-4 Action and Limit Levels and Action Plan for Landfill Gas

4.4 Mitigation Measures & Requirements in Contract Documents

Measures for mitigating LFG hazards during the construction works have been stated clearly in the *Report on Landfill Gas Hazard Assessment*, which forms part of the contract documents Specification. Relevant excerpts could be referred to the Project Profile for Upgrading of Ting Kok Road Pumping Station No. 5.

Section 5 and Appendix 5 summarise the mitigation measures and requirements as well as the implementation status.



5 Implementation Status of LFG Control Measures

The status of the mitigation measures implemented by the Contractor is listed in Appendix 5. All LFG hazard control measures have been implemented as stipulated in the contract documents and in the *Report on Landfill Gas Hazard Assessment*.

6 Monitoring Results

Calibration records for the equipment used for LFG monitoring are provided in Appendix 6. Original *Field Measurement Recording Sheets* are provided in Appendix 7.

6.1 Early-warning Location M1

During the reporting period, LFG was monitored at M1 to give an "early warning" of potential LFG problems. M1 is an 11m-deep borehole and the carbon dioxide and methane concentrations may reflect possible influence of LFG at depth below the site. Monitoring results are shown in Table 6-5, below. Location M1 is not subject to EM&A and so A/L Levels are not applicable.

Monitoring	Monitoring		Gas Concentration (%)			
Station ID	Date	Methane	Carbon Dioxide	Oxygen	Temperature (°C)	
M1	27 November 2006	0	0	20.3	23.9	

Table 6-5 Monitoring Results at M1

The Contractor has noted these results and will take them into consideration when planning surface trench works in the vicinity.

6.2 Fixed Location M3

During the reporting period, LFG was monitored at the fixed location M3 for purposes of environmental protection. This is shown in Table 6-6, below:

Monitoring		Ga	Temperature		
Station ID	Date	Methane	Carbon Dioxide	Oxygen	(°C)
M3	27 November 2006	0	0	20.3	23.9

Note: bold indicates an exceedance of Action Level and bold indicates exceedance of Limit Level

Table 6-6 Monitoring Results at M3

Appendix 4 shows the position of each fixed monitoring station. There were no exceedances of A/L Levels at the fixed location during the reporting period.



6.3 Variable Locations

During the reporting period, LFG was also monitored at variable locations (for purposes of worker safety). These locations were within Portions 4 to 7 as shown in Appendix 3. A total of 670 readings for each of carbon dioxide, methane and oxygen were taken for safety-related reasons, including excavation and hot works. There were no exceedances for A/L Levels at any variable locations during the reporting period. LFG monitoring results for variable locations are provided on the *Field Measurement Recording Sheets* in Appendix 7.

7 Report on Non-Compliance and Complaints

EPD has conducted site visit on 2 November 2006 in the reporting month. EPD inspected the effluent discharge, the chemical waste storage area, measures on dust prevention and the permit display at site entrance. EPD has no adverse comment. There were no non-compliances during the reporting period and no complaints regarding LFG were received.

8 Others

8.1 Future Key Issues

Construction activities for next month are anticipated to include:

- Construction of gravity sewer and rising main
- Construction of sub-structure

Based on the above, on the construction programme (shown in Appendix 2) and on the review of relevant Contractor's method statements by the LGT, no significant future key issues in terms of LFG have been identified at this time.

LFG monitoring will be continued and the tentative monitoring schedule at fixed locations for the next three months is shown below:

- 1 December 2006
- 3 January 2007
- 1 February 2007

8.2 Comments, Recommendations and Conclusions

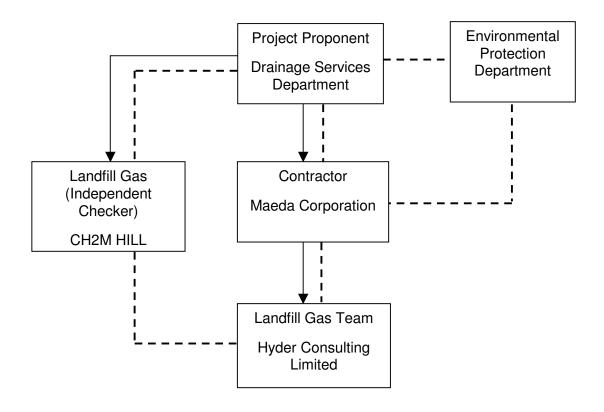
The LFG mitigation measures adopted by the Contractor during the reporting period are considered have been implemented in a satisfactory manner and there have been no exceedances in A/L Levels. The EM&A programme is considered to have performed acceptably and there are no recommendations for improvements or modifications at this time.

In conclusion, there have been no significant issues relating to LFG hazard during the reporting period.



Project Organisation





---- Line of communication

Line of Authority



Construction Programme

Maeda Corporation Contract No. DC/2005/01 Expansion of Shek Wu Hui Sewage Treatment Works and Upgrading of Ting Kok Road Pumping Station No.5 Master Programme (Rev. 4)

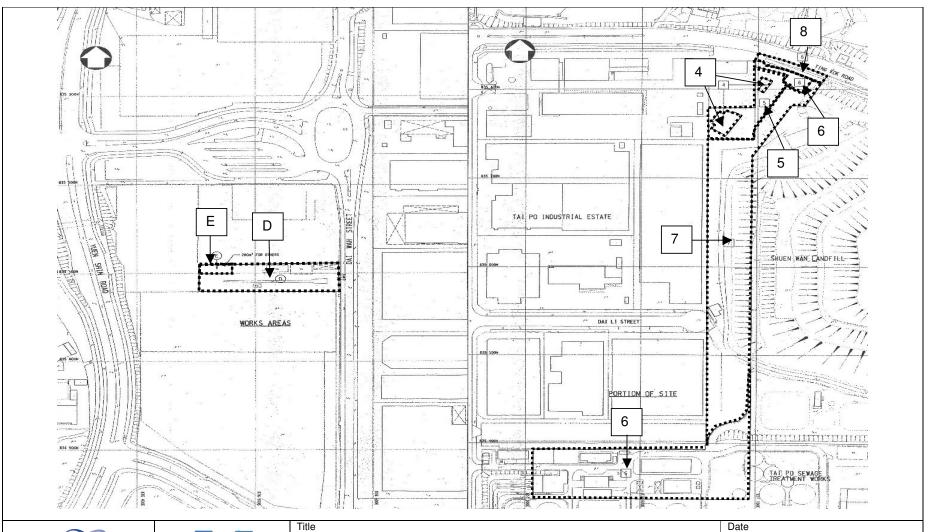
0 Task Name ID Duration Finish F M A M J J A 5 0 N D J F M A M J J A S O N D J F M A M J J A 775 Stage 4 (MH10 - Existing Manhole) 37 days Tue 06/11/28 Tue 07/1/9 774 **2**//2h 776 CCTV Inspection 5 days Wed 07/1/10 Mon 07/1/15 775 1/10 1/15 777 100 days Ting Kok Road Pumping Station No. 5 (Pipeworks) Fri 07/7/27 Tue 07/4/3 4/3 778 Laying Sewer MH6 - MH5 (by trenchless method) 4 days Tue 07/4/3 Fri 07/4/6 769 4/3 1.4/6 779 Construction of MH6 3 days Tue 07/4/10 778 Sat 07/4/7 4/10 4/7 780 Construction of MH5 3 days Wed 07/4/11 Fri 07/4/13 779 4/11 4/13 781 Sheet Piling and Excavation (Type E & F) 30 days Tue 07/4/3 Mon 07/5/7 769 4/3 5/7 782 Laying Sewer MH5 - MH4 8 days Sat 07/4/14 Mon 07/4/23 780 4/14 4/23 783 Construction of MH4 Tue 07/5/1 782 7 days Tue 07/4/24 4/24 5/1 784 Laying Sewer MH4 - MH3 7 days Wed 07/5/2 Wed 07/5/9 783 5/2 5/9 785 Construction of MH3 7 days Thu 07/5/10 Thu 07/5/17 784 5/10 5/17 786 Laying Sewer MH3 - MH2 5 days Fri 07/5/18 Wed 07/5/23 785 5/18 5/23 787 Construction of MH2 7 days Thu 07/5/24 Thu 07/5/31 786 5/24 5/31 788 Laying Sewer MH2 - MH1 5 days Fri 07/6/1 Wed 07/6/6 787 6/1 6/6 789 Construction of MH1 7 days Thu 07/6/7 Thu 07/6/14 788 790 Laying Sewer MH4 - F2 . 6 days Fri 07/6/15 Thu 07/6/21 789 6/15 6/21 791 Modification of F2 5 days Pri 07/6/22 Wed 07/6/27 790 6/22 6/27 792 Laying Sewer P/S - MH6 Thu 07/6/28 7 days Thu 07/7/5 791 6/28 7/5 793 Testing of pipeline 5 days Fri 07/7/6 Wed 07/7/11 792 7/6 17/11 794 Laying Sewer P/S - Existing box culvert Thu 07/7/12 5 days Tue 07/7/17 793 7/12 7/17 795 Connection to existing box culvert 5 days Wed 07/7/18 Mon 07/7/23 794 7/18 7/23 796 CCTVInspection 4 days Tue 07/7/24 Fri 07/7/27 795 7/24 7/27 797 Remaining Works for P/S and T/H 142 days Thu 07/3/1 Mon 07/8/13 798 Civil works for E&M installation (Cable Ducts & Draw Pits) 135 days Fri 07/3/9 Mon 07/8/13 799 **E** External Finishes 120 days Thu 07/3/1 Wed 07/7/18 800 Roofing Finishes 43 days Thu 07/3/1 Thu 07/4/19 801 21 Key Date of Section 7 of the Works 1 day Fri 07/7/27 Fri 07/7/27 802 Section 8 - All Remaining Works 183 days Thu 07/4/26 Sat 07/11/24 803 E&M installation (by Others) 157 days Thu 07/4/26 Thu 07/10/25 804 External Cable Duct, Drainage & Catchpit 55 days Tue 07/8/14 Tue 07/10/16 798 8/14 10/16 805 Construction of Boundary Wall 58 days Tue 07/8/14 Fri 07/10/19 798 806 Demolition of Existing Boundary Wall 7 days Sat 07/10/20 Sat 07/10/27 805 10/20 🛱 10/27 807 Road Paving Sat 07/10/20 Tue 07/11/13 804,8 21 days 10/20 11/13 808 Testing and Commissioning (by Others) 80 days Wed 07/8/15 Thu 07/11/15 8/15 809 Connection to MH F2 7 days Mon 07/7/23 Mon 07/7/30 7/23 🖳 7/30 810 Connection to MH1 7 days Mon 07/7/23 Mon 07/7/30 7/23 📓 7/30 811 Demolition of existing pumping pit Tue 07/7/31 7 days Tue 07/8/7 809,8 7/31 8/7 812 Grouting for Existing Sewer & Manhole 30 days Wed 07/8/8 Tue 07/9/11 811 813 Landscaping 30 days Wed 07/9/12 Tue 07/10/16 812 9/12 10/16 814 Establishment works 34 days Wed 07/10/17 Sat 07/11/24 813 11/24 815 Key Date of Section 8 of the Works 1 day Sat 07/11/24 Sat 07/11/24 **11/24**

Date: Mon 06/8/28

Task
Critical Task
Progress
Folled Up Task
Rolled Up Milestone
Rolled Up Milestone
Rolled Up Milestone
Project Summary
Page 19



Location of Works and Project Area





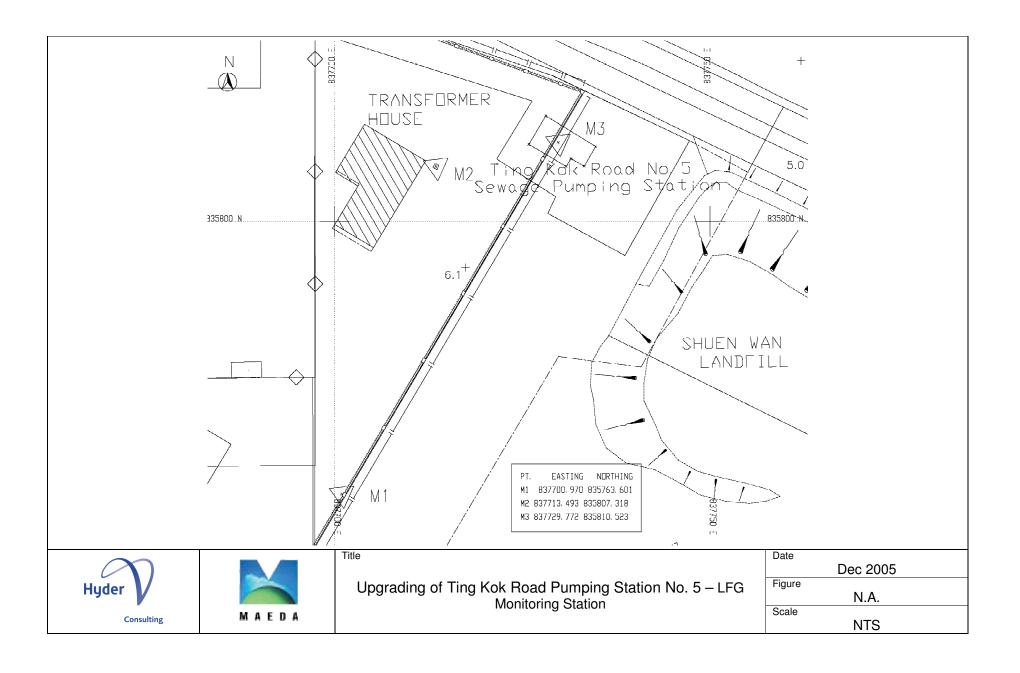


Upgrading of Ting Kok Road Pumping Station No. 5 – Portion of Site and Works Area

.		
Date		
	Dec 2005	
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Figure		
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	N.A.	
Scale		
	NTS	
1	11113	



Fixed Monitoring Locations





Updated Implementation Schedule

Section	Environmental Protection Measure	Status	Location	Implementation Agent	Implementation Stage	Relevant Legislation & Guidelines
6.1	Safety officer, trained in the use of gas detection equipment and landfill gas-related hazards should be appointed on site throughout the ground works phase. The Safety Officer should be provided with intrinsically safe portable instruments, appropriately calibrated and capable of measuring the following gases in the ranges indicated: methane 0-100% LEL and 0-100% by volume; carbon dioxide 0-100%;and	Y				Code of practice on Safety and Health at Work in Confined Space. Landfill Gas Hazard Assessment Guidance Note (EPD/TR8/97)
	oxygen 0-21%					
6.2	No smoking and naked flames should be allowed.	Υ	Within			
6.2	No worker should work alone at any time in the confined area or any excavation trenches.	Υ	the work site	Contractor	Construction	
6.2	Construction equipment should be equipped with a vertical exhaust at least 0.6m above ground level and/or with spark arrestors	Y				Landfill Gas
6.2	Electrical motors and electrical extension cords should be explosion-proof or intrinsically safe.	N/A				Hazard Assessment Guidance Note
6.2	Welding, flame-cutting or other hot works should only be carried out in trenches or confined spaces when controlled by a 'permit to work' procedure, properly authorized by the Safety Officer.	N/A				(EPD/TR8/97)
6.2	Forced ventilation should be required for workers, if in a trench deeper than 1m.	N/A				

Section	Environmental Protection Measure	Status	Location	Implementation Agent	Implementation Stage	Relevant Legislation & Guidelines
6.2	During piping assembly or conducting construction, all valves/seals should be closed as installed to prevent the migration of gases through the pipeline/conduit. Forced ventilation and gas monitoring should be performed before staff entering and working in large diameter pipe.	N/A	Within the work site	Contractor	Construction	Landfill Gas Hazard Assessment Guidance Note (EPD/TR8/97)
6.2	The Safety Officer should set down the monitoring frequency and areas prior to commencement of construction works.	Y				
6.2	Daily and routine monitoring should be carried out in all excavations.	Y				
6.2	All measurements in excavations should be made with the extended monitoring tube located not more than 10mm from the exposed ground surface. Monitoring should be performed properly to make sure that the area is free of landfill gas before any man enters the area.	Y				
6.2	For excavations deeper than 1m, measurement should be carried out:	N/A				
	 at the ground surface before excavation commences; 					
	 immediately before any worker enters the excavation; 					
	 at the beginning of each half working day (i.e morning and afternoon) for the entire period the excavation remains open; and 					
	 periodically through the working day whilst works are in the excavation. 					

Section	Environmental Protection Measure	Status	Location	Implementation Agent	Implementation Stage	Relevant Legislation & Guidelines
6.2	For excavations between 300mm and 1m deep, measurements should be carried out:	Y				
	 Directly after the excavation has been completed; and 					
	 Periodically whilst the excavation remains open. 					
6.2	The landfill gas precautionary measures involved with excavation and piping works should be included in the Safety Plan.	Y	Within the work site	Contractor	Construction	Landfill Gas Hazard Assessment
6.3	The cracks on the ground level at the working area should be monitored during ground-works construction	N/A				Guidance Note (EPD/TR8/97)
6.4	Where there are any temporary site offices, or any other buildings that have enclosed spaces with the capacity to accumulate landfill gas, then they should either:	Y				
	 Be located on an area which has been proved to be free of landfill gas and monitored manually by the Safety officer or an approved and appropriately qualified person to ensure that hazardous concentration of landfill gas does not occur; or 					
	 Be raised clear of the ground. If buildings are raised clear of the ground, a minimum, clear separation distance should be 500mm. 					
6.5	Such offices or buildings should be provided with some kinds of control of gas by mechanical means e.g. forced ventilation using fans or blowers.	Y				
6.6	Adequate fire extinguishing equipment, fire-resistant clothing and breathing apparatus (BA) sets should be made available on site.	Y				

Section	Environmental Protection Measure	Status	Location	Implementation Agent	Implementation Stage	Relevant Legislation & Guidelines
6.7	Periodic environmental monitoring report with LFG control measures evaluation during construction phase should be provided by contractor and submitted to SP/DSD and EPD.	Y				
7.1	When service voids, manholes or inspection chambers within the proposed site are entered for maintenance, monitoring and a checklist system of safety requirements should be performed before entry.	N/A	Manhole/ chamber	DSD	Operation	Code of Practice on Safety and health at Work in Confined Spaces
7.2	A procedure should be developed as part of the station operation to respond to gas detector alarms. The detection system should be maintained and calibrated regularly in accordance with the manufacturer's recommendations. In the event of a power failure, the detectors should have an 8-hour battery back-up system, and the procedures should indicate for manual monitoring in the station in the event of prolonged power failure (or longer than 8 hours).	N/A	Pumping station			
7.3	Forced ventilation should be used if methane of more than 0.5% (by volume) in the internal atmosphere (e.g. in service voids, manholes, inspection chambers or rooms as mentioned above) in detected.	N/A	Manhole/ chamber/ pumping station			
7.4	No person should enter or remain in a confined spaces or trenches where the carbon dioxide concentration exceed 1.5% (by volume).	N/A				
7.5	Oxygen concentration should be monitored and no person should enter or remain in any confined spaced or trenches where the oxygen content of air has fallen below 18% by volume.	N/A				

Section	Environmental Protection Measure	Status	Location	Implementation Agent	Implementation Stage	Relevant Legislation & Guidelines
7.6	All the access to these confined spaces would be restricted only to authorize personnel who should be aware of the LFG hazard. No member of general public should be permitted or allowed to access these confined spaces, manholes or inspection chambers.	N/A				

Note:

Y – Implemented

 $N-Not\ Implemented$

N/A - Not Applicable



Calibration Records





Environmental Management Division

CALIBRATION REPOR

Client Address : Maeda Corporation : Tai Po Site Office,

Ting Kok Road,

Tai Po

Report No.

: CR 000075

Page No.

: 1 of 2

Issue Date

: 23/08/2006

Received Date

: 19/08/2006

Approved Signatory: Grace Ting

Remarks

Completion Date

: 22/08/2006

Calibration Results:

Item

Gas Analyser model GA 2000, Geotechnical Instruments

Serial No.

GA 08277

Calibration Method:

In house method (calibrated and checked with certified gas standards)

Date of Calibration:

22/08/2006

Results:

Oxygen

 Expected, %	" "Andrew "	Reading, %	
0.0		0.0	
7.7		7.1	
20.0		19.8	

Methane

Expected, %	Reading, %
0.0	0.0
16.6	15.6
31.6	30.4
44.8	45.3
60.0	60.3





: CR 000075

: 23/08/2006

: 2 of 2

Environmental Management Division

Client Address : Tai Po Site Office,

: Maeda Corporation

Ting Kok Road,

Tai Po

Received Date

: 19/08/2006

Approved Signatory: Grace Ting

Remarks

Completion Date

: 22/08/2006

Report No.

Page No.

Issue Date

Calibration Results:

Item

Gas Analyser model GA 2000, Geotechnical Instruments

Serial No.

GA 08277

Calibration Method:

In house method (calibrated and checked with certified gas standards)

Date of Calibration:

22/08/2006

Results:

Carbon Dioxide

Expected, %	Reading, %
0.0	0.0
11.1	10.6
21.3	21.1
30.1	31.2
40.0	39.9



Field Measurement Recording Sheets

ANNEXA

Landfill Gas Monitoring - Field Measurement Recording Sheet (Sample)

Name of site:

TKR Pls. No.5

Date of measurement:

01 Det., 06

C	
Sampling equipment used:	Dates calibrated
	2 atos oanorated
(1)	
GH 2000	22/08/06
	27/04/06
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• .	Sample	Date of				Pei	imeter on-site a	nd/or off-site	nonitoring hol	es	B
	4 .	measurement	Sampling time	We	ather	Balańce gas (%)		Carbon	and the same of th	W	
	Portion 5	01 Oct., 66	1	Applies In		Datance gas: (%)	(methane %)	1	Oxygen (%)	Temp (°C)	Remark
	Portion 5	1,	-06:17		E ala est	18.40 P.	- O	0	20.15	23.3.	Ground
-	Pert 4	i V	08:12	100		79.3	<i>b</i>	0	20.5	23.4:	Lim depth
	PA-J	11/	08:13			79.4		0	20.7	23.6	tomdepth
	Portion 7		58. 114	11 T. 11	ikut ur	1 Star Pro Francis		0	20.5	21.4	Som depth
	Portion 7		of: 15	17		79.1	5 6	0	20.4	٤. إح	In depth
	B-12 7	1	68:46	#		761		8	20.4	234	2.tm objeth
	Portin 7	`	08:17	31 - 77		79.5				23.4	for depth
-	Part - 7		08118	7 1973		78.1	j: P	D D	204	23.4	for digth
	Portion ?		vd: 19	1		79.5	. p	0		33.6	4 m depth
ļ	Porting 1		08:20	3 4 7 1 No. 10		79.6	0	D	20.4	23.1.	2m depth
	*								20.6	->. 1.	Im depth
-				1 1							
L		<u>.</u>	11.71			A The Control of the	1		:		
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Field Technician:

Sub-Agent

Checked by:

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Landfill Gas Monitoring - Field Measurement Recording Sheet (Sample)

Name of site:

TER Pls. No. 5

Date of measurement:

01 Oct., 06

Sampling equipment used:	Dates calibrated ·
GA Lovo	1811
	22/08/06

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	Sample	1 - t C				Per	rimeter on site ar	nd/or off-site i	nonitoring hol	es	<u>i</u> :
	location	Date of measurement	Sampling time	y We	ather		1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1 + 1	Carbon	- de santosekult berlege serie v	w	
	Portion 5	01 Oct., 06	13:,15	in COM	uuon-	Balance gas (%)	(methane %)	dioxide (%)	Oxygen (%)	Temp (°C)	Remark
	Portion 5		13:16	The state of the s		1,14.5	10	<u>.</u>	20.15	27.6	Ground
	Portlon 4	1,			Arthur 1988	79.30	17.	Ø	20.6	27.0	6 m depth
	Portion 5		13:18			79.4	0	0	205	267	10m depth
	Portion 7		13:19	. 175-176.00	The state of	79.4	6	0	205	26.8	4m dipth
]_	Portion 7	1,	13:30			795	i. alt ,	0	20.6	26.7	3m depth
	Portion 7		13:21	[·		178.6	0	O State of the sta	204	26.7	2it m depth
.	Portin >	```\	13:22			19.4		<u> </u>	20.5	26.8	4 m depth
	Portion 7	. ,	13:23		,	79.4		0	20.5	26.8	Lon slep th
	Portion 7	٠,	13:24			79.4	0	0	20.5	26-8	In depth
	Portion 6	1,	13:25				5	0	20.5	26.8	Im depth
					146			0	20.4	26.8	am dysth.
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Field Technician:

A Sub Agent

Checked by:

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Ting Kok Road Pumping Station No.5 2-Nov-06

Name of site: Date of Measurement:

Smapling equipment used:	Dates calibrated
GA 2000	22/08/2006

					Perimeter or	n-site and/or off-site	e monitoring holes		1
Sample	Date of	Samping	Weather	Balance gas (%)	Flammable gas	Carbon Dioxide	Oxygen (%)	Temp (°C)	Remark
Location	Measurement	Time	condition		(methane %)	(%)			
Portion 5	2-Nov-06	8:15	Fine	79.3	0	0	20.6	23.3	Ground
Portion 5	2-Nov-06	8:16	Fine	79.3	0	0	20.6	23.5	3m depth
Poriton 5	2-Nov-06	8:16	Fine	79.4	0	0	20.5	23.5	6m depth
Portion 4	2-Nov-06	8:17	Fine	79.5	0	0	20.4	23.5	5m depth
Portion 4	2-Nov-06	8:18	Fine	79.5	0	0	20.4	23.5	10m depth
Portion 7	2-Nov-06	8:19	Fine	79.4	0	0	20.5	23.5	4m depth
Portion 7	2-Nov-06	8:20	Fine	79.4	0	0	20.5	23.5	3m depth
Portion 7	2-Nov-06	8:21	Fine	79.4	0	0	20.5	23.5	2.5m depth
Portion 7	2-Nov-06	8:22	Fine	79.4	0	0	20.5	23.5	4m depth
Portion 7	2-Nov-06	8:23	Fine	79.5	0	0	20.4	23.5	4m depth
Portion 7	2-Nov-06	8:24	Fine	79.5	0	0	20.4	23.5	2m depth
Portion 6	2-Nov-06	8:25	Fine	79.4	0	0	20.5	23.5	2m depth
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Field Technician:		Checked by:	
	(Sub-Agent / Supervisor)		(RSO)

Name of site:

Ting Kok Road Pumping Station No.5 2-Nov-06

Smapling equipment used:	Dates calibrated
GA 2000	22/08/2006

			Perimeter on-site and/or off-site monitoring holes						
Sample	Date of	Samping	Weather	Balance gas (%)	Flammable gas	Carbon Dioxide	Oxygen (%)	Temp (°C)	Remark
_ocation	Measurement	Time	condition		(methane %)	(%)	* .		
Portion 5	2-Nov-06			79.3	0	0	20.6	27.6	Ground
Portion 5	2-Nov-06			79.3	0	0	20.6	27.6	3m depth
Poriton 5	2-Nov-06			79.4	0	0	20.5		6m depth
Portion 4	2-Nov-06			79.5	0	0	20.4		5m depth
Portion 4	2-Nov-06	1		79.5	0	0	20.4		10m depth
Portion 7	2-Nov-06			79.4	0	0	20.5		4m depth
Portion 7	2-Nov-06		Fine	79.4	0	0	20.5		3m depth
Portion 7	2-Nov-06	12:28	Fine	79.4	0	0	20.5		2.5m depth
Portion 7	2-Nov-06	12:29	Fine	79.4	0	0	20.5	27.6	4m depth
Portion 7	2-Nov-06			79.5	0	0	20.4		4m depth
Portion 7	2-Nov-06	12:31	Fine	79.5	0	0	20.4		2m depth
Portion 6	2-Nov-06	12:32	Fine	79.4	0	0	20.5		2m depth
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Field Technician:	*	Checked by:	Xmo
	(Sub-Agent / Supervisor)	√ 	(R\$O)

Name of site:

Ting Kok Road Pumping Station No.5 3-Nov-06

Smapling equipment used:	Dates calibrated
GA 2000	22/08/2006

			Perimeter on-site and/or off-site monitoring holes						
Sample	Date of	Samping	Weather	Balance gas (%)	Flammable gas	Carbon Dioxide	Oxygen (%)	Temp (°C)	Remark
_ocation	Measurement	Time	condition		(methane %)	(%)			
Portion 5	3-Nov-06	8:10	Fine	79.4	0	0	20.5		Ground
Portion 5	3-Nov-06	8:11	Fine	79.2	0	0	20.7		3m depth
Poriton 5	3-Nov-06	8:12	Fine	79.4	0	0	20.5		6m depth
Portion 4	3-Nov-06	8:13	Fine	79.5	0	0	20.4		5m depth
Portion 4	3-Nov-06	8:14	Fine	79.4	0	0	20.5	27.1	10m depth
Portion 7	3-Nov-06	8:15	Fine	79.4	0	0	20.5	27.1	4m depth
Portion 7	3-Nov-06	8:16	Fine	79.4	0	0	20.5	27.1	3m depth
Portion 7	3-Nov-06	8:17	Fine	79.3	0	0	20.6	27.1	2.5m depth
Portion 7	3-Nov-06		Fine	79.4	0	0	20.5	27.1	4m depth
Portion 7	3-Nov-06	8:19	Fine	79.5	0	0	20.4	27.1	4m depth
Portion 7	3-Nov-06	8:20	Fine	79.5	0	0	20.4	27.1	2m depth
Portion 6	3-Nov-06	8:21	Fine	79.4	0	0	20.5	27.1	2m depth
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Field Technician:		 Checked by:	Dino
	(Sub-Agent / Superviso r)		(RSO)

Name of site:

Ting Kok Road Pumping Station No.5 3-Nov-06

Smapling equipment used:	Dates calibrate
GA 2000	22/08/2006

	T		Perimeter on-site and/or off-site monitoring holes						
Sample	Date of	Samping	Weather	Balance gas (%)	Flammable gas	Carbon Dioxide	Oxygen (%)	Temp (°C)	Remark
Location	Measurement	Time	condition		(methane %)	(%)			
Portion 5	3-Nov-06	12:21	Fine	79.4	0	0	20.5	27.1	Ground
Portion 5	3-Nov-06	12:22	Fine	79.2	0	0	20.7		3m depth
Poriton 5	3-Nov-06	12:23	Fine	79.4	0	0	20.5		6m depth
Portion 4	3-Nov-06	12:24	Fine	79.5	0	0	20.4	27.1	5m depth
Portion 4	3-Nov-06	12:25	Fine	79.4	0	0	20.5	27.1	10m depth
Portion 7	3-Nov-06	12:26	Fine	79.4	0	0	20.5	27.1	4m depth
Portion 7	3-Nov-06	12:27	Fine	79.4	0	0	20.5	27.1	3m depth
Portion 7	3-Nov-06	12:28	Fine	79.3	0	0	20.6	27.1	2.5m depth
Portion 7	3-Nov-06	12:29	Fine	79.4	0	0	20.5	27.1	4m depth
Portion 7	3-Nov-06	12:30	Fine	79.5	0	0	20.4	27.1	4m depth
Portion 7	3-Nov-06	12:31	Fine	79.5	0	0	20.4	27.1	2m depth
Portion 6	3-Nov-06	12:32	Fine	79.4	0	0	20.5	27.1	2m depth
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Field Technician:	A Commence of the Commence of	1	Checked by:	Sino
	(Sub- A ger	nt / Supervisor)		(RSO)

Name of site:

Ting Kok Road Pumping Station No.5 4-Nov-06

Smapling equipment used:	Dates calibrated
GA 2000	22/08/2006

			Perimeter on-site and/or off-site monitoring holes						
Sample	Date of	Samping	Weather	Balance gas (%)	Flammable gas	Carbon Dioxide	Oxygen (%)	Temp (°C)	Remark
Location	Measurement	Time	condition		(methane %)	(%)	,		
Portion 5	4-Nov-06	8:15	Fine	79.1	0	0	20.8	26.5	Ground
Portion 5	4-Nov-06	8:16	Fine	79.2	0	0	20.7	26.5	3m depth
Poriton 5	4-Nov-06	8:17	Fine	79.3	0	0	20.6		6m depth
Portion 4	4-Nov-06	8:18	Fine	79.3	0	0	20.6		5m depth
Portion 4	4-Nov-06	8:19	Fine	79.2	0	0	20.7		10m depth
Portion 7	4-Nov-06	8:20	Fine	79.1	0	0	20.8		4m depth
Portion 7	4-Nov-06	8:21	Fine	79.1	0	0	20.8		3m depth
Portion 7	4-Nov-06	8:22	Fine	79.3	0	0	20.6		2.5m depth.
Portion 7	4-Nov-06	8:23	Fine	79.2	0	0	20.7		4m depth
Portion 7	4-Nov-06	8:24	Fine	79.1	0	0	20.8		4m depth
Portion 7	4-Nov-06	8:25	Fine	79.2	0	0	20.7		2m depth
Portion 6	4-Nov-06	8:26	Fine	79.1	0	0	20.8		2m depth
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Field Technician:	· · ·		•	Checked by:	
		(Sub-Agent / Supervisor)			(休SO)

Name of site:

Ting Kok Road Pumping Station No.5 4-Nov-06

Smapling equipment used:	Dates calibrated
GA 2000	22/08/2006
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			Perimeter on-site and/or off-site monitoring holes						
Sample	Date of	Samping	Weather	Balance gas (%)	Flammable gas	Carbon Dioxide	Oxygen (%)	Temp (°C)	Remark
_ocation	Measurement	Time	condition		(methane %)	(%)			
Portion 5	4-Nov-06	12:21	Fine	79.3	0	0	20.6	27.6	Ground
Portion 5	4-Nov-06	12:22	Fine	79.3	0	0	20.6	27.6	3m depth
Poriton 5	4-Nov-06	12:23	Fine	79.4	0	0	20.5	27.6	6m depth
Portion 4	4-Nov-06	12:24	Fine	79.5	0	0	20.4		5m depth
Portion 4	4-Nov-06	12:25	Fine	79.5	0	0	20.4	27.6	10m depth
Portion 7	4-Nov-06	12:26	Fine	79.4	0	0	20.5	27.6	4m depth
Portion 7	4-Nov-06	12:27	Fine	79.4	0	0	20.5	27.6	3m depth
Portion 7	4-Nov-06	12:28	Fine	79.4	0	0	20.5	27.6	2.5m depth
Portion 7	4-Nov-06	12:29	Fine	79.4	0	0	20.5	27.6	4m depth
Portion 7	4-Nov-06	12:30	Fine	79.5	0	0	20.4	27.6	4m depth
Portion 7	4-Nov-06	12:31	Fine	79.5	0	0	20.4	27.6	2m depth
Portion 6	4-Nov-06	12:32	Fine	79.4	0	0	20.5	27.6	2m depth
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Field Technician:		Checked by:	(XINO
	(Şub-Agent / S uperviso r)	 	(RSO)

Name of site:

Ting Kok Road Pumping Station No.5 5-Nov-06

Smapling equipment used:	Dates calibrated
GA 2000	22/08/2006

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		·		Perimeter on-site and/or off-site monitoring holes						
Sample		Samping	Weather	Balance gas (%)	Flammable gas	Carbon Dioxide	Oxygen (%)	Temp (°C)	Remark	
Location	Measurement		condition		(methane %)	(%)				
Portion 5	5-Nov-06	8:15	Fine	79.4	0	0	20.5	27.1	Ground	
Portion 5	5-Nov-06	8:16	Fine	79.2	0	0	20.7		3m depth	
Poriton 5	5-Nov-06	8:17	Fine	79.4	0	0	20.5		6m depth	
Portion 4	5-Nov-06	8:18	Fine	79.5	0	0	20.4		5m depth	
Portion 4	5-Nov-06	8:19	Fine	79.4	0	0	20.5	27.1	10m depth	
Portion 7	5-Nov-06	8:20	Fine	79.4	0	0	20.5	27.1	4m depth	
Portion 7	5-Nov-06	8:21	Fine	79.4	0	0	20.5	27.1	3m depth	
Portion 7	5-Nov-06	8:22	Fine	79.3	0	0	20.6	27.1	2.5m depth	
Portion 7	5-Nov-06	8:23	Fine	79.4	0	0	20.5	27.1	4m depth	
Portion 7	5-Nov-06	8:24	Fine	79.5	0	0	20.4		4m depth	
Portion 7	5-Nov-06	8:25	Fine	79.5	0	0	20.4	27.1	2m depth	
Portion 6	5-Nov-06	8:26	Fine	79.4	0	0	20.5	27.1	2m depth	
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Field Technician:		Checked by:	Lin
	(Syb-Agent / Supervisor)		(R\$O)

Name of site:

Ting Kok Road Pumping Station No.5 5-Nov-06

Smapling equipment used:	Dates calibrated
GA 2000	22/08/2006

			Perimeter on-site and/or off-site monitoring holes							
Sample		Samping	Weather	Balance gas (%)	Flammable gas	Carbon Dioxide	Oxygen (%)	Temp (°C)	Remark	
ocation	Measurement	Time	condition		(methane %)	(%)				
Portion 5	5-Nov-06	12:21	Fine	79.3	0	.0	20.6		Ground	
Portion 5	5-Nov-06	12:22	Fine	79.3	0	0	20.6		3m depth	
Poriton 5	5-Nov-06	12:23	Fine	79.4	0	0	20.5		6m depth	
Portion 4	5-Nov-06	12:24	Fine	79.5	0	0	20.4		5m depth	
Portion 4	5-Nov-06	12:25	Fine	79.5	0	0	20.4	27.6	10m depth	
Portion 7	5-Nov-06	12:26	Fine	79.4	0	0	20.5		4m depth	
Portion 7	5-Nov-06	12:27	Fine	79.4	0	0	20.5	27.6	3m depth	
Portion 7	5-Nov-06	12:28	Fine	79.4	0	0	20.5	27.6	2.5m depth	
Portion 7	5-Nov-06	12:29	Fine	79.4	0	0	20.5	27.6	4m depth	
Portion 7	5-Nov-06	12:30	Fine	79.5	0	0	20.4	27.6	4m depth	
Portion 7	5-Nov-06	12:31	Fine	79.5	0	0	20.4	27.6	2m depth	
Portion 6	5-Nov-06	12:32	Fine	79.4	0	0	20.5	27.6	2m depth	
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Field Technician:	f	Checked by:	AM
	(Sub-Agent / Supervis or)		(RSO)

Ting Kok Road Pumping Station No.5 6-Nov-06

Name of site: Date of Measurement:

Smapling equipment used:	Dates calibrate
GA 2000	22/08/2006
O/(2000	22/00/2000

Perimeter on-site and/or off-site monitoring h							e monitoring holes		
Sample	Date of	Samping	Weather	Balance gas (%)	Flammable gas	Carbon Dioxide	Oxygen (%)	Temp (°C)	Remark
_ocation	Measurement	Time	condition		(methane %)	(%)			
Portion 5	6-Nov-06	8:15	Fine	79.2	0	0	20.7	26.5	Ground
Portion 5	6-Nov-06	8:16	Fine	79.3	0	0	20.6	26.5	3m depth
Poriton 5	6-Nov-06	8:17	Fine	79.3	0	0	20.6	26.5	6m depth
Portion 4	6-Nov-06		Fine	79.2	0	0	20.7	26.5	5m depth
ortion 4	6-Nov-06	8:19	Fine	79.2	0	0	20.7	26.5	10m depth
Portion 7	6-Nov-06	8:20	Fine	79.3	0	0	20.6		4m depth
Portion 7	6-Nov-06	8:21	Fine	79.3	0	0	20.6	26.5	3m depth
Portion 7	6-Nov-06	8:22	Fine	79.3	0	0	20.6	26.5	2.5m depth
Portion 7	6-Nov-06	8:23	Fine	79.3	0	0	20.6	26.5	4m depth
Portion 7	6-Nov-06	8:24	Fine	79.1	0	0	20.8	26.5	4m depth
Portion 7	6-Nov-06	8:25	Fine	79.2	0	0	20.7	26.5	2m depth
Portion 6	6-Nov-06	8:26	Fine	79.1	0	0	20.8	26.5	2m depth
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Field Technician:	 1,	 Checked by:	\bigcap	Xvo
	(Sub-Agen t / Supervisor)		(F	₹ \$ O)

Name of site:

Ting Kok Road Pumping Station No.5 6-Nov-06

Smapling equipment used:	Dates calibrated
GA 2000	22/08/2006

				Perimeter on-site and/or off-site monitoring holes					
Sample	Date of	Samping	Weather	Balance gas (%)	Flammable gas	Carbon Dioxide	Oxygen (%)	Temp (°C)	Remark
ocation	Measurement	Time	condition		(methane %)	(%)			
Portion 5	6-Nov-06	12:21	Fine	79.3	. 0	0	20.6		Ground
Portion 5	6-Nov-06	12:22	Fine	79.3	0	0	20.6		3m depth
Poriton 5	6-Nov-06	12:23	Fine	79.4	0	0	20.5		6m depth
Portion 4	6-Nov-06	12:24	Fine	79.5	0	0	20.4		5m depth
Portion 4	6-Nov-06	12:25	Fine	79.5	0	0	20.4		10m depth
Portion 7	6-Nov-06	12:26	Fine	79.4	0	0	20.5		4m depth
Portion 7	6-Nov-06		Fine	79.4	0	0	20.5		3m depth
Portion 7	6-Nov-06	12:28	Fine	79.4	0	0	20.5		2.5m depth
Portion 7	6-Nov-06		Fine	79.4	0	0	20.5		4m depth
Portion 7	6-Nov-06	12:30	Fine	79.5	0	0	20.4		4m depth
Portion 7	6-Nov-06	12:31	Fine	79.5	0	0	20.4		2m depth
Portion 6	6-Nov-06			79.4	0	0	20.5	27.6	2m depth
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Field Technician:			Checked by:	
	-	(Sub-Agent / S uperviso r)		(RSO)

Name of site:

Ting Kok Road Pumping Station No.5 7-Nov-06

Smapling equipment used:	Dates calibrated
GA 2000	22/08/2006

			Perimeter on-site and/or off-site monitoring holes								
Sample	Date of	Samping	Weather	Balance gas (%)	Flammable gas	Carbon Dioxide	Oxygen (%)	Temp (°C)	Remark		
Location	Measurement		condition		(methane %)	(%)		. '			
Portion 5	7-Nov-06	8:15	Fine	79.2	0	0	20.7	26.1	Ground		
Portion 5	7-Nov-06	8:16	Fine	79.1	0	0	20.8	26.1	3m depth		
Poriton 5	7-Nov-06	8:17	Fine	79.2	0	0	20.7		6m depth		
Portion 4	7-Nov-06	8:18	Fine	79.2	0	0	20.7	26.1	5m depth		
Portion 4	7-Nov-06	8:19	Fine	79.3	0	0	20.6	26.1	10m depth		
Portion 7	7-Nov-06	8:20	Fine	79.3	0	0	20.6	26.1	4m depth		
Portion 7	7-Nov-06	8:21	Fine	79.3	0	0	20.6	26.1	3m depth		
Portion 7	7-Nov-06	8:22	Fine	79.3	0	0	20.6	26.1	2.5m depth		
Portion 7	7-Nov-06	8:23	Fine	79.2	0	0	20.7	26.1	4m depth		
Portion 7	7-Nov-06	8:24	Fine	79.3	0	0	20.6	.26.1	4m depth		
Portion 7	7-Nov-06	8:25	Fine	79.2	0	0	20.7	26.1	2m depth		
Portion 6	7-Nov-06	8:26	Fine	79.1	0	O	20.8	26.1	2m depth		
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Field Technician:	12	Checked by:	Xno
	(S ub-Agent / Supervisor)		(RSD)

Name of site:

Ting Kok Road Pumping Station No.5 7-Nov-06

Dates calibrate
22/08/2006

					Perimeter or	-site and/or off-site	e monitoring holes		
Sample	Date of	Samping	Weather	Balance gas (%)	Flammable gas	Carbon Dioxide	Oxygen (%)	Temp (°C)	Remark
Location	and the second s	Time	condition		(methane %)	(%)			
Portion 5	7-Nov-06	12:10	Fine	79.3	0	0	20.6		Ground
Portion 5	7-Nov-06	12:11	Fine	79.3	0	0	20.6		3m depth
Poriton 5	7-Nov-06	12:12	Fine	79.4	0	0	20.5		6m depth
Portion 4	7-Nov-06	12:13	Fine	79.5	0	0	20.4		5m depth
Portion 4	7-Nov-06	12:14	Fine	79.5	0	0	20.4		10m depth
Portion 7	7-Nov-06	12:15	Fine	79.4	0	0	20.5		4m depth
Portion 7	7-Nov-06	12:16	Fine	79.4	0	0	20.5		3m depth
Portion 7	7-Nov-06	12:17	Fine	79.4	0	0	20.5		2.5m depth
Portion 7	7-Nov-06		Fine	79.4	0	0	20.5	27.6	4m depth
Portion 7	7-Nov-06			79.5	0	0	20.4	27.6	4m depth
Portion 7	7-Nov-06	12:20	Fine	79.5	0	0	20.4		2m depth
Portion 6	7-Nov-06		Fine	79.4	0	0	20.5	27.6	2m depth
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					Maro
Field Technician:	 		Ch	necked by:	VVV
	(Sub-Agent AS	upervis or)			(RSO)

Name of site:

Ting Kok Road Pumping Station No.5 8-Nov-06

Smapling equipment used:	Dates calibrated
04.0000	22/09/2006
GA 2000	22/08/2006

					Perimeter or	-site and/or off-site	e monitoring holes		
_		0	Weather	Balance gas (%)	Flammable gas	Carbon Dioxide	Oxygen (%)	Temp (°C)	Remark
Sample	1 .	Samping			(mothers 0/)	(0/)			
Location		Time	condition	70.4	(methane %)	(%) 0	20.5	27.1	Ground
Portion 5	8-Nov-06		Fine	79.4	0		20.7		3m depth
Portion 5	8-Nov-06		Fine	79.2	0	0			6m depth
Poriton 5	8-Nov-06		Fine	79.4	0		20.5		
Portion 4	8-Nov-06		Fine	79.5			20.4	The second secon	5m depth
Portion 4	8-Nov-06		Fine	79.4			20.5		10m depth
Portion 7	8-Nov-06		Fine	79.4	0	0	20.5		4m depth
Portion 7	8-Nov-06		Fine	79.4		0	20.5		3m depth
Portion 7	8-Nov-06	8:22	Fine	79.3		0	20.6		2.5m depth
Portion 7	8-Nov-06	8:23	Fine	79.4		0	20.5		4m depth
Portion 7	8-Nov-06	8:24	Fine	79.5	0	0	20.4		4m depth
Portion 7	8-Nov-06	8:25	Fine	79.5	0	0	20.4		2m depth
Portion 6	8-Nov-06	8:26	Fine	79.4	0	0	20.5	27.1	2m depth
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Field Technician:		Checked by:	Ollo
	(Sub Agent /_Superviser)		(R\$O)

Name of site:

Ting Kok Road Pumping Station No.5 8-Nov-06

Smapling equipment used:	Dates calibrate
GA 2000	22/08/2006

					Perimeter or	n-site and/or off-site	e monitoring holes	le <u>i</u>	<u> </u>
Sample	Date of	Samping	Weather	Balance gas (%)	Flammable gas	Carbon Dioxide	Oxygen (%)	Temp (°C)	Remark
_ocation	Measurement	Time	condition		(methane %)	(%)			
Portion 5	8-Nov-06	12:10	Fine	79.3	0	0	20.6	27.6	Ground
Portion 5	8-Nov-06	12:11	Fine	79.3	. 0	0	20.6		3m depth
Poriton 5	8-Nov-06	12:12	Fine	79.4	0	0	20.5		6m depth
Portion 4	8-Nov-06	12:13	Fine	79.5	0	0	20.4		5m depth
Portion 4	8-Nov-06	12:14	Fine	79.5	0	.0	20.4		10m depth
Portion 7	8-Nov-06	12:15	Fine	79.4	0	0	20.5		4m depth
Portion 7	8-Nov-06	12:16	Fine	79.4	0	0	20.5		3m depth
Portion 7	8-Nov-06	12:17	Fine	79.4	0	0	20.5		2.5m depth
Portion 7	8-Nov-06	12:18	Fine	79.4	0	0	20.5		4m depth
Portion 7	8-Nov-06	12:19	Fine	79.5	0	0	20.4		4m depth
Portion 7	8-Nov-06	12:20	Fine	79.5	0	0	20.4	27.6	2m depth
Portion 6	8-Nov-06	12:21	Fine	79.4	0	0	20.5	27.6	2m depth
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Field Technician:		Checked by:	Sho
	(Sub-Agent / Supervisor)	· .	(RSQ)

Name of site:

Ting Kok Road Pumping Station No.5 9-Nov-06

Smapling equipment used:	Dates calibrated
GA 2000	22/08/2006

			Perimeter on-site and/or off-site monitoring holes						
Sample	Date of	Samping	Weather	Balance gas (%)	Flammable gas	Carbon Dioxide	Oxygen (%)	Temp (°C)	Remark
Location	Measurement	Time	condition		(methane %)	(%)			
Portion 5	9-Nov-06		Fine	79.2	0	0	20.7	26.3	Ground
Portion 5	9-Nov-06		Fine	79.1	0	0	20.8	26.3	3m depth
Poriton 5	9-Nov-06		Fine	79.3	0	0	20.6		6m depth
Portion 4	9-Nov-06	8:18	Fine	79.3	0	0	20.6	26.3	5m depth
Portion 4	9-Nov-06	8:19	Fine	79.2	0	0	20.7		10m depth
Portion 7	9-Nov-06		Fine	79.2	0	0	20.7		4m depth
Portion 7	9-Nov-06	8:21	Fine	79.3	0	0	20.6		3m depth
Portion 7	9-Nov-06	8:22	Fine	79.3	0	0	20.6		2.5m depth
Portion 7	9-Nov-06	8:23	Fine	79.2	0	0	20.7		4m depth
Portion 7	9-Nov-06	8:24	Fine	79.3	0	0	20.6		4m depth
Portion 7	9-Nov-06	8:25	Fine	79.2	0	0	20.7		2m depth
Portion 6	9-Nov-06	8:26	Fine	79.3	0	0	20.6		2m depth
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Field Technician:	4.	Checked by:	M
	(Sub-Agent / Supervisor)		(R30)

Name of site:

Ting Kok Road Pumping Station No.5 9-Nov-06

Smapling equipment used:	Dates calibrated
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GA 2000	22/08/2006

	T				Perimeter or	-site and/or off-site	e monitoring holes		
Sample	Date of	Samping	Weather	Balance gas (%)	Flammable gas	Carbon Dioxide	Oxygen (%)	Temp (°C)	Remark
Location	Measurement	Time	condition		(methane %)	(%)			
Portion 5	9-Nov-06	12:21	Fine	79.2	0	0	20.7		Ground
Portion 5	9-Nov-06	12:22	Fine	79.3	0	0	20.6		3m depth
Poriton 5	9-Nov-06	12:23	Fine	79.3	0	0	20.6		6m depth
Portion 4	9-Nov-06	12:24	Fine	79.4	0	0	20.5		5m depth
Portion 4	9-Nov-06	12:25	Fine	79.3	. 0	0	20.6	27.6	10m depth
Portion 7	9-Nov-06	12:26	Fine	79.4	0	0	20.5	27.6	4m depth
Portion 7	9-Nov-06	12:27	Fine	79.4	0	0	20.5	27.6	3m depth
Portion 7	9-Nov-06	12:28	Fine	79.4	0	0	20.5	27.6	2.5m depth
Portion 7	9-Nov-06	12:29	Fine	79.4	0	0	20.5	27.6	4m depth
Portion 7	9-Nov-06	12:30	Fine	79.3	0	0	20.6	27.6	4m depth
Portion 7	9-Nov-06	12:31	Fine	79.3	0	0	20.6	27.6	2m depth
Portion 6	9-Nov-06	12:32	Fine	79.4	0	0	20.5	27.6	2m depth
								 	
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Field Technician:	4	*		Checked by:	Mrs	
		(Sub-Agent /	Supervisor)		(R\$O)	

Name of site:

Ting Kok Road Pumping Station No.5 10-Nov-06

Smapling equipment used:	Dates calibrated
GA 2000	22/08/2006
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Perimeter on-site and/or off-site monitoring holes							e monitoring holes		
Sample		Samping	Weather	Balance gas (%)	Flammable gas	Carbon Dioxide	Oxygen (%)	Temp (°C)	Remark
Location	Measurement		condition		(methane %)	(%)			
Portion 5	10-Nov-06	8:15	Fine	79.3	0	0	20.6	24.6	Ground
Portion 5	10-Nov-06	8:16	Fine	79.2	0	0	20.7	24.6	3m depth
Poriton 5	10-Nov-06	8:17	Fine	79.1	.0	0	20.8	24.6	6m depth
Portion 4	10-Nov-06	8:18	Fine	79.1	0	0	20.8	24.6	5m depth
Portion 4	10-Nov-06	8:19	Fine	79.2	0	0	20.7	24.6	10m depth
Portion 7	10-Nov-06	8:20	Fine	79.1	0	0	20.8	24.6	4m depth
Portion 7	10-Nov-06	8:21	Fine	79.3	0	0	20.6	24.6	3m depth
Portion 7	10-Nov-06	8:22	Fine	79.3	0	0	20.6	24.6	2.5m depth
Portion 7	10-Nov-06	8:23	Fine	79.2	0	0	20.7	24.6	4m depth
Portion 7	10-Nov-06	8:24	Fine	79.1	0	0	20.8	24.6	4m depth
Portion 7	10-Nov-06	8:25	Fine	79.2	0	0	20.7	24.6	2m depth
Portion 6	10-Nov-06	8:26	Fine	79.3	0	0	20.6		2m depth
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Field Technician:	1	Checked by:	a Xuo
	(Sub-Agent / Supervisor)		(RSD)

Name of site:

Ting Kok Road Pumping Station No.5 10-Nov-06

Smapling equipment used:	Dates calibrated
GA 2000	22/08/2006

			Perimeter on-site and/or off-site monitoring holes						
Sample	Date of	Samping	Weather	Balance gas (%)	Flammable gas	Carbon Dioxide	Oxygen (%)	Temp (°C)	Remark
_ocation	Measurement	Time	condition		(methane %)	(%)			
Portion 5	10-Nov-06	12:21	Fine	79.3	0	0	20.6	27.6	Ground
Portion 5	10-Nov-06	12:22	Fine	79.3	0	0	20.6	27.6	3m depth
Poriton 5	10-Nov-06	12:23	Fine	79.3	0	0	20.6		6m depth
Portion 4	10-Nov-06	12:24	Fine	79.2	0	0	20.7	27.6	5m depth
Portion 4	10-Nov-06	12:25	Fine	79.3	0	0	20.6	27.6	10m depth
Portion 7	10-Nov-06	12:26	Fine	79.4	. 0	0	20.5	27.6	4m depth
Portion 7	10-Nov-06	12:27	Fine	79.3	0	0	20.6	27.6	3m depth
Portion 7	10-Nov-06	12:28	Fine	79.3	0	0	20.6	27.6	2.5m depth
Portion 7	10-Nov-06	12:29	Fine	79.2	0	0	20.7	27.6	4m depth
Portion 7	10-Nov-06	12:30	Fine	79.3	0	0	20.6	27.6	4m depth
Portion 7	10-Nov-06	12:31	Fine	79.3	0	0	20.6	27.6	2m depth
Portion 6	10-Nov-06	12:32	Fine	79.4	0	0	20.5	27.6	2m depth
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Field Technician:		Checked by:	Mu
	(Syb-Agent / Supervisor)		(RBO)

Name of site:

Ting Kok Road Pumping Station No.5 11-Nov-06

Smapling equipment used:	Dates calibrate
GA 2000	22/08/2006

					Perimeter or	n-site and/or off-site	e monitoring holes		
Sample	Date of	Samping	Weather	Balance gas (%)	Flammable gas	Carbon Dioxide	Oxygen (%)	Temp (°C)	Remark
_ocation	Measurement	Time	condition		(methane %)	(%)			
Portion 5	11-Nov-06	8:15	Fine	79.3	0		20.6		Ground
Portion 5	11-Nov-06	8:16	Fine	79.2	0		20.7		3m depth
oriton 5	11-Nov-06	8:17	Fine	79.1	0	0	20.8		6m depth
Portion 4	11-Nov-06	8:18	Fine	79.2	0	0	20.7		5m depth
Portion 4	11-Nov-06	8:19	Fine	79.2	0	0	20.7		10m depth
Portion 7	11-Nov-06	8:20	Fine	79.1	0	0	20.8		4m depth
Portion 7	11-Nov-06	8:21	Fine	79.1	0	0	20.8		3m depth
Portion 7	11-Nov-06	8:22	Fine	79.3	0	0	20.6		2.5m depth
Portion 7	11-Nov-06	8:23	Fine	79.2	0	0	20.7		4m depth
Portion 7	11-Nov-06	8:24	Fine	79.1	0	0	20.8		4m depth
Portion 7	11-Nov-06	8:25	Fine	79.2	0	0	20.7		2m depth
Portion 6	11-Nov-06	8:26	Fine	79.4	0	0	20.5	24.1	2m depth
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Field Technician:	4	Checked by:	(Sun	
	~(Sub-Agent / Supervisor)		(R\$O)	

Name of site:

Ting Kok Road Pumping Station No.5 11-Nov-06

Smapling equipment used:	Dates calibrated
GA 2000	22/08/2006
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,			Perimeter on-site and/or off-site monitoring holes							
Sample	Date of	Samping	Weather	Balance gas (%)	Flammable gas	Carbon Dioxide	Oxygen (%)	Temp (°C)	Remark	
_ocation	Measurement		condition		(methane %)	(%)				
Portion 5	11-Nov-06	12:21	Fine	79.3	0	0	20.6	27.6	Ground	
Portion 5	11-Nov-06	12:22	Fine	79.1	0	0	20.8		3m depth	
Poriton 5	11-Nov-06	12:23	Fine	79.2	0	0	20.7	27.6	6m depth	
Portion 4	11-Nov-06	12:24	Fine	79.1	0	0	20.8	27.6	5m depth	
Portion 4	11-Nov-06	12:25	Fine	79.3	0	0	20.6	27.6	10m depth	
Portion 7	11-Nov-06	12:26	Fine	79.1	0	0	20.8	27.6	4m depth	
Portion 7	11-Nov-06	12:27	Fine	79.1	0	0	20.8	27.6	3m depth	
Portion 7	11-Nov-06	12:28	Fine	79.2	0	0	20.7	27.6	2.5m depth	
Portion 7	11-Nov-06	12:29	Fine	79.2	0	0	20.7	27.6	4m depth	
Portion 7	11-Nov-06	12:30	Fine	79.1	0	0	20.8	27.6	4m depth	
Portion 7	11-Nov-06	12:31	Fine	79.2	0	0	20.7	27.6	2m depth	
Portion 6	11-Nov-06	12:32	Fine	79.3	0	0	20.6	27.6	2m depth	
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Field Technician:	4	Checked by:	Mo
	(Sub-Agent + Supervisor)		(R \$ O)

Name of site:

Ting Kok Road Pumping Station No.5 12-Nov-06

Smapling equipment used:	Dates calibrate
GA 2000	22/08/2006

					Perimeter or	n-site and/or off-site	e monitoring holes		
Sample	Date of	Samping	Weather	Balance gas (%)	Flammable gas	Carbon Dioxide	Oxygen (%)	Temp (°C)	Remark
_ocation	Measurement	Time	condition		(methane %)	(%)		·	
Portion 5	12-Nov-06	8:15	Fine	79.3	0	0	20.6		Ground
Portion 5	12-Nov-06	8:16	Fine	79.1	0	0	20.8		3m depth
Poriton 5	12-Nov-06	8:17	Fine	79.1	0	0	20.8		6m depth
Portion 4	12-Nov-06	8:18	Fine	79.2	0	0	20.7		5m depth
Portion 4	12-Nov-06	8:19	Fine	79.2	0	0	20.7		10m depth
Portion 7	12-Nov-06	8:20	Fine	79.1	0	0	20.8		4m depth
Portion 7	12-Nov-06	8:21	Fine	79.1	0	0	20.8		3m depth
Portion 7	12-Nov-06	8:22	Fine	79.4	0	0	20.5		2.5m depth
Portion 7	12-Nov-06	8:23	Fine	79.2	0	0	20.7		4m depth
Portion 7	12-Nov-06	8:24	Fine	79.1	0	0	20.8		4m depth
Portion 7	12-Nov-06	8:25	Fine	79.2	0	0	20.7		2m depth
Portion 6	12-Nov-06	8:26	Fine	79.3	0	0	20.6	24.3	2m depth
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Field Technician:	Jon's	Checked by:	Sano
	(Sub-Agent / Supervisor)		(RSD)

Name of site:

Ting Kok Road Pumping Station No.5 12-Nov-06

Smapling equipment used:	Dates calibrated
GA 2000	22/08/2006
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				Perimeter on-site and/or off-site monitoring holes						
Sample	Date of	Samping	Weather	Balance gas (%)	Flammable gas	Carbon Dioxide	Oxygen (%)	Temp (°C)	Remark	
ocation	Measurement	Time	condition		(methane %)	(%)				
Portion 5	12-Nov-06	12:21	Fine	79.2	0	0	20.7	27.8	Ground	
Portion 5	12-Nov-06	12:22	Fine	79.1	0	0	20.8		3m depth	
Poriton 5	12-Nov-06	12:23	Fine	79.2	0	0	20.7		6m depth	
Portion 4	12-Nov-06	12:24	Fine	79.2	0	0	20.7	27.8	5m depth	
Portion 4	12-Nov-06	12:25	Fine	79.3	0	0	20.6	27.8	10m depth	
Portion 7	12-Nov-06	12:26	Fine	79.1	0	0	20.8		4m depth	
Portion 7	12-Nov-06	12:27	Fine	79.1	0	0	20.8	27.8	3m depth	
Portion 7	12-Nov-06	12:28	Fine	79.2	0	0	20.7	27.8	2.5m depth	
Portion 7	12-Nov-06	12:29	Fine	79.3	0	0	20.6	27.8	4m depth	
Portion 7	12-Nov-06	12:30	Fine	79.1	0	0	20.8	27.8	4m depth	
Portion 7	12-Nov-06	12:31	Fine	79.2	0	0	20.7	27.8	2m depth	
Portion 6	12-Nov-06	12:32	Fine	79.1	0	0	20.8	27.8	2m depth	
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Field Technician:		-fai	Checked by:	Oro	
	10 a 1	(Sub Agent / Supervisor)		(RBO)	

Name of site:

Ting Kok Road Pumping Station No.5 13-Nov-06

Smapling equipment used:	Dates calibrate
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GA 2000	22/08/2006

					Perimeter or	n-site and/or off-site	e monitoring holes			
Sample	Date of	Samping	Weather	Balance gas (%)	Flammable gas	Carbon Dioxide	Oxygen (%)	Temp (°C)	Remark	
₋ocation	Measurement	Time	condition		(methane %)	(%)				
Portion 5	13-Nov-06	8:15	Fine	79.3	0	0	20.6		Ground	
Portion 5	13-Nov-06	8:16	Fine	79.3	0	0	20.6		3m depth	
Poriton 5	13-Nov-06	8:17	Fine	79.3	0	0	20.6		6m depth	
Portion 4	13-Nov-06	8:18	Fine	79.2	0	0	20.7		5m depth	
Portion 4	13-Nov-06	8:19	Fine	79.2	0	0	20.7		10m depth	
Portion 7	13-Nov-06	8:20	Fine	79.2	0	0	20.7		4m depth	
Portion 7	13-Nov-06	8:21	Fine	79.3	0	0	20.6		3m depth	
Portion 7	13-Nov-06	8:22	Fine	79.2	0	0	20.7		2.5m depth	
Portion 7	13-Nov-06	8:23	Fine	79.2	0	0	20.7		4m depth	
Portion 7	13-Nov-06	8:24	Fine	79.1	0	0	20.8	23.6	4m depth	
Portion 7	13-Nov-06		Fine	79.2	0	0	20.7	23.6	2m depth	
Portion 6	13-Nov-06		Fine	79.3	0	0	20.6	23.6	2m depth	
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Field Technician:		Mar	Checked by:	Sw	7
	(\$	ub-Agent / Supervisor)		(R'\$ O)	

Ting Kok Road Pumping Station No.5 13-Nov-06

Name of site:
Date of Measurement:

Γ	Smapling equipment used:	Dates calibrated
Γ		
Γ	GA 2000	22/08/2006
Γ		

			Perimeter on-site and/or off-site monitoring holes						
Sample	Date of	Samping	Weather	Balance gas (%)	Flammable gas	Carbon Dioxide	Oxygen (%)	Temp (°C)	Remark
Location	Measurement	Time	condition		(methane %)	(%)			
Portion 5	13-Nov-06	12:21	Fine	79.2	0	0	20.7	26.5	Ground
Portion 5	13-Nov-06	12:22	Fine	79.3	0	0	20.6	26.5	3m depth
Poriton 5	13-Nov-06	12:23	Fine	79.2	0	0	20.7	26.5	6m depth
Portion 4	13-Nov-06	12:24	Fine	79.2	0	0	20.7	26.5	5m depth
Portion 4	13-Nov-06	12:25	Fine	79.3	0	0	20.6	26.5	10m depth
Portion 7	13-Nov-06	12:26	Fine	79.2	-0	0	20.7	26.5	4m depth
Portion 7	13-Nov-06	12:27	Fine	79.1	0	0	20.8	26.5	3m depth
Portion 7	13-Nov-06	12:28	Fine	79.2	0	0	20.7	26.5	2.5m depth
Portion 7	13-Nov-06	12:29	Fine	79.3	0	0	20.6	26.5	4m depth
Portion 7	13-Nov-06	12:30	Fine	79.1	0	0	20.8	26.5	4m depth
Portion 7	13-Nov-06	12:31	Fine	79.2	0	0	20.7	26.5	2m depth
Portion 6	13-Nov-06	12:32	Fine	79.1	0	0	20.8	26.5	2m depth
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Field Technician:	15	Checked by:	Ano
	(Sub-Agent / Supervisor)		(RSQ)

Name of site:

Ting Kok Road Pumping Station No.5 14-Nov-06

Smapling equipment used:	Dates calibrated
GA 2000	22/08/2006

			Perimeter on-site and/or off-site monitoring holes							
Sample	Date of	Samping	Weather	Balance gas (%)	Flammable gas	Carbon Dioxide	Oxygen (%)	Temp (°C)	Remark	
Location	Measurement	Time	condition		(methane %)	(%)		:		
Portion 5	14-Nov-06	8:15	Fine	79.2	0	0	20.7	23.8	Ground	
Portion 5	14-Nov-06	8:16	Fine	79.3	0	0	20.6		3m depth	
Poriton 5	14-Nov-06	8:17	Fine	79.3	0	0	20.6		6m depth	
Portion 4	14-Nov-06	8:18	Fine	79.2	0	0	20.7	23.8	5m depth	
Portion 4	14-Nov-06	8:19	Fine	79.3	0	0	20.6	23.8	10m depth	
Portion 7	14-Nov-06	8:20	Fine	79.2	0	0	20.7	23.8	4m depth	
Portion 7	14-Nov-06	8:21	Fine	79.1	0	0	20.8	23.8	3m depth	
Portion 7	14-Nov-06	8:22	Fine	79.2	0	0	20.7	23.8	2.5m depth	
Portion 7	14-Nov-06	8:23	Fine	79.2	0	. 0	20.7	23.8	4m depth	
Portion 7	14-Nov-06	8:24	Fine	79.2	0	0	20.7	23.8	4m depth	
Portion 7	14-Nov-06	8:25	Fine	79.2	0	0	20.7	23.8	2m depth	
Portion 6	14-Nov-06	8:26	Fine	79.3	0	0	20.6	23.8	2m depth	
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Field Technician:		1 1	Checked by:	CANO.
	(Sub-Aç	gent / Supervisor)		(RSO)

Name of site:

Ting Kok Road Pumping Station No.5 14-Nov-06

Smapling equipment used:	Dates calibrated
GA 2000	22/08/2006

Perimeter on-site and/or off-site monitoring h					e monitoring holes				
			Weather	Balance gas (%)	Flammable gas	Carbon Dioxide	Oxygen (%)	Temp (°C)	Remark
Sample		Samping			(manthama (V)	(0/)		*	-
Location			condition	70.0	(methane %)	(%)	20.6	25.8	Ground
Portion 5	14-Nov-06			79.3		0	20.6		3m depth
Portion 5	14-Nov-06			79.3			20.8		6m depth
Poriton 5	14-Nov-06			79.1	0				5m depth
Portion 4	14-Nov-06			79.2	0		20.7		
Portion 4	14-Nov-06			79.3			20.6		10m depth
Portion 7	14-Nov-06			79.2	0	0	20.7		4m depth
Portion 7	14-Nov-06			79.3	0	0	20.6		3m depth
Portion 7	14-Nov-06	12:28	Fine	79.2	0	0	20.7		2.5m depth
Portion 7	14-Nov-06	12:29	Fine	79.3	0	0	20.6		4m depth
Portion 7	14-Nov-06	12:30	Fine	79.1	0		20.8		4m depth
Portion 7	14-Nov-06	12:31	Fine	79.2	0				2m depth
Portion 6	14-Nov-06	12:32	Fine	79.1	0	0	20.8	25.8	2m depth
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			P
Field Technician:	An'	Checked by:	Cam
	(Sub-Agent / Supervisor)		(R S O)

Name of site:

Ting Kok Road Pumping Station No.5 15-Nov-06

Smapling equipment used:	Dates calibrated
GA 2000	22/08/2006

			·		Perimeter or	n-site and/or off-site	e monitoring holes		,
Sample		Samping	Weather	Balance gas (%)	Flammable gas	Carbon Dioxide	Oxygen (%)	Temp (°C)	Remark
Location		Time	condition		(methane %)	(%)	·	· · · · · · · · · · · · · · · · · · ·	
Portion 5	15-Nov-06	12:21	Fine	79.2	0	0	20.7		Ground
Portion 5	15-Nov-06	12:22	Fine	79.3	0	0	20.6	23.8	3m depth
Poriton 5	15-Nov-06	12:23	Fine	79.3	0	0	20.6	23.8	6m depth
Portion 4	15-Nov-06	12:24	Fine	79.2	0	0	20.7	23.8	5m depth
Portion 4	15-Nov-06	12:25	Fine	79.3	0	0	20.6	23.8	10m depth
Portion 7	15-Nov-06	12:26	Fine	79.4	0	0	20.5	23.8	4m depth
Portion 7	15-Nov-06	12:27	Fine	79.3	0	0	20.6	23.8	3m depth
Portion 7	15-Nov-06	12:28	Fine	79.2	0	0	20.7	23.8	2.5m depth
Portion 7	15-Nov-06	12:29	Fine	79.3	0	0	20.6	23.8	4m depth
Portion 7	15-Nov-06	12:30	Fine	79.1	0	0	20.8		4m depth
Portion 7	15-Nov-06	12:31	Fine	79.2	0	0	20.7	23.8	2m depth
Portion 6	15-Nov-06	12:32	Fine	79.1	0	0	20.8	23.8	2m depth
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Field Technician:		Checked by:	Sin
	(Sub-Agent / S upervisor)		(RSØ)

Name of site:

Ting Kok Road Pumping Station No.5 15-Nov-06

Smapling equipment used:	Dates calibrate
GA 2000	22/08/2006

		·			Perimeter or	-site and/or off-site	e monitoring holes		
Cample	Date of	Samping	Weather	Balance gas (%)	Flammable gas	Carbon Dioxide	Oxygen (%)	Temp (°C)	Remark
Sample _ocation	Measurement		condition		(methane %)	(%)			
Portion 5	15-Nov-06		Fine	79.2	0	0	20.7		Ground
Portion 5	15-Nov-06		Fine	79.3	0	0	20.6		3m depth
Poriton 5	15-Nov-06		Fine	79.3	0	0	20.6		6m depth
Portion 4	15-Nov-06		Fine	79.2	0	0	20.7		5m depth
Portion 4	15-Nov-06		Fine	79.3	0	0	20.6		10m depth
Portion 7	15-Nov-06		Fine	79.2	0	0	20.7		4m depth
Portion 7	15-Nov-06		Fine	79.2	0	0	20.7		3m depth
Portion 7	15-Nov-06		Fine	79.3	0	0	20.6		2.5m depth
Portion 7	15-Nov-06		Fine	79.2		0	20.7		4m depth
Portion 7	15-Nov-06		Fine	79.2	0	0	20.7		4m depth
Portion 7	15-Nov-06		Fine	79.2		0			2m depth
Portion 6	15-Nov-06		Fine	79.3		0	20.6	22.4	2m depth
									
									
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Field Technician:		A-	Checked by:	Am_
rieid recimician.	4.20	(Sub-Agent / Supervisor)	•	(RSQ)

Name of site:

Ting Kok Road Pumping Station No.5 16-Nov-06

Smapling equipment used:	Dates calibrated
GA 2000	22/08/2006

		Perimeter on-site and/or off-site monitoring holes							
Date of	Samping	Weather	Balance gas (%)	Flammable gas	Carbon Dioxide	Oxygen (%)	Temp (°C)	Remark	
Measurement	Time	condition		(methane %)	(%)				
16-Nov-06	8:15	Fine	79.2	0	0	20.7	23.4	Ground	
16-Nov-06	8:16	Fine	79.2	0	0	20.7	23.4	3m depth	
16-Nov-06	8:17	Fine	79.3	0	0	20.6	23.4	6m depth	
16-Nov-06	8:18	Fine	79.2	0	0	20.7	23.4	5m depth	
16-Nov-06	8:19	Fine	79.1	0	0	20.8	23.4	10m depth	
16-Nov-06	8:20	Fine	79.2	0	0	20.7	23.4	4m depth	
16-Nov-06	8:21	Fine	79.1	0	0	20.8	23.4	3m depth	
16-Nov-06	8:22	Fine	79.2	0	0	20.7	23.4	2.5m depth	
16-Nov-06	8:23	Fine	79.1	0	0	20.8	23.4	4m depth	
16-Nov-06	8:24	Fine	79.1	0	0	20.8	23.4	4m depth	
16-Nov-06	8:25	Fine	79.2	0	0	20.7	23.4	2m depth	
16-Nov-06	8:26	Fine	79.1	0	0	20.8	23.4	2m depth	
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	Measurement 16-Nov-06	Measurement Time 16-Nov-06 8:15 16-Nov-06 8:16 16-Nov-06 8:17 16-Nov-06 8:18 16-Nov-06 8:20 16-Nov-06 8:21 16-Nov-06 8:22 16-Nov-06 8:23 16-Nov-06 8:24 16-Nov-06 8:25	Measurement Time condition 16-Nov-06 8:15 Fine 16-Nov-06 8:16 Fine 16-Nov-06 8:17 Fine 16-Nov-06 8:18 Fine 16-Nov-06 8:20 Fine 16-Nov-06 8:21 Fine 16-Nov-06 8:22 Fine 16-Nov-06 8:23 Fine 16-Nov-06 8:24 Fine 16-Nov-06 8:25 Fine	Measurement Time condition 16-Nov-06 8:15 Fine 79.2 16-Nov-06 8:16 Fine 79.2 16-Nov-06 8:17 Fine 79.3 16-Nov-06 8:18 Fine 79.2 16-Nov-06 8:19 Fine 79.1 16-Nov-06 8:20 Fine 79.2 16-Nov-06 8:21 Fine 79.1 16-Nov-06 8:22 Fine 79.2 16-Nov-06 8:23 Fine 79.1 16-Nov-06 8:23 Fine 79.1 16-Nov-06 8:24 Fine 79.1 16-Nov-06 8:25 Fine 79.2	Date Measurement Samping Time Weather condition Balance gas (%) Flammable gas (methane %) 16-Nov-06 8:15 Fine 79.2 0 16-Nov-06 8:16 Fine 79.2 0 16-Nov-06 8:17 Fine 79.3 0 16-Nov-06 8:18 Fine 79.2 0 16-Nov-06 8:19 Fine 79.1 0 16-Nov-06 8:20 Fine 79.2 0 16-Nov-06 8:21 Fine 79.1 0 16-Nov-06 8:22 Fine 79.2 0 16-Nov-06 8:23 Fine 79.1 0 16-Nov-06 8:23 Fine 79.1 0 16-Nov-06 8:24 Fine 79.1 0 16-Nov-06 8:25 Fine 79.1 0	Date Measurement Samping Time Weather condition Balance gas (%) Flammable gas (methane %) Carbon Dioxide (%) 16-Nov-06 8:15 Fine 79.2 0 0 16-Nov-06 8:16 Fine 79.2 0 0 16-Nov-06 8:17 Fine 79.3 0 0 16-Nov-06 8:18 Fine 79.2 0 0 16-Nov-06 8:19 Fine 79.1 0 0 16-Nov-06 8:20 Fine 79.2 0 0 16-Nov-06 8:21 Fine 79.1 0 0 16-Nov-06 8:22 Fine 79.2 0 0 16-Nov-06 8:23 Fine 79.1 0 0 16-Nov-06 8:24 Fine 79.1 0 0 16-Nov-06 8:25 Fine 79.1 0 0 16-Nov-06 8:25 Fine 79.1 0 0	Date Measurement Samping Time Weather condition Balance gas (%) (methane %) Flammable gas (%) Carbon Dioxide (%) Oxygen (%) 16-Nov-06 8:15 Fine 79.2 0 0 20.7 16-Nov-06 8:16 Fine 79.2 0 0 20.7 16-Nov-06 8:17 Fine 79.3 0 0 20.6 16-Nov-06 8:18 Fine 79.2 0 0 20.7 16-Nov-06 8:19 Fine 79.1 0 0 20.8 16-Nov-06 8:20 Fine 79.2 0 0 20.7 16-Nov-06 8:21 Fine 79.1 0 0 20.7 16-Nov-06 8:21 Fine 79.2 0 0 20.8 16-Nov-06 8:23 Fine 79.1 0 0 20.7 16-Nov-06 8:23 Fine 79.1 0 0 20.8 16-Nov-06 8:24 Fine 79.1 0 0 20.8 16-Nov-06 8:25 Fine 79	Date Measurement Samping Time Weather condition Balance gas (%) Flammable gas (methane %) Carbon Dioxide (%) Oxygen (%) Temp (°C) 16-Nov-06 8:15 Fine 79.2 0 0 20.7 23.4 16-Nov-06 8:16 Fine 79.2 0 0 20.7 23.4 16-Nov-06 8:17 Fine 79.3 0 0 20.6 23.4 16-Nov-06 8:18 Fine 79.2 0 0 20.7 23.4 16-Nov-06 8:19 Fine 79.1 0 0 20.7 23.4 16-Nov-06 8:20 Fine 79.2 0 0 20.7 23.4 16-Nov-06 8:21 Fine 79.1 0 0 20.7 23.4 16-Nov-06 8:22 Fine 79.2 0 0 20.7 23.4 16-Nov-06 8:23 Fine 79.1 0 0 20.8 23.4	

Field Technician:		Checked by:	- XM
	(Sub-Agent / Supervisor)		(R\$O)

Name of site:

Ting Kok Road Pumping Station No.5 16-Nov-06

Smapling equipment used:	Dates calibrated
GA 2000	22/08/2006

			Perimeter on-site and/or off-site monitoring holes								
Sample	Date of	Samping	Weather	Balance gas (%)	Flammable gas	Carbon Dioxide	Oxygen (%)	Temp (°C)	Remark		
Location	Measurement	Time	condition		(methane %)	(%)					
Portion 5	16-Nov-06	12:21	Fine	79.3	0	0	20.6	24.6	Ground		
Portion 5	16-Nov-06	12:22	Fine	79.2	0	0	20.7	24.6	3m depth		
Poriton 5	16-Nov-06	12:23	Fine	79.2	0	0	20.7		6m depth		
Portion 4	16-Nov-06	12:24	Fine	79.2	0	0	20.7	24.6	5m depth		
Portion 4	16-Nov-06	12:25	Fine	79.3	0	0	20.6	24.6	10m depth		
Portion 7	16-Nov-06	12:26	Fine	79.1	0	0	20.8	24.6	4m depth		
Portion 7	16-Nov-06	12:27	Fine	79.3	0	0	20.6	24.6	3m depth		
Portion 7	16-Nov-06	12:28	Fine	79.2	0	0	20.7	24.6	2.5m depth		
Portion 7	16-Nov-06	12:29	Fine	79.2	0	0	20.7	24.6	4m depth		
Portion 7	16-Nov-06	12:30	Fine	79.1	0	0	20.8	24.6	4m depth		
Portion 7	16-Nov-06	12:31	Fine	79.2	0	0	20.7	24.6	2m depth		
Portion 6	16-Nov-06	12:32	Fine	79.1	0	0	20.8	24.6	2m depth		
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Field Technician:		Checked by:	dia
	(Sub-Agent / Supervisor)		(RSD)

Name of site:

Ting Kok Road Pumping Station No.5 17-Nov-06

Smapling equipment used:	Dates calibrated
GA 2000	22/08/2006

						n-site and/or off-site	e monitoring holes		
Sample		Samping	Weather	Balance gas (%)	Flammable gas	Carbon Dioxide	Oxygen (%)	Temp (°C)	Remark
Location	Measurement		condition		(methane %)	(%)			
Portion 5	17-Nov-06		Fine	79.3	0	0	20.6	22.8	Ground
Portion 5	17-Nov-06		Fine	79.1	0	0	20.8		3m depth
Poriton 5	17-Nov-06		Fine	79.1	. 0	0	20.8		6m depth
Portion 4	17-Nov-06		Fine	79.2	0	0	20.7		5m depth
Portion 4	17-Nov-06		Fine	79.2	0	0	20.7		10m depth
Portion 7	17-Nov-06		Fine	79.2	0	0	20.7		4m depth
Portion 7	17-Nov-06		Fine	79.1	0	0	20.8		3m depth
Portion 7	17-Nov-06		Fine	79.2	0	0	20.7		2.5m depth
Portion 7	17-Nov-06		Fine	79.2	0	0	20.7		4m depth
Portion 7	17-Nov-06		Fine	79.2	0	0	20.7		4m depth
Portion 7	17-Nov-06		Fine	79.2	0	0	20.7		2m depth
Portion 6	17-Nov-06	8:26	Fine	79.1	0	0	20.8		2m depth
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Field Technician:			Checked by:	Xus
	(Sub-Agent / Superv	risor)		(RSO)

Name of site:

Ting Kok Road Pumping Station No.5 17-Nov-06

Smapling equipment used:	Dates calibrated
GA 2000	22/08/2006

		1	Perimeter on-site and/or off-site monitoring holes							
Sample	Date of	Samping	Weather	Balance gas (%)	Flammable gas	Carbon Dioxide	Oxygen (%)	Temp (°C)	Remark	
Location	Measurement	Time	condition		(methane %)	(%)				
Portion 5	17-Nov-06	12:21	Fine	79.2	0	0	20.7		Ground	
Portion 5	17-Nov-06	12:22	Fine	79.1	0	0	20.8		3m depth	
Poriton 5	17-Nov-06	12:23	Fine	79.2	0	0	20.7		6m depth	
Portion 4	17-Nov-06	12:24	Fine	79.3	0	0	20.6		5m depth	
Portion 4	17-Nov-06	12:25	Fine	79.1	0	0	20.8	24.9	10m depth	
Portion 7	17-Nov-06	12:26	Fine	79.1	0	0	20.8		4m depth	
Portion 7	17-Nov-06	12:27	Fine	79.3	0	0	20.6	24.9	3m depth	
Portion 7	17-Nov-06	12:28	Fine	79.2	0	0	20.7	24.9	2.5m depth	
Portion 7	17-Nov-06	12:29	Fine	79.1	0	0	20.8	24.9	4m depth	
Portion 7	17-Nov-06	12:30	Fine	79.1	0	0	20.8	24.9	4m depth	
Portion 7	17-Nov-06	12:31	Fine	79.2	0	0	20.7	24.9	2m depth	
Portion 6	17-Nov-06	12:32	Fine	79.3	0	0	20.6	24.9	2m depth	
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Field Technician:	X /		Checked by:	av	U
	(Sub-A	gent / Supervisor)		(R\$0)

Name of site:

Ting Kok Road Pumping Station No.5 18-Nov-06

Smapling equipment used:	Dates calibrated
GA 2000	22/08/2006

			Perimeter on-site and/or off-site monitoring holes							
Sample	Date of	Samping	Weather	Balance gas (%)	Flammable gas	Carbon Dioxide	Oxygen (%)	Temp (°C)	Remark	
ocation	Measurement	Time	condition		(methane %)	(%)				
Portion 5	18-Nov-06	8:15	Fine	79.2	0	0	20.7	23.1	Ground	
Portion 5	18-Nov-06	8:16	Fine	79.2	0	0	20.7	23.1	3m depth	
Poriton 5	18-Nov-06	8:17	Fine	79.2	0	0	20.7	23.1	6m depth	
Portion 4	18-Nov-06		Fine	79.3	0	0	20.6	23.1	5m depth	
Portion 4	18-Nov-06		Fine	79.1	0	0	20.8	23.1	10m depth	
Portion 7	18-Nov-06	8:20	Fine	79.1	0	0	20.8	23.1	4m depth	
Portion 7	18-Nov-06	8:21	Fine	79.1	0	0	20.8	23.1	3m depth	
Portion 7	18-Nov-06	8:22	Fine	79.2	0	0	20.7	23.1	2.5m depth	
Portion 7	18-Nov-06	8:23	Fine	79.2	0	0	20.7		4m depth	
Portion 7	18-Nov-06	8:24	Fine	79.2	0	0	20.7	23.1	4m depth	
Portion 7	18-Nov-06	8:25	Fine	79.2	0	0	20.7	23.1	2m depth	
Portion 6	18-Nov-06	8:26	Fine	79.2	0	. 0	20.7		2m depth	
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Field Technician:	st.		Checked by:	Aus
	(Sub-Algen	t / Supervisor)		(R\$O)

Name of site:

Ting Kok Road Pumping Station No.5 18-Nov-06

Smapling equipment used:	Dates calibrated
GA 2000	22/08/2006

					Perimeter or	n-site and/or off-site	e monitoring holes		
Sample	Date of	Samping	Weather	Balance gas (%)	Flammable gas	1	Oxygen (%)	Temp (°C)	Remark
ocation.	Measurement	Time	condition		(methane %)	(%)		· · · · · · · · · · · · · · · · · · ·	
Portion 5	18-Nov-06	12:21	Fine	79.3	0	0	20.6		Ground
Portion 5	18-Nov-06	12:22	Fine	79.2	0	0	20.7		3m depth
Poriton 5	18-Nov-06	12:23	Fine	79.2	0	0	20.7		6m depth
Portion 4	18-Nov-06	12:24	Fine	79.2	0	0	20.7		5m depth
Portion 4	18-Nov-06	12:25	Fine	79.1	0	0	20.8	23.9	10m depth
Portion 7	18-Nov-06	12:26	Fine	79.1	0	0	20.8		4m depth
Portion 7	18-Nov-06		Fine	79.1	0	0	20.8	23.9	3m depth
Portion 7	18-Nov-06		Fine	79.2	0	0	20.7	23.9	2.5m depth
Portion 7	18-Nov-06			79.3	0	0	20.6	23.9	4m depth
Portion 7	18-Nov-06		Fine	79.1	0	0	20.8	23.9	4m depth
Portion 7	18-Nov-06		Fine	79.2	0	0	20.7	23.9	2m depth
Portion 6	18-Nov-06	12:32	Fine	79.2	0	0	20.7	23.9	2m depth
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Field Technician:	X 	Checked by:	Xno
	(Sub-Agent / Supervisor)		(R\$O)

Ting Kok Road Pumping Station No.5 20-Nov-06

Name of site:
Date of Measurement:

Smapling equipment used:	Dates calibrated		
GA 2000	22/08/2006		

				Perimeter on-site and/or off-site monitoring holes					
Sample	Date of	Samping	Weather	Balance gas (%)	Flammable gas	Carbon Dioxide	Oxygen (%)	Temp (°C)	Remark
Location		Time	condition		(methane %)	(%)			
Portion 5	20-Nov-06	8:15	Fine	79.1	0	0	20.8	22.6	Ground
Portion 5	20-Nov-06	8:16	Fine	79.1	0	0	20.8	22.6	3m depth
Poriton 5	20-Nov-06	8:17	Fine	79.3	0	0	20.6		6m depth
Portion 4	20-Nov-06	8:18	Fine	79.3	0	0	20.6		5m depth
Portion 4	20-Nov-06	8:19	Fine	79.2	0	0	20.7	22.6	10m depth
Portion 7	20-Nov-06	8:20	Fine	79.2	0	0	20.7		4m depth
Portion 7	20-Nov-06	8:21	Fine	79.1	0	0	20.8		3m depth
Portion 7	20-Nov-06	8:22	Fine	79.2	0	0	20.7	22.6	2.5m depth
Portion 7	20-Nov-06	8:23	Fine	79.2	0	0	20.7	22.6	4m depth
Portion 7	20-Nov-06	8:24	Fine	79.1	0	0	20.8	22.6	4m depth
Portion 7	20-Nov-06	8:25	Fine	79.2	0	0	20.7		2m depth
Portion 6	20-Nov-06	8:26	Fine	79.2	0	0	20.7	22.6	2m depth
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Field Technician:	A	Checked by:	~~~~~
	(Sub-Agent / Supervisor)		(R\$O)

Name of site:

Ting Kok Road Pumping Station No.5 20-Nov-06

2/08/2006

				Perimeter on-site and/or off-site monitoring holes					
Sample	Date of	Samping	Weather	Balance gas (%)	Flammable gas	Carbon Dioxide	Oxygen (%)	Temp (°C)	Remark
ocation		Time	condition		(methane %)	(%)			
Portion 5	20-Nov-06	12:21	Fine	79.2	0	0	20.7		Ground
ortion 5	20-Nov-06	12:22	Fine	79.1	0	0	20.8		3m depth
Poriton 5	20-Nov-06		Fine	79.2	0	0	20.7		6m depth
Portion 4	20-Nov-06			79.2	0	0	20.7		5m depth
Portion 4	20-Nov-06	12:25	Fine	79.1	0	0	20.8		10m depth
Portion 7	20-Nov-06	12:26	Fine	79.3	0	0	20.6		4m depth
Portion 7	20-Nov-06	12:27	Fine	79.1	0	0	20.8		3m depth
Portion 7	20-Nov-06		Fine	79.2	0	0	20.7		2.5m depth
Portion 7	20-Nov-06	12:29	Fine	79.3	0	0	20.6		4m depth
Portion 7	20-Nov-06	12:30	Fine	79.2	0	0	20.7		4m depth
Portion 7	20-Nov-06	12:31	Fine	79.2	0	0	20.7		2m depth
Portion 6	20-Nov-06	12:32	Fine	79.2	0	0	20.7	23.5	2m depth
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Field Technician:	// /		Checked by:		10
	(Sub-Ag	jent / Supervisor)		(RSC	3)

Name of site:

Ting Kok Road Pumping Station No.5 21-Nov-06

Smapling equipment used:	Dates calibrate
GA 2000	22/08/2006

					Perimeter or	i-site and/or off-site	e monitoring holes		
Sample	Date of	Samping	Weather	Balance gas (%)	Flammable gas	Carbon Dioxide	Oxygen (%)	Temp (°C)	Remark
_ocation	Measurement	Time	condition		(methane %)	(%)			
Portion 5	21-Nov-06	8:15	Fine	79.3	0	0	20.6		Ground
Portion 5	21-Nov-06	8:16	Fine	79.2	0	0	20.7	22.8	3m depth
Poriton 5	21-Nov-06	8:17	Fine	79.2	0	0	20.7		6m depth
Portion 4	21-Nov-06	8:18	Fine	79.1	0	0	20.8		5m depth
Portion 4	21-Nov-06	8:19	Fine	79.2	0	0	20.7	22.8	10m depth
Portion 7	21-Nov-06	8:20	Fine	79.2	0	0	20.7	22.8	4m depth
Portion 7	21-Nov-06	8:21	Fine	79.2	0	0	20.7	22.8	3m depth
Portion 7	21-Nov-06	8:22	Fine	79.2	0	0	20.7	22.8	2.5m depth
Portion 7	21-Nov-06	8:23	Fine	79.2	0	0	20.7	22.8	4m depth
Portion 7	21-Nov-06	8:24	Fine	79.1	0	0	20.8	22.8	4m depth
Portion 7	21-Nov-06	8:25	Fine	79.2	0	0	20.7	22.8	2m depth
Portion 6	21-Nov-06	8:26	Fine	79.2	0	0	20.7	22.8	2m depth
	 								
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Field Technician:	\$1	Checked by:	XXV
	(Sub-Agent / Supervisor)		(R\$Q)

Name of site:

Ting Kok Road Pumping Station No.5 21-Nov-06

Smapling equipment used:	Dates calibrated
GA 2000	22/08/2006

		Perimeter on-site and/or off-site monitoring holes							
Sample	Date of	Samping	Weather	Balance gas (%)	Flammable gas	Carbon Dioxide	Oxygen (%)	Temp (°C)	Remark
_ocation	Measurement	Time	condition		(methane %)	(%)			
Portion 5	21-Nov-06	12:21	Fine	79.3	0	0	20.6		Ground
Portion 5	21-Nov-06	12:22	Fine	79.2	0	0	20.7		3m depth
Poriton 5	21-Nov-06	12:23	Fine	79.2	0	0	20.7		6m depth
Portion 4	21-Nov-06	<u> </u>	Fine	79.2	0	0	20.7		5m depth
Portion 4	21-Nov-06		Fine	79.2	0	0	20.7		10m depth
Portion 7	21-Nov-06			79.3	0	0	20.6		4m depth
Portion 7	21-Nov-06			79.2	0	0	20.7		3m depth
Portion 7	21-Nov-06		Fine	79.2	0	0	20.7		2.5m depth
Portion 7	21-Nov-06		Fine	79.3	0	0	20.6		4m depth
Portion 7	21-Nov-06			79.1	0	0	20.8		4m depth
Portion 7	21-Nov-06		Fine	79.1	0	0	20.8		2m depth
Portion 6	21-Nov-06		Fine	79.1	0	0	20.8	23.2	2m depth
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Field Technician:			Checked by:	ono	,
	(Sub-Agent / Supervisor)			(R\$O)	

Name of site:

Ting Kok Road Pumping Station No.5 22-Nov-06

Smapling equipment used:	Dates calibrated
GA 2000	22/08/2006

				Perimeter on-site and/or off-site monitoring holes						
Sample	Date of	Samping	Weather	Balance gas (%)	Flammable gas	Carbon Dioxide	Oxygen (%)	Temp (°C)	Remark	
_ocation	Measurement		condition		(methane %)	(%)				
Portion 5	22-Nov-06		Fine	79.2	0	0	20.7		Ground	
Portion 5	22-Nov-06		Fine	79.2	0	0	20.7		3m depth	
Poriton 5	22-Nov-06		Fine	79.1	0	0	20.8	the second secon	6m depth	
Portion 4	22-Nov-06		Fine	79.1	0	0	20.8		5m depth	
Portion 4	22-Nov-06		Fine	79.2	0	0	20.7		10m depth	
Portion 7	22-Nov-06		Fine	79.3	0	0	20.6		4m depth	
Portion 7	22-Nov-06		Fine	79.3	0	0	20.6		3m depth	
Portion 7	22-Nov-06		Fine	79.3	0	0	20.6		2.5m depth	
Portion 7	22-Nov-06		Fine	79.2	0	0	20.7		4m depth	
Portion 7	22-Nov-06		Fine	79.3	0	0	20.6		4m depth	
Portion 7	22-Nov-06		Fine	79.2	0	0			2m depth	
Portion 6	22-Nov-06		Fine	79.2	0	0	20.7	20.2	2m depth	
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Field Technician:		Checked by:	XVV
	(Sub-Agent / Supervisor)		(RSO)

Name of site:

Ting Kok Road Pumping Station No.5 22-Nov-06

Smapling equipment used:	Dates calibrated
GA 2000	22/08/2006

					Perimeter or	n-site and/or off-site	e monitoring holes		
Sample	Date of	Samping	Weather	Balance gas (%)	Flammable gas	Carbon Dioxide	Oxygen (%)	Temp (°C)	Remark
_ocation	Measurement	Time	condition		(methane %)	(%)	·		
Portion 5	22-Nov-06	12:21	Fine	79.2	0	0	20.7	24.8	Ground
Portion 5	22-Nov-06	12:22	Fine	79.1	0	0	20.8		3m depth
Poriton 5	22-Nov-06	12:23	Fine	79.3	0	0	20.6	24.8	6m depth
ortion 4	22-Nov-06	12:24	Fine	79.2	0	0	20.7	24.8	5m depth
Portion 4	22-Nov-06	12:25	Fine	79.2	0	0	20.7	24.8	10m depth
Portion 7	22-Nov-06	12:26	Fine	79.1	0	0	20.8	24.8	4m depth
Portion 7	22-Nov-06	12:27	Fine	79.1	0	0	20.8	24.8	3m depth
Portion 7	22-Nov-06	12:28	Fine	79.2	0	0	20.7		2.5m depth
Portion 7	22-Nov-06	12:29	Fine	79.3	0	0	20.6		4m depth
ortion 7	22-Nov-06	12:30	Fine	79.3	0	0	20.6		4m depth
Portion 7	22-Nov-06	12:31	Fine	79.2	0	0	20.7		2m depth
Portion 6	22-Nov-06			79.3	0	0	20.6		2m depth
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Field Technician:	*		Checked by:		
	(Sub-Age	nt / Supervisor)		(F	RSØ)

Name of site:

Ting Kok Road Pumping Station No.5 23-Nov-06

Smapling equipment used:	Dates calibrated
GA 2000	22/08/2006

			Perimeter on-site and/or off-site monitoring holes								
Sample	Date of	Samping	Weather	Balance gas (%)	Flammable gas	Carbon Dioxide	Oxygen (%)	Temp (°C)	Remark		
Location	Measurement	Time	condition		(methane %)	(%)					
Portion 5	23-Nov-06	8:15	Fine	79.2	0	0	20.7		Ground		
Portion 5	23-Nov-06	8:16	Fine	79.2	0	0	20.7		3m depth		
Poriton 5	23-Nov-06	8:17	Fine	79.2	0	0	20.7		6m depth		
Portion 4	23-Nov-06	8:18	Fine	79.2	0	0	20.7		5m depth		
Portion 4	23-Nov-06	8:19	Fine	79.2	0	0	20.7		10m depth		
Portion 7	23-Nov-06	8:20	Fine	79.3	0	0	20.6	22.6	4m depth		
Portion 7	23-Nov-06	8:21	Fine	79.1	0	0	20.8		3m depth		
Portion 7	23-Nov-06	8:22	Fine	79.1	0	0	20.8		2.5m depth		
Portion 7	23-Nov-06	8:23	Fine	79.2	0	0	20.7	22.6	4m depth		
Portion 7	23-Nov-06	8:24	Fine	79.3	0	0	20.6		4m depth		
Portion 7	23-Nov-06	8:25	Fine	79.2	0	0	20.7	22.6	2m depth		
Portion 6	23-Nov-06		Fine	79.3	0	0	20.6	22.6	2m depth		
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Field Technician:		Checked by:	CARO
	(Sub Agent / Superviser)		(RSO)

Name of site:

Ting Kok Road Pumping Station No.5 23-Nov-06

GA 2000 22/08/2006	Smapling equipment used:	Dates calibrate
	GA 2000	22/08/2006

			-	Perimeter or	-site and/or off-site	e monitoring holes		
Date of	Samping	Weather	Balance gas (%)	Flammable gas	Carbon Dioxide	Oxygen (%)	Temp (°C)	Remark
Measurement	Time	condition		(methane %)	(%)			
23-Nov-06	12:21	Fine	79.4	0	0	20.5	24.3	Ground
23-Nov-06	12:22	Fine	79.3	0	0	20.6	24.3	3m depth
23-Nov-06	12:23	Fine	79.3	0	0	20.6	24.3	6m depth
23-Nov-06	12:24	Fine	79.2	0	0	20.7	24.3	5m depth
23-Nov-06	12:25	Fine	79.3	0	Ó	20.6	24.3	10m depth
23-Nov-06	12:26	Fine	79.2	0	0	20.7	24.3	4m depth
23-Nov-06	12:27	Fine	79.1	0	0	20.8	24.3	3m depth
23-Nov-06	12:28	Fine	79.2	0	0	20.7	24.3	2.5m depth
23-Nov-06	12:29	Fine	79.3	0	0	20.6		4m depth
23-Nov-06	12:30	Fine	79.3	0	0	20.6	24.3	4m depth
23-Nov-06	12:31	Fine	79.2	0	0	20.7		2m depth
23-Nov-06	12:32	Fine	79.1	0	0	20.8		2m depth
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	<u> </u>							
	Measurement 23-Nov-06	Measurement Time 23-Nov-06 12:21 23-Nov-06 12:22 23-Nov-06 12:23 23-Nov-06 12:24 23-Nov-06 12:25 23-Nov-06 12:26 23-Nov-06 12:27 23-Nov-06 12:28 23-Nov-06 12:29 23-Nov-06 12:30 23-Nov-06 12:31	Measurement Time condition 23-Nov-06 12:21 Fine 23-Nov-06 12:22 Fine 23-Nov-06 12:23 Fine 23-Nov-06 12:24 Fine 23-Nov-06 12:25 Fine 23-Nov-06 12:26 Fine 23-Nov-06 12:27 Fine 23-Nov-06 12:28 Fine 23-Nov-06 12:29 Fine 23-Nov-06 12:30 Fine 23-Nov-06 12:31 Fine	Date Of Samping Measurement Time condition 23-Nov-06 12:21 Fine 79.4 23-Nov-06 12:22 Fine 79.3 23-Nov-06 12:23 Fine 79.2 23-Nov-06 12:25 Fine 79.3 23-Nov-06 12:25 Fine 79.3 23-Nov-06 12:26 Fine 79.2 23-Nov-06 12:27 Fine 79.1 23-Nov-06 12:28 Fine 79.2 23-Nov-06 12:29 Fine 79.3 23-Nov-06 12:30 Fine 79.3 23-Nov-06 12:31 Fine 79.2	Date Measurement Samping Time Weather condition Balance gas (%) Flammable gas (methane %) 23-Nov-06 12:21 Fine 79.4 0 23-Nov-06 12:22 Fine 79.3 0 23-Nov-06 12:23 Fine 79.3 0 23-Nov-06 12:24 Fine 79.2 0 23-Nov-06 12:25 Fine 79.2 0 23-Nov-06 12:26 Fine 79.2 0 23-Nov-06 12:27 Fine 79.1 0 23-Nov-06 12:28 Fine 79.2 0 23-Nov-06 12:29 Fine 79.3 0 23-Nov-06 12:30 Fine 79.3 0 23-Nov-06 12:31 Fine 79.3 0	Date Measurement Newscription Samping Time Weather condition Balance gas (%) Flammable gas (methane %) Carbon Dioxide (%) 23-Nov-06 12:21 Fine 79.4 0 0 23-Nov-06 12:22 Fine 79.3 0 0 23-Nov-06 12:23 Fine 79.3 0 0 23-Nov-06 12:24 Fine 79.2 0 0 23-Nov-06 12:25 Fine 79.3 0 0 23-Nov-06 12:26 Fine 79.2 0 0 23-Nov-06 12:27 Fine 79.1 0 0 23-Nov-06 12:28 Fine 79.2 0 0 23-Nov-06 12:28 Fine 79.2 0 0 23-Nov-06 12:29 Fine 79.3 0 0 23-Nov-06 12:29 Fine 79.3 0 0 23-Nov-06 12:30 Fine 79.3 0 0 23-Nov-06 12:31 Fine 79.2 0 0	Date Measurement Measurement Samping Time Weather condition Balance gas (%) Flammable gas (methane %) Carbon Dioxide (%) Oxygen (%) 23-Nov-06 12:21 Fine 79.4 0 0 20.5 23-Nov-06 12:22 Fine 79.3 0 0 20.6 23-Nov-06 12:23 Fine 79.3 0 0 20.6 23-Nov-06 12:24 Fine 79.2 0 0 20.7 23-Nov-06 12:25 Fine 79.3 0 0 20.6 23-Nov-06 12:26 Fine 79.2 0 0 20.7 23-Nov-06 12:27 Fine 79.1 0 0 20.8 23-Nov-06 12:28 Fine 79.2 0 0 20.7 23-Nov-06 12:29 Fine 79.3 0 0 20.7 23-Nov-06 12:29 Fine 79.3 0 0 20.6 23-Nov-06 12:30 Fine 79.3 0 0 20.6 23-Nov-06 12:31 Fine	Measurement Time condition (methane %) (%) 23-Nov-06 12:21 Fine 79.4 0 0 20.5 24.3 23-Nov-06 12:22 Fine 79.3 0 0 20.6 24.3 23-Nov-06 12:23 Fine 79.3 0 0 20.6 24.3 23-Nov-06 12:24 Fine 79.2 0 0 20.7 24.3 23-Nov-06 12:25 Fine 79.3 0 0 20.6 24.3 23-Nov-06 12:25 Fine 79.3 0 0 20.6 24.3 23-Nov-06 12:26 Fine 79.2 0 0 20.7 24.3 23-Nov-06 12:27 Fine 79.1 0 0 20.8 24.3 23-Nov-06 12:28 Fine 79.2 0 0 20.7 24.3 23-Nov-06 12:29 Fine 79.3 0 0 20.6 24.3 23-Nov-06 12:30 Fine 79.3 0

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Field Technician:	/	Checked by:	No
	(Sub-Agent /-Supervisor)		(RSO)

Name of site:

Ting Kok Road Pumping Station No.5 24-Nov-06

Smapling equipment used:	Dates calibrated
GA 2000	22/08/2006

					Perimeter or	-site and/or off-site	e monitoring holes		
Sample	Date of	Samping	Weather	Balance gas (%)	Flammable gas	Carbon Dioxide	Oxygen (%)	Temp (°C)	Remark
Location	Measurement		condition		(methane %)	(%)			
Portion 5	24-Nov-06	And the second desired the second desired the second desired to the second desired the se	Fine	79.3	0	0	20.6		Ground
Portion 5	24-Nov-06		Fine	79.2	0	0	20.7		3m depth
Poriton 5	24-Nov-06		Fine	79.2	. 0	0	20.7		6m depth
Portion 4	24-Nov-06		Fine	79.2	0	0	20.7		5m depth
Portion 4	24-Nov-06	<u></u>	Fine	79.2	0	0	20.7		10m depth
Portion 7	24-Nov-06		Fine	79.1	0	0	20.8		4m depth
Portion 7	24-Nov-06		Fine	79.2	0	0	20.7		3m depth
Portion 7	24-Nov-06		Fine	79.1	0	0	20.8	The second secon	2.5m depth
Portion 7	24-Nov-06		Fine	79.3	0	0	20.6		4m depth
Portion 7	24-Nov-06		Fine	79.3	0	0	20.6		4m depth
Portion 7	24-Nov-06		Fine	79.2	0	0	20.7		2m depth
Portion 6	24-Nov-06		Fine	79.2	0	0	20.7	23.1	2m depth
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								The second secon	
									<u> </u>

Field Technician:		A			Checked by:	dus
		(Sub-Agent / S	upervisor)	-		(RSQ)

Name of site:

Ting Kok Road Pumping Station No.5 24-Nov-06

Smapling equipment used:	Dates calibrated
GA 2000	22/08/2006

					Perimeter or	i-site and/or off-site	e monitoring holes		
ample	Date of	Samping	Weather	Balance gas (%)	Flammable gas	Carbon Dioxide	Oxygen (%)	Temp (°C)	Remark
ocation	Measurement	Time	condition		(methane %)	(%)			
Portion 5	24-Nov-06	12:21	Fine	79.2	0	0	20.7		Ground
Portion 5	24-Nov-06	12:22	Fine	79.1	0	0	20.8		3m depth
Poriton 5	24-Nov-06	12:23	Fine	79.3	0	0	20.6		6m depth
Portion 4	24-Nov-06	12:24	Fine	79.3	0	0	20.6		5m depth
Portion 4	24-Nov-06	12:25	Fine	79.2	0	0	20.7		10m depth
Portion 7	24-Nov-06			79.2	0	0	20.7		4m depth
Portion 7	24-Nov-06			79.2	0	0	20.7		3m depth
Portion 7	24-Nov-06	<u></u>		79.2	0	O	20.7	25.1	2.5m depth
Portion 7	24-Nov-06			79.3	0	0	20.6	25.1	4m depth
Portion 7	24-Nov-06	.)		79.3	0	0	20.6	25.1	4m depth
Portion 7	24-Nov-06		Fine	79.2	0	0	20.7	25.1	2m depth
Portion 6	24-Nov-06			79.2	0	0	20.7	25.1	2m depth
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Field Technician:	4		Checked by:	XXX
	(Sub-Agent / Supervisor)	-		(R\$O)

Name of site:

Ting Kok Road Pumping Station No.5 25-Nov-06

Smapling equipment used:	Dates calibrated
GA 2000	22/08/2006
UA 2000	

					Perimeter or	-site and/or off-site	e monitoring holes		
.	Data	Samping	Weather	Balance gas (%)	Flammable gas	Carbon Dioxide	Oxygen (%)	Temp (°C)	Remark
Sample _ocation	ì	Time	condition	et la	(methane %)	(%)			
	25-Nov-06		Marie Control of the	79.2	0	0	20.7		Ground
Portion 5	25-Nov-06			79.1	0	0	20.8		3m depth
Portion 5	25-Nov-06		NAME OF TAXABLE PARTY.	79.1	0	0	20.8		6m depth
Poriton 5	25-Nov-06		Fine	79.2	0	0	20.7		5m depth
Portion 4	25-Nov-06		Fine	79.1	0		20.8		10m depth
Portion 4			Fine	79.2			20.7		4m depth
Portion 7	25-Nov-06 25-Nov-06		Fine	79.2		0	20.7		3m depth
Portion 7			Fine	79.1	0	0	20.8		2.5m depth
Portion 7	25-Nov-06		Fine	79.2	0	0	20.7	22.8	4m depth
Portion 7	25-Nov-06		Fine	79.3			20.6	22.8	4m depth
Portion 7	25-Nov-06		Fine	79.2		_	20.7	22.8	2m depth
Portion 7	25-Nov-06		Fine	79.3			20.6	22.8	2m depth
Portion 6	25-Nov-06	0.20	Fine	10.0	<u> </u>				
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Field Technician:		<u> </u>	Checked by:	<u> </u>
i leid recitifician.	(Su	Agent (Supervisor)		(RSO)

Name of site:

Ting Kok Road Pumping Station No.5 25-Nov-06

22/08/2006

					e monitoring holes	toring holes			
Sample	Date of	Samping	Weather	Balance gas (%)	Flammable gas	Carbon Dioxide	Oxygen (%)	Temp (°C)	Remark
_ocation	Measurement	Time	condition		(methane %)	(%)			
Portion 5	25-Nov-06	12:21	Fine	79.2	0	0	20.7		Ground
Portion 5	25-Nov-06	12:22	Fine	79.2	0	0	20.7		3m depth
Poriton 5	25-Nov-06	12:23	Fine	79.3	0	0	20.6	24.8	6m depth
Portion 4	25-Nov-06	12:24	Fine	79.3	0	0	20.6	24.8	5m depth
Portion 4	25-Nov-06	12:25	Fine	79.2	0	0	20.7	24.8	10m depth
Portion 7	25-Nov-06		Fine	79.3	0	0	20.6	24.8	4m depth
Portion 7	25-Nov-06			79.3	0	0	20.6	24.8	3m depth
Portion 7	25-Nov-06		Fine	79.2	0	0	20.7	24.8	2.5m depth
Portion 7	25-Nov-06	12:29	Fine	79.1	0	0	20.8	24.8	4m depth
Portion 7	25-Nov-06			79.3	0	0	20.6	24.8	4m depth
Portion 7	25-Nov-06		Fine	79.2	0	0	20.7	24.8	2m depth
Portion 6	25-Nov-06			79.2	0	0	20.7	24.8	2m depth
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Field Technician:	\	Checked by:	Ofro
	(Sub-Agent /-Supervisor)		(RSO)

Name of site:

Ting Kok Road Pumping Station No.5 27-Nov-06

Smapling equipment used:	Dates calibrated
GA 2000	22/08/2006
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Sample	Date of	Samping	Weather	Balance gas (%)	Flammable gas	Carbon Dioxide	Oxygen (%)	Temp (°C)	Remark
Location	Measurement	Time	condition		(methane %)	(%)			
Portion 5	27-Nov-06	8:15	Fine	79.1	0	0	20.8		Ground
Portion 5	27-Nov-06	8:16	Fine	79.2	0	0	20.7		3m depth
Poriton 5	27-Nov-06	8:17	Fine	79.2	0	0	20.7		6m depth
Portion 4	27-Nov-06	8:18	Fine	79.2	0	0	20.7		5m depth
Portion 4	27-Nov-06	8:19	Fine	79.1	0	0	20.8	21.3	10m depth
Portion 7	27-Nov-06	8:20	Fine	79.2	0	0	20.7		4m depth
Portion 7	27-Nov-06	8:21	Fine	79.2	0	0	20.7		3m depth
Portion 7	27-Nov-06	8:22	Fine	79.2	0	0	20.7		2.5m depth
Portion 7	27-Nov-06	8:23	Fine	79.2	0	0	20.7	21.3	4m depth
Portion 7	27-Nov-06		Fine	79.3	0	0	20.6	21.3	4m depth
Portion 7	27-Nov-06		Fine	79.2	0	0	20.7	21.3	2m depth
Portion 6	27-Nov-06	Name and Address of the Owner, where the Owner, which is the Owner, whi	Fine	79.1	0	0	20.8	21.3	2m depth
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Field Technician:		Checked by:	Ars.
	(Sub-Agent / Supervisor)		(RSO)

Name of site:

Ting Kok Road Pumping Station No.5 27-Nov-06

Smapling equipment used:	Dates calibrated
GA 2000	22/08/2006

			Perimeter on-site and/or off-site monitoring holes								
Sample	Date of	Samping	Weather	Balance gas (%)	Flammable gas	Carbon Dioxide	Oxygen (%)	Temp (°C)	Remark		
_ocation	Measurement	Time	condition		(methane %)	(%)					
Portion 5	27-Nov-06	12:21	Fine	79.3	0	0	20.6	23.5	Ground		
Portion 5	27-Nov-06	12:22	Fine	79.3	0	0	20.6	23.5	3m depth		
Poriton 5	27-Nov-06	12:23	Fine	79.2	0	0	20.7	23.5	6m depth		
Portion 4	27-Nov-06	12:24	Fine	79.3	0	0	20.6	23.5	5m depth		
Portion 4	27-Nov-06	12:25	Fine	79.2	0	0	20.7	23.5	10m depth		
Portion 7	27-Nov-06	12:26	Fine	79.1	0	0	20.8	23.5	4m depth		
Portion 7	27-Nov-06	12:27	Fine	79.1	0	0	20.8	23.5	3m depth		
Portion 7	27-Nov-06	12:28	Fine	79.2	.0	0	20.7	23.5	2.5m depth		
Portion 7	27-Nov-06	12:29	Fine	79.1	0	0	20.8	23,5	4m depth		
Portion 7	27-Nov-06	12:30	Fine	79.3	0	0	20.6	23.5	4m depth		
Portion 7	27-Nov-06	12:31	Fine	79.1	0	0	20.8	23.5	2m depth		
Portion 6	27-Nov-06	12:32	Fine	79.2	0	0	20.7	23.5	2m depth		
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Field Technician:		X		Checked by:	to
	(Sų	Agent / Superviso	or)		(RSO)

Smapling equipment used:	Dates calibrated
Sittaphing Equipation	
GA 2000	22/08/2006

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Landiiii Gas Name of site Date of Meas				g Station No.5		Smapling equi	000	Dates calibrated 22/08/2006	popo	
Sample Location M1 M3	Date of Measurement 27-Nov-08	15:15	Weather condition Fine Fine	Balance gas (%) 79.6 79.6	Flammable gas (methane %)	(%)	e monitoring holes Oxygen (%) 20.3 20.3	Temp (*C) 23.9 23.9	Remark	
										NOV 2016 2006-6034 2006-6034 2006-8034 2006-8034 2006-8034
Field Ted	hnician:		(Sub)Ar	Jent / Supervisor)		Checked by:		(RSO)	For Action Info GH Copy to Raply date File ref	Sign Date

Ting Kok Road Pumping Station No.5 28-Nov-06

Name of site:
Date of Measurement:

Smapling equipment used:	Dates calibrated
GA 2000	22/08/2006

**************************************					Perimeter or	n-site and/or off-site	e monitoring holes	·	
Sample	Date of	Samping	Weather	Balance gas (%)	Flammable gas	Carbon Dioxide	Oxygen (%)	Temp (°C)	Remark
Location	Measurement	Time	condition		(methane %)	(%)			
Portion 5	28-Nov-06	8:15	Fine	79.1	0	0	20.8	20.6	Ground
Portion 5	28-Nov-06	8:16	Fine	79.1	0	0	20.8	20.6	3m depth
Poriton 5	28-Nov-06	8:17	Fine	79.2	0	0	20.7		6m depth
Portion 4	28-Nov-06	8:18	Fine	79.3	0	0	20.6	20.6	5m depth
Portion 4	28-Nov-06	8:19	Fine	79.1	0	0	20.8	20.6	10m depth
Portion 7	28-Nov-06	8:20	Fine	79.3	0	0	20.6	20.6	4m depth
Portion 7	28-Nov-06	8:21	Fine	79.2	0	0	20.7	20.6	3m depth
Portion 7	28-Nov-06	8:22	Fine	79.2	0	0	20.7	20.6	2.5m depth
Portion 7	28-Nov-06	8:23	Fine	79.3	0	0	20.6		4m depth
Portion 7	28-Nov-06	8:24	Fine	79.3	0	0	20.6	20.6	4m depth
Portion 7	28-Nov-06	8:25	Fine	79.2	0	0	20.7	20.6	2m depth
Portion 6	28-Nov-06	8:26	Fine	79.3	0	0	20.6	20.6	2m depth
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Maktakini (miranione) asteon veza aninkonine sessonom								ago ago ago ago agua agua agua agua agua	
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MATERIAL PROPERTY OF THE PROPE						MELLON MAY, AND RECORD ASSESSMENT MAY PROPERTY CONTINUES AND	M. TORONO CONTRACTOR OF THE CO	radiaci perme denotara l'adoct paralleleza carre carrierles portes de riville atom i enertitico sermino e di	

Field Technician:			Checked by:	2no
	(\$y)5-X	gent / Su pervisor)		(RSO)

Name of site:

Ting Kok Road Pumping Station No.5 28-Nov-03

Date of Measurement

Smapling equipment used:	Dates calib-ated
GA 2000	22/08/2006

					Ferimeter o:	rsite and/or off-site	moritoring holes		
Sample		Samping	Weather	Balance gas (%)	Flaminable gas	Carbon Dioxide	Oxygen (%)	Temp (°C)	Remark
Location	Measurement	Time	condition		(methane %)	(%)			<u></u>
Portion 5	28-Nov-06	12:21	Fire	79.3	0	C	20.6	24.1	Ground
Partion 5	28-Nav-06	12:22	Fine	79.3	0	C	20.6	24.1	3n1 depth
Poriton 5	28-Nov-06	12;23	Fine	79.3	D	C	20.6	24.1	6m depth
Partion 4	28-Nov-96	12:24	fine	79.2	O'	C	20.7	24.1	5m depth
Portion 4	28-Nov-06	12:25	Fine	79.3	0	C	20.6	24.1	10m deplh
Portion 7	28-Nov-06	12:26	Fine	79.2	1)	0	20.7	24.1	4m depth
Portion 7	28-Nov-06	12:27	Fine	79.2	ט	G	20.7	24.1	3rn depth
Pontion 7	28-Nov-06	12:28	Fine	79.2	()	C	20.7	24.1	2.5m depth
Portion 7	28-Nov-06	12:29	Fine	79.1	0	C	20.8	24,1	4ra depth
Portion 7	28-Nov-06	12:30	Fine	79.3	0	C	20.6	24.1	Ara depth
Portion 7	28-Nov-08	12:31	Fine	79.3	0	C	20.6	24.1	2r1 depth
Portion 6	28-Nov-06	12:32	Fine	79.2	0	0	20.7	24.1	2rn depth
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								است. دل راهن ای به رسیده میشند. دا بری رستنسان را رای رایسید، استانسید، مستنس	
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Field Technician:

(Sth-Agant / Supervisor)

Checked by:

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Landfill Gas Monitoring - Field Measurement Recording Sheet

Name of site: Date of Measurement:

Ting Kok Road Pumping Station No.5 29-Nov-08

Smapling equipment used:	Dates calibrated
GA 2000	22/08/2006

			}	Perimeter on-site and/or off-site monitoring holes						
Sample	Date of	Samping	Weather	Balance gas (%)	Flammable gas	Carbon Dioxide	Oxygen (%)	Temp (°C)	Remark	
ocation	Measurement	Time	condition		(methane %)	(%)				
Partion 5	29-Nov-06	8:15	Fine	79.2	0	0	20.7		Ground	
Portion 5	29-Nov-08	8:16	Fine	79.3	0	0	20.6		3m depth	
oriton 5	29-Nov-06	8:17	Fine	79.2	0	0	20.7		6m depth	
Partion 4	29-Nov-06	8:18	Fine	79.2	0	0	20.7		5m depth	
Portion 4	29-Nov-08	8:19	Fine	79.3	0	0	20.6		10m depth	
Portion 7	29-Nov-06	8:20	Fine	79.1	0	0	20.8		4m depth	
Portlan 7	29-Nov-06		Fine	79.1	0	0	20.8		3m depth	
Portion 7	29-Nov-06		Fine	79.2	0	0	20.7		2.5m depth	
Portlon 7	29-Nov-06		Fine	79.3	0	0	20.6		4m depth	
Portlon 7	29-Nov-06		Fine	79.2	a	0			4m depth	
Portion 7	29-Nov-06		Fine	79.2	O	0	20.7		2m depth	
Partion 6	29-Nov-06		Fine	79.1	0	0	20.8	20.9	2m depth	
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field Technician:	A	Checked by:	Sans
	(Sub Agent LSupervicer)	-	(R\$Φ)

Name of site:

Ting Kok Road Pumping Station No.5 29-Nev-06

Dixe of Measurement:

Smapling equipment used:	Dates calibrated
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Sumple	Cate of	Serapieg	Weather	Bakınca ças (%)	Flammable gas	Czrosn Diexkle	Охудат (%)	Teino ("C)	Remark
.ocation	Measurement	Time	ecirl ion		(जर्माकार %)	;%)			ورماس
Porlion 5	29-Nov-06	12:21	Fine	79.2	()	C	20.7		Gound
ortion 5	29-Nov-06	12:22	Fire	79.2	0	O	20.7	arra is it a commercial faithful and the arra at 1 1965 I W	3-n depin
or (on 5	23-Nov-06	12:23	Fine	79.3	Ü	0	20.6		6: i death
Parlian 4	23-Nov-08	17:24	Fine	79.3	1)	C	20.6	ک ڈین کے مستقب کے کہ شرق کرنے کی ایک مستقب	Sen depth
ortion 4	2:3-N'ov-03	12:25	Fine	79.3	0	0	30.6		i(m desin
ortion 7	29-Nov-66	12:26	Fine:	791	()	0	20.7		4m deph
Portion 7	29-Nov-96	12:27	Fine	79.3	()	0	20.6		3m death
ortion 7	29-Nov-06	12:28	Fine	79.2	Ü	.0	20.7		2.5m deeta
ortion 7	20-Nov-06	12:29	Fine	79.2	0	0	20.7		4:n deple
onton 7	20-Nov-06	12:30	f'ine	79.2	()	0	20.7		4m ceum
ortion 7	29-Nov-08	12:31	Fine	79.2	()	0	20.7		2m depli
ortion 6	29-Nov-08	12:32	Fine	79.2	0	0	20.7	25.3	2m cept
المستور مستشمس ويت دنيا يتجارو	nagrania disen di Cimentini di Lemperana, delembran La Compania di Salamang (Salamanagilana), a piana ker		per per un marie and se de l' l'anne de l'anne de l'ann	The graduates is against the production of the contract of the	که استفاده و بین مانده و میشود در بین مانده در با br>در با در		هد ر میشود و میشود کارسید که به میشود و به میشود میشود میشود و به میشود که میشود میشود میشود میشود میشود میشود میشود میشود میشود میشود میشود به میشود	د داشت. «محمدسین و محمد و مدند و به نمت باید به این باید باید باید باید باید باید باید باید	and to had maken in the of it for
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				2 a'u armado virus peralentes and penalentes stop (about a 2			ی دا ادار دوخانی د دید و <u>این با </u>	politicum à diving de para partition ne quantification de Rain paragraph, delle in departure manuré à princéleable de	
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Landfill Gas Monitoring - Field Moasurement Recording Sheet

Name of sile:

Ting Kok Road Pumping Station No.5 30-Nov-06

Date of Measurement:

Smapling equipment used:	Dates calibrated
GA 2000	22/08/2006

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Sample.	Date of	Samping	Weather	Balance gas (%)	Flammable gas	Carbon Dioxida	Oxygen (%)	Temp (°C)	Remark
Sample Location		Time	condition		(methane %)	(%)			
Portion 5	30-Nov-06		Fine	79.2	0	0	20.7		Ground
Partion 5	30-Nov-06		Fine	79.2	0	0	20.7		3m depth
Poriton 5	30-Nov-06		Fine	79.2	0	0	20.7		6m depth
Portion 4	30-Nov-06		Fine	79.3	0	0	20.6		5m depth
Portion 4	30-Nov-06		Fine	79.3	0	0	20.6		10m depth
Portion 7	30-Nov-06		Fine	79.3	0	0	20.6		4m depth
Portion 7	30-Nov-06		Fine	79.1	0	0	20.8		3m depth
Portion 7	30-Nov-06		Fine	79.2	0	0	20.7		2.5m depth
Portion 7	30-Nov-06		Fine	79.3		0	20.6		4m depth
Partion 7	30-Nov-06		Fine	79.3		0	20.6		4m depth
Portion 7	30-Nov-06		Fine	79.2		0	20.7		2m depth
Portion 6	30-Nov-06		Fine	79.2		0	20.7	20.4	2m depth
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Eigh	Tach	nician:
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(Sub-Agent / Supervisor)

Checked by:

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Landel Gas Novibering - Field Massurement Recording Sheet

Name of situ

Ting Kok Road Pumping Station No.5 30-Nov-50

Date of Measurement

Smapting equipment used:	Dates caribared
and the second s	
GA 2000	72/08/2006
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و همستونيو و روسود و مستونو	region (II to tractor of Subseque a Subseque to the of		Faring bur on site and or off-site monitoring holes						manager and a second or state of
Sample	Datu of	Seriping	'A'eat vor	Balar ce gas (%)	Faminobit gas	Ebixoit nochs	Οχγ <u>α</u> σεπ (5≤)	∵emp (°C)	रेग-लंबार्स,
ocation	(Time	excidition	The same of the control of the contr	inerhena %)	(%) <u></u>	20.0	22.3	Ground
orban 5	30-Nov-06	12:21	ino	79.1			20.6	22.3	3rn depth
ortion 5	30 Nov-08	1: :22	ine	79.3	I Sales - Street of Author than 1 and 1 and 1 and 1	0	مراهبيني والمستعداة ومعداء الدسمة	273	6ra depth
orilon 5	30-Nov-06		Han	79.3	A. A			22.3	5m depth
ortion 4	30-Nov-06	17:24	i tro	79.2	Company of the last of the las	<u> </u>		22.3	1/m depts
Portion 4	30 Nov-06	1::25		79.3	Carried Statement Statement and are a real and and a second		20.6	22.8	4-1 tepth
Portion 7	30-Nov-06	12:26	L KIO	79.3	Character of American Indoor and the control of		20.7	22.8	Son rept
Position 7	- 3014 Nov-06		ine.	78.2	A COUNTY OF THE REAL PROPERTY AND ADDRESS OF THE PARTY OF	V	20.B	22.8	2.5m dech
Postion 7	30 Nov-06		l fire:	79.1			20.	22.5	4m depth
Pertion 7	3(1-Nov-06	1:29) inn	79.2	THE REAL PROPERTY AND ADDRESS OF THE PARTY O		20.	22.1	4m depth
Portion 7	10-vol4(16		Finn	79.2			20.8	27	2m depth
Portion 7	30-Nov-06		l Firm:	79.			20.0	27	2m depth
Portion 6	30 Now-0	12:65	2 Firms	79.					J
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Field Teclusician

C-recked by: