

# Appendix 3.1      Biopile Operation Monitoring and Cleanup Report (8 December 2010 to ,7 January 2011)





中国水利电力对外公司

CHINA INTERNATIONAL WATER & ELECTRIC CORP.

Rm. 1508, 15/F., Fortress Tower,  
250 King's Road, North Point,  
Hong Kong.  
Tel : (852) 2508 0983  
Fax : (852) 2508 0987

Date : 6 May 2011

Our Ref. : CWE/CV200706/S210(8)-2722

Your Ref. : -

Mott MacDonald Hong Kong Limited  
Resident Engineer's Office

By Hand

Kwai-Yue-Lane

Kwai Chung  
N.T.

Attn.: Mr. T.W. Fan - Engineer's Representative

Dear Sir,

Contract No. CV / 2007 / 06

Kwai Chung Incineration Plant Demolition and Decontamination Works

Submission of Biopile Operation Monitoring and Cleanup Progress Report for

8 Dec 2010 to 7 Jan 2011 (Version 1.2)

Reference is made to the latest version of the Biopile Operation Monitoring Plan  
Version 1.5, please find enclose revised Biopile Operation Monitoring and Cleanup  
Progress Report covering the monitoring period of 8 December 2010 to 7 January  
2011 (Version 1.2) reflecting the latest amendments.

Yours faithfully

For and on behalf of

CHINA INTERNATIONAL WATER & ELECTRIC CORP.

Steven Ho

Site Agent

SH/JK

Encl.

c.c. - Mott - HQ

CWE - HQ

Contract No. CV/2007/06	
To	Inf Copy Sign Date
1	LK/ [Signature] 5/11
2	TH/ [Signature] 7/11
Filed on 06 MAY 2011	
3	Law/ [Signature] 14/6
4	
L. to No. 210/2010/06/06	

1st copies & devals



Contract No. CV/2007/06

Kwai Chung Incineration Plant

Demolition and Decontamination Works

雙面影印

Civil Engineering and Development Department  
Civil Engineering Office  
Special Duties (Works) Division  
3/F, Civil Engineering and Development Building  
101 Princess Margaret Road  
Homantin, Kowloon

**Contract No. CV/2007/06**

**Kwai Chung Incineration Plant  
Demolition and Decontamination works**

**Biopile Operation Monitoring and Cleanup  
Progress Report No. 1**

(8 December 2010 to 7 January 2011)

**May 2011**  
**(Version 1.2)**

**List of Contents**

<b>Chapters</b>	<b>Page</b>
<b>1 INTRODUCTION</b>	<b>1</b>
1.1 General	1
1.2 Background	1
1.3 Scope of Works	2
<b>2 CHRONOLOGY OF EVENTS</b>	<b>3</b>
2.1 Record of Site Activities	3
2.2 Routine Monitoring	3
<b>3 SUMMARY OF OPERATIONS</b>	<b>4</b>
3.1 Comments on the Overall Biopile Decontamination System Operation	4
3.2 Comments on Maintenance Activities	4
<b>4 SUMMARY OF PROGRESS MONITORING DATA</b>	<b>5</b>
4.1 Daily Monitoring	5
4.2 Soil Gas Monitoring	5
4.3 Soil Sampling	7
4.4 Leachate Sampling	7
<b>5 ISSUES FOR FUTURE MANAGEMENT OF DECONTAMINATION SYSTEM</b>	<b>9</b>
<b>List of Tables</b>	
Table 1 Summary of Soil Gas Monitoring	6
<b>List of Appendices</b>	
Appendix A Schedule of Routine Monitoring	
Appendix B Location of Daily Monitoring and Routine Monitoring Record Sheet (Daily)	
Appendix C Location of and Method Statement of Soil Gas Monitoring	
Appendix D Soil Gas Monitoring Record	

**Prepared For**

China International Water & Electric Corp Ltd.

**Prepared By**

ENVIRON Hong Kong Ltd.

## 1 INTRODUCTION

### 1.1 General

- 1.1.1 China International Water & Electric Corp. (CIWEC) has been commissioned by the Civil Engineering and Development Department (CEDD) under Contract No. CV/2007/06 to carry out demolition and decontamination works for the Kwai Chung Incineration Plant (KCIP). This report focuses on the biopile cleanup progress monitoring of the Contract.

## 1.2 Background

- 1.2.1 The EIA Report was approved under the EIAO on 9 January 2002. An Environmental Permit (EP-121/2002) was issued on 1 March 2002 by the DEP. During the EIA stage, preliminary site investigation was carried out, which identified the general nature and approximate extent of contamination, both within the structures and below ground level.
- 1.2.2 Subsequent to the approved EIA, further site investigation (SI) was carried out in the detailed design stage which intended to collect more samples to assess the degree of hazards. A further SI Plan and a Final Site Investigation Report – Kwai Chung Incineration Plant were prepared and approved by the EPD on November 2002 and March 2004 respectively. Both the further SI Plan and the Final Site Investigation Report – Kwai Chung Incineration Plant were prepared using the Dutch B of the Netherland as contamination assessment criteria as reference in the Practice Note for Professional Persons for Contaminated Land Assessment and Remediation, ProPECC PN3/94 issued by the EPD in 1994.
- 1.2.3 In year 2007 a new guidance on Risk-Based Remediation Goals (RBRGs) for contaminated land management was promulgated. As such, the RBRGs approach is to be adopted instead of Dutch B levels for site investigation.
- 1.2.4 With reference to Condition 2.11 of the Environmental Permit EP-121/2002/A, remediation of contaminated soil shall be carried out by applying methodology and standards based on RBRGs and the Permit Holder is required to submit Contamination Assessment Report and Remediation Action Plan (CAR/RAP) prior to the commencement of remediation works.
- 1.2.5 In November 2009, after discussion with the project team of Mott MacDonald Hong Kong Limited (MMHK), the Engineer for Contract No. CV/2007/06, it was confirmed that a "RBRG for Contaminated Land Management Contamination Assessment Report (CAR) and Remediation Action Plan (RAP) at Kwai Chung Incineration Plant (August 2009) (Ref: 203204/KCIP/RBRG/04/E) (CAR/RAP) was prepared and submitted to EPD. It was subsequently approved by the EPD. Based on the CAR-RAP, contaminated soil at the KCIP site shall be treated by series of solidification and/or bioremediation.
- 1.2.6 Variation Order No. 8 (ref. KMY/PEJ/SHC/YKO/mc/C203204.KCIP.09/L-0311) was issued by the Engineer on 31 December 2009 that ground decontamination works shall be carried out in accordance with the latest version of Environmental Permit and the approved Contamination Assessment Report/Remediation Action Plan.

- 1.2.7 This Biopile Cleanup Progress Monitoring Report is prepared with reference to the RBRGs approach in accordance with the latest Environmental Permit EP-121/2002/A and the CAR/RAP requirements.

### 1.3 Scope of Works

- 1.3.1 In accordance with PS Clause 31.29 and PS Clause 31.31, a **Biopile operation monitoring progress report** shall be prepared. The report shall contain the results of all operation monitoring and cleanup progress records, and the report shall be prepared and submitted by the Contractor to the Engineer within 14 days of the receipt of all analytical results.
- 1.3.2 This monitoring report covers monitoring period from 8 December 2010 to 7 January 2011. This monitoring report will focus on the interpretation of monitoring for Biopile No. 1, as Biopile No. 2 only commenced operation on 6 January 2011, monitoring and interpretation of monitoring data for Biopile No. 2 shall be covered in the forthcoming monitoring report. As the soil sampling will be carried out after 60 days of the operation, the sample analysis will also be covered in the forthcoming monitoring report.

## 2 CHRONOLOGY OF EVENTS

### 2.1 Record of Site Activities

- 2.1.1 During 8 December 2010 to 7 January 2011, Biopile No. 1 and Biopile No. 2 were commenced and operated on 8 December 2010, and 6 January 2011 respectively.
- 2.1.2 The system operational settings during the period of operation are summarized as follows:
- 29 and 30 Nov 2010: Testing and commissioning of Biopile Blower System
  - 8 Dec 2010: Commencement of Biopile No. 1
  - 3 and 4 January 2011: checking of pipeworks for Biopile No. 2
  - 6 Jan 2011: Commencement of Biopile No. 2

### 2.2 Routine Monitoring

- 2.2.1 Routine monitoring for both Biopile No. 1 and Biopile No. 2 were performed by biopile operating staffs according to the predetermined schedule. Schedule of routine monitoring covering the period from 8 December 2010 to 7 January 2011 is included in Appendix A.

## 3 SUMMARY OF OPERATIONS

### 3.1 Comments on the Overall Biopile Decontamination System Operation

- 3.1.1 During the period of 8 December 2010 and 7 January 2011, Biopile No. 1 and Biopile No. 2 commenced operation on 8 December 2010, and 6 January 2011 respectively. The biopile decontamination systems operated continuously with no days of shutdown.
- 3.1.2 During the formation and operation, no addition of nutrients (i.e. nitrogen and phosphorus) and other additives (i.e. sawdust and compost) were added to both Biopile No.1 and Biopile No. 2, as per the recommendations in the Biopile Treatability Test Report.

- 3.1.3 During the period of operation, only Blower No. 1 was in operation. From 8 December 2010 to 5 January 2011, Blower No. 1 was in operation servicing only Biopile No. 1. From 6 January 2011, Blower No. 1 was in operation servicing both Biopile No. 1 and Biopile No. 2. The average flow rate of Blower No. 1 was approximately 1,000 ft/min (i.e. 9.4 to 15.7 scmm) which is greater than the recommended minimum aeration requirement of 1.316 scmm for each 1,000m<sup>3</sup> of biopile soil from the biopile treatability test as explained below.

- 3.1.4 Based on experiences of biopile operation, higher than the recommended biopile blower flow rate from the biopile treatability test is usually required due to a number of reasons including:

1. The loading of actual biopile formation is much greater than that of laboratory scale, thus a greater suction force is required to achieve the aeration requirement; and
  2. The heterogeneous nature of soil may result in cluster formation within the biopile, thus a suction force is required to achieve the aeration requirement.
- 3.1.5 Nonetheless, the higher than recommended biopile blower flow rate is not expected to adversely affect the biopile system operation. The important aspect of aeration is rather to achieve the oxygen level of 15 to 20%, which during the operation period, the oxygen level is within acceptable range.

### 3.2 Comments on Maintenance Activities

- 3.2.1 Maintenance of the biopile decontamination equipment (including the blower systems, activated carbon filter system and the power generator) is carried out in accordance with the manufacturers' recommendations. During the period of operation, regular checks were under taken of the blower lubricating oil and discharge temperatures, and generator lubricating oil and coolant level.

#### 4 SUMMARY OF PROGRESS MONITORING DATA

##### 4.1 Daily Monitoring

###### Air Flow Rate

4.1.1 Air flow rate is monitored daily during the operation period. Daily monitoring records are included in Appendix B. The monitoring of air flow rate is carried out through the flow meter installed within the biopile decontamination system. Location of air flow monitoring is indicated in Appendix B. Air flow rate of the biopile blower can be read from the flow meter of the biopile decontamination system. It is observed that one biopile-blower, Blower-No.-1 has been operated at an average-flow-rate-of-approximately 1,000 ft<sup>3</sup>/min. (i.e. 9.4 to 15.7 scfm) which is greater than the recommended minimum aeration requirement of 1.316 scfm for each 1,000m<sup>3</sup> of biopile soil from the biopile treatability test.

4.1.2 The higher than recommended biopile blower flow rate is not expected to adversely affect the biopile system operation, and the blower system is being able maintain the oxygen level within the acceptable operating range of 15 to 20% as per recommended from the Biopile Treatability Test Report.

###### Soil Temperature

4.1.3 Soil temperature is monitored daily during the operation period. Daily monitoring records and record of ambient temperature are included in Appendix B. The monitoring of soil temperature is carried out through the built-in temperature sensors within the biopile decontamination system. Location of built-in temperature sensors within the biopile decontamination system is indicated in Appendix B. Soil temperature of the biopile decontamination system can be identified through the control panel of the biopile decontamination system. It is observed that the soil temperature of Biopile No. 1 is on average 24-30°C.

4.1.4 Based on recommendations from the Biopile Treatability Test Report, it is known that optimal temperature for microbial activity and biodegradation is approximately between 30°C-40°C, and the higher the soil temperature usually indicate the higher the microbial activity within the biopile soil.

4.1.5 Albeit the current average ambient temperature over the monitoring period of 16.5°C (Source: Hong Kong Observatory and self monitored data), the recorded soil temperature within Biopile No. 1 of 6-13°C higher than the ambient temperature indicates microbial activity is active. Moreover, when comparing with the soil temperature recorded from the biopile treatability test that was carried out under laboratory condition of around 20°C to 23°C, the soil temperature recorded for Biopile No. 1 for the current operating period revealed positive microbial responses.

##### 4.2 Soil Gas Monitoring

4.2.1 Soil gas monitoring was performed on 8, 11, 15, 18, 22, 27, 29 December 2010, and 5 January 2011. Table 1 summarised the average and range of soil gas monitoring over the monitoring period. Soil gas monitoring records are included in Appendix C. Locations and method statements for soil gas monitoring are included in Appendix D.

Table 1 Summary of Soil Gas Monitoring and Interpretation

Monitoring Parameters	Average Monitoring Data	Range of Monitoring Data	Expected Average Monitoring Condition	Interpretation of Data
Oxygen (O <sub>2</sub> ) (%)	19.4	5.6 - 21.8	15 - 20	Operation inline with the treatability test
Carbon Dioxide (CO <sub>2</sub> ) (ppm)	1694	0.00 - 26800	Not Available	
Carbon Monoxide (CO) (%)	0	0 - 0	< 0.01 (Trace gas exists in ambient)	
Methane (CH <sub>4</sub> ) (%)	0	0 - 0	< 0.01 (Trace gas exists in ambient)	
Volatile Organic Carbon (VOC) (ppm)	0	0 - 0	< 1ppm (Based on Biopile Commissioning Report)	Operation inline with Biopile Commissioning Report

###### Oxygen (O<sub>2</sub>)

4.2.2 In general, the monitoring of O<sub>2</sub> level indicated a steady trend of O<sub>2</sub> level over the monitoring period. The average O<sub>2</sub> level is monitored over the monitoring period is 19.4% which is within the acceptable range of 15-20%, the steady trend and the average O<sub>2</sub> level indicated that the biopile decontamination system is operated with sufficient air flow rate.

4.2.3 There were some monitored locations with lower O<sub>2</sub> level may indicate soil within the particular area may of low porosity. The locations recorded towards the low oxygen range are considered minor and expected due to the heterogeneous nature of the hydrocarbons contaminated soil. At this stage, as the biopile soil is "adjusting" to the new environment, it is considered that this condition shall not affect the overall progress of bioremediation. However, routine monitoring shall continue to observe the condition and air flow sufficiency. The overall operation of the biopile decontamination system is considered normal.

###### Carbon dioxide (CO<sub>2</sub>)

4.2.4 In general, the monitoring of CO<sub>2</sub> shows that CO<sub>2</sub> level is decreased over time during the monitoring period. Based on the biopile treatability test (respiratory test section) performed on the laboratory condition, it is known that the CO<sub>2</sub> is produced as microorganism / bacteria degrade the hydrocarbons contaminants. However, under the biopile treatability test (column test section), as air exchange is provided, CO<sub>2</sub> level is expected to decrease over time during the operation of the biopile decontamination system. The monitored CO<sub>2</sub> data indicated the biopile decontamination is operating sufficiently.

###### Carbon monoxide (CO)

4.2.5 Monitoring of carbon monoxide (CO) was performed as per the monitoring schedule. The monitoring data indicate CO was not recorded during the monitoring period. This indicated that no toxic gaseous compound was built up during the degradation of hydrocarbons contaminated soil within the biopile. Biopile No. 1 is therefore safe to

operate continuously. However, it is recommended to maintain routine monitoring of CO to observe any changes that may be possible.

#### Methane (CH<sub>4</sub>)

4.2.6 Monitoring of methane (CH<sub>4</sub>) was performed as per the monitoring schedule. The monitoring data indicate CH<sub>4</sub> was not recorded during the monitoring period. This indicated that no toxic and explosive gaseous compound was built up during the degradation of hydrocarbons contaminated soil within the biopile. Biopile No. 1 is therefore safe to operate continuously. However, it is recommended to maintain routine monitoring of CH<sub>4</sub> to observe any changes that may be possible.

#### Volatile Organic Carbon (VOC)

4.2.7 Monitoring of volatile organic carbon (VOC) was performed as per the monitoring schedule. The monitoring data indicate VOC was not recorded during the monitoring period. This indicated that no toxic and explosive gaseous compound was built up during the degradation of hydrocarbons contaminated soil within the biopile. Biopile No. 1 is therefore safe to operate continuously. However, it is recommended to maintain routine monitoring of VOC to observe any changes that may be possible.

4.2.8 In addition, in accordance with PS Clause 31.28 (6), the carbon filter system as part of the biopile decontamination system shall be designed, constructed, operated and maintained to ensure VOC removal efficiency of 99% is achievable in order to prevent air pollution impact to the surrounding air sensitive receivers (ASRs). Based on the commissioning test of the biopile decontamination system performed on 29 to 30 November 2010, in order to achieve VOC removal efficiency of 99%, VOC emission at the exhaust shall not exceed 1ppm.

4.2.9 As such real-time VOC monitoring is installed at the exhaust of the biopile decontamination system. During the monitoring period, VOC emission at the exhaust is recorded to 0. Location of monitoring is indicated in Appendix B.

### 4.3 Soil Sampling

4.3.1 Soil sampling was not carried out during the monitoring period from 8 December 2010 to 7 January 2011. Due to the heterogeneous nature of biopile soil, as per the recommendation from the Biopile Treatability Test Report, the first soil samples monitoring shall be carried out after 60 days of operation in order to obtain more meaningful result. It is expected the first soil sampling exercise shall be carried out in the week of 14 to 19 February 2011. The parameters of soil sampling, sampling methodology and the analytical methodology shall be in accordance with the latest approved Biopile Operation Monitoring Plan.

### 4.4 Leachate Sampling

4.4.1 Leachate sampling was not carried out during the monitoring period from 8 December 2010 to 7 January 2011. Due to the heterogeneous nature of biopile soil, as per the

recommendation from the Biopile Treatability Test Report, the first leachate samples monitoring shall be carried out after 60 days of operation in order to obtain more meaningful result. It is expected the first leachate sampling exercise shall be carried out in the week of 14 to 19 February 2011. The parameters of leachate sampling, sampling methodology and the analytical methodology shall be in accordance with the latest approved Biopile Operation Monitoring Plan.



## 5 ISSUES FOR FUTURE MANAGEMENT OF DECONTAMINATION SYSTEM

5.1.1 Based on the currently available monitored data, it is considered the biopile operation of Biopile No. 1 is generally in line with the recommended operating conditions in the biopile treatability test report. The average oxygen level is maintained at 19.2%, which is well within the acceptable range of 15 to 20%, coupled with the average temperature of 24 to 30°C also indicates there are significant microbial activities within the biopile soil.

5.1.2 While these are good indications of biopile operation, more accurate correlation can only be confirmed by soil and leachate sampling and laboratory analysis. In the forthcoming operating period, soil and leachate sampling followed by laboratory analysis is expected to be carried out during the week of 14 to 19 February 2011.

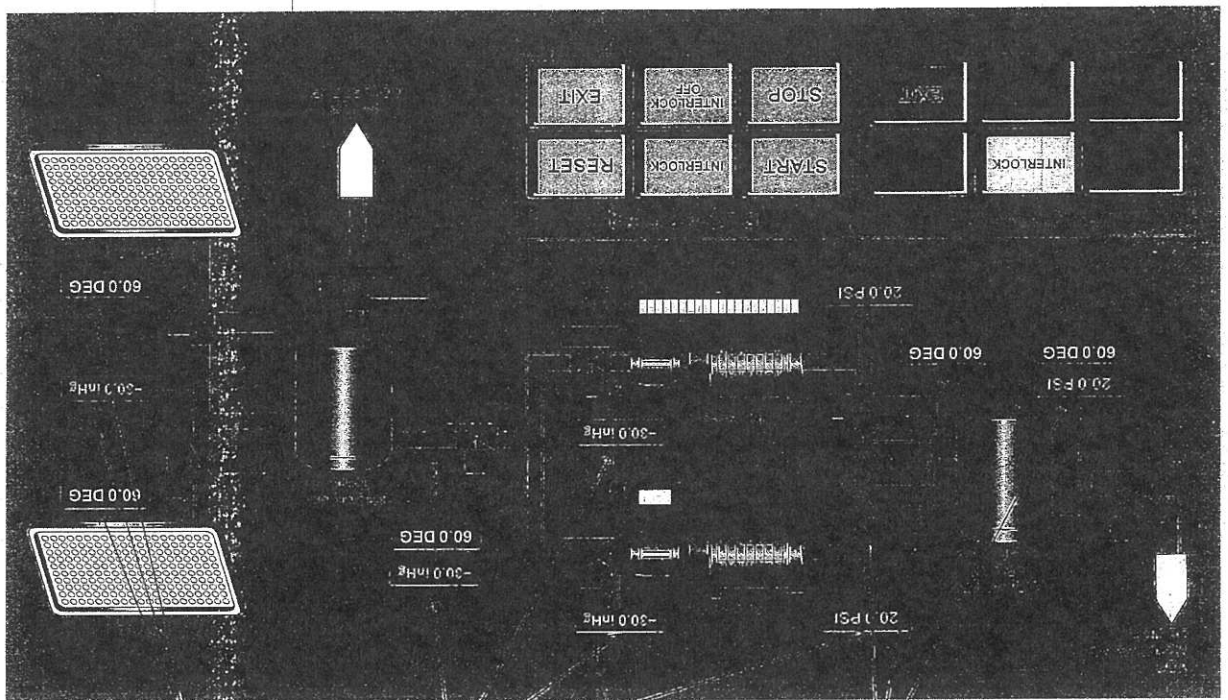
## Appendix

## Appendix A Schedule of Operation and Progress Monitoring



Sun 星期日	Mon 星期一	Tues 星期二	Wed 星期三	Thur 星期四	Fri 星期五	Sat 星期六
						Daily Monitoring (8hrs) 1
2	3	4	5	6	7	8
Daily Monitoring (8hrs)	Daily Monitoring (8hrs)	Daily Monitoring (8hrs)	Daily Monitoring (8hrs)	Daily Monitoring (8hrs)	Daily Monitoring (8hrs)	Daily Monitoring (8hrs)
			Commencement Biopile No. 2			
9	10	11	12	13	14	15
Daily Monitoring (8hrs)	Daily Monitoring (8hrs)	Daily Monitoring (8hrs)	Daily Monitoring (8hrs)	Daily Monitoring (8hrs)	Daily Monitoring (8hrs)	Daily Monitoring (8hrs)
16	17	18	19	20	21	22
Daily Monitoring (8hrs)	Daily Monitoring (8hrs)	Daily Monitoring (8hrs)	Daily Monitoring (8hrs)	Daily Monitoring (8hrs)	Daily Monitoring (8hrs)	Daily Monitoring (8hrs)
23	24	25	26	27	28	29
Daily Monitoring (8hrs)	Daily Monitoring (8hrs)	Daily Monitoring (8hrs)	Daily Monitoring (8hrs)	Daily Monitoring (8hrs)	Daily Monitoring (8hrs)	Daily Monitoring (8hrs)
30	31					
Daily Monitoring (8hrs)	Daily Monitoring (8hrs)					

**Appendix B**  
**Location of Daily Monitoring**  
**Operation Monitoring Record Sheet**



Location of Air Flow Rate and Temperature Monitoring

Contract No. CV200706  
 Xcel Chang Incubation Plant Demolition and Decommission Work  
 Biologic Instrumentation Daily Monitoring Form

Location	Parameter	Monitoring ID	Units	Range	Reading	Remarks
Biologic 1	Blower 1A (inlet)	RP1 B1-T	Inches of Hg	-10.0 - 0.31	-0.31	
Biologic 1	Blower 1B (inlet)	RP1 B1-T	Inches of Hg	-10.0 - 0.31	-0.31	
Biologic 1	Blower 1A (outlet)	RP1 B1-O	psi	0 - 150	0	
Biologic 1	Blower 1B (outlet)	RP1 B1-O	psi	0 - 150	0	
Biologic 1	Blower 1A (static)	RP1 B1-S	psi	0 - 150	0	
Biologic 1	Blower 1B (static)	RP1 B1-S	psi	0 - 150	0	
Biologic 1	Blower 1A (temp)	RP1 B1-T	°C	0 - 150	0	
Biologic 1	Blower 1B (temp)	RP1 B1-T	°C	0 - 150	0	
Biologic 2	Blower 2A (inlet)	RP2 B2-T	Inches of Hg	-10.0 - 0.31	-0.31	
Biologic 2	Blower 2B (inlet)	RP2 B2-T	Inches of Hg	-10.0 - 0.31	-0.31	
Biologic 2	Blower 2A (outlet)	RP2 B2-O	psi	0 - 150	0	
Biologic 2	Blower 2B (outlet)	RP2 B2-O	psi	0 - 150	0	
Biologic 2	Blower 2A (static)	RP2 B2-S	psi	0 - 150	0	
Biologic 2	Blower 2B (static)	RP2 B2-S	psi	0 - 150	0	
Biologic 2	Blower 2A (temp)	RP2 B2-T	°C	0 - 150	0	
Biologic 2	Blower 2B (temp)	RP2 B2-T	°C	0 - 150	0	
Knockout Tank	Manifold Pressure	RP2 B2-T	Inches of Hg	-10.0 - 0.31	-0.31	
Knockout Tank	Temperature	RP2 B2-T	°C	0 - 150	0	
Knockout Tank	Static Pressure	RP2 B2-S	psi	0 - 150	0	
Activated Carbon Filter	Temperature	RP2 B2-T	°C	0 - 150	0	
Carbon Filter	Static Pressure	RP2 B2-S	psi	0 - 150	0	
Tank	Static Pressure	RP2 B2-S	psi	0 - 150	0	
Monitoring Performed by: [Signature]						
Data Entered by: [Signature]						
Check on Data Entry by: [Signature]						
Copy/Dispatch for backup by: [Signature]						
Remarks:						

Contract No. CV200706  
 Xcel Chang Incubation Plant Demolition and Decommission Work  
 Biologic Instrumentation Daily Monitoring Form

Location	Parameter	Monitoring ID	Units	Range	Reading	Remarks
Biologic 1	Blower 1A (inlet)	RP1 B1-T	Inches of Hg	-10.0 - 0.31	-0.31	
Biologic 1	Blower 1B (inlet)	RP1 B1-T	Inches of Hg	-10.0 - 0.31	-0.31	
Biologic 1	Blower 1A (outlet)	RP1 B1-O	psi	0 - 150	0	
Biologic 1	Blower 1B (outlet)	RP1 B1-O	psi	0 - 150	0	
Biologic 1	Blower 1A (static)	RP1 B1-S	psi	0 - 150	0	
Biologic 1	Blower 1B (static)	RP1 B1-S	psi	0 - 150	0	
Biologic 1	Blower 1A (temp)	RP1 B1-T	°C	0 - 150	0	
Biologic 1	Blower 1B (temp)	RP1 B1-T	°C	0 - 150	0	
Biologic 2	Blower 2A (inlet)	RP2 B2-T	Inches of Hg	-10.0 - 0.31	-0.31	
Biologic 2	Blower 2B (inlet)	RP2 B2-T	Inches of Hg	-10.0 - 0.31	-0.31	
Biologic 2	Blower 2A (outlet)	RP2 B2-O	psi	0 - 150	0	
Biologic 2	Blower 2B (outlet)	RP2 B2-O	psi	0 - 150	0	
Biologic 2	Blower 2A (static)	RP2 B2-S	psi	0 - 150	0	
Biologic 2	Blower 2B (static)	RP2 B2-S	psi	0 - 150	0	
Biologic 2	Blower 2A (temp)	RP2 B2-T	°C	0 - 150	0	
Biologic 2	Blower 2B (temp)	RP2 B2-T	°C	0 - 150	0	
Knockout Tank	Manifold Pressure	RP2 B2-T	Inches of Hg	-10.0 - 0.31	-0.31	
Knockout Tank	Temperature	RP2 B2-T	°C	0 - 150	0	
Knockout Tank	Static Pressure	RP2 B2-S	psi	0 - 150	0	
Activated Carbon Filter	Temperature	RP2 B2-T	°C	0 - 150	0	
Carbon Filter	Static Pressure	RP2 B2-S	psi	0 - 150	0	
Tank	Static Pressure	RP2 B2-S	psi	0 - 150	0	
Monitoring Performed by: [Signature]						
Data Entered by: [Signature]						
Check on Data Entry by: [Signature]						
Copy/Dispatch for backup by: [Signature]						
Remarks:						

Contract No. CV200706  
 Xcel Chang Incubation Plant Demolition and Decommission Work  
 Biologic Instrumentation Daily Monitoring Form

Location	Parameter	Monitoring ID	Units	Range	Reading	Remarks
Biologic 1	Blower 1A (inlet)	RP1 B1-T	Inches of Hg	-10.0 - 0.31	-0.31	
Biologic 1	Blower 1B (inlet)	RP1 B1-T	Inches of Hg	-10.0 - 0.31	-0.31	
Biologic 1	Blower 1A (outlet)	RP1 B1-O	psi	0 - 150	0	
Biologic 1	Blower 1B (outlet)	RP1 B1-O	psi	0 - 150	0	
Biologic 1	Blower 1A (static)	RP1 B1-S	psi	0 - 150	0	
Biologic 1	Blower 1B (static)	RP1 B1-S	psi	0 - 150	0	
Biologic 1	Blower 1A (temp)	RP1 B1-T	°C	0 - 150	0	
Biologic 1	Blower 1B (temp)	RP1 B1-T	°C	0 - 150	0	
Biologic 2	Blower 2A (inlet)	RP2 B2-T	Inches of Hg	-10.0 - 0.31	-0.31	
Biologic 2	Blower 2B (inlet)	RP2 B2-T	Inches of Hg	-10.0 - 0.31	-0.31	
Biologic 2	Blower 2A (outlet)	RP2 B2-O	psi	0 - 150	0	
Biologic 2	Blower 2B (outlet)	RP2 B2-O	psi	0 - 150	0	
Biologic 2	Blower 2A (static)	RP2 B2-S	psi	0 - 150	0	
Biologic 2	Blower 2B (static)	RP2 B2-S	psi	0 - 150	0	
Biologic 2	Blower 2A (temp)	RP2 B2-T	°C	0 - 150	0	
Biologic 2	Blower 2B (temp)	RP2 B2-T	°C	0 - 150	0	
Knockout Tank	Manifold Pressure	RP2 B2-T	Inches of Hg	-10.0 - 0.31	-0.31	
Knockout Tank	Temperature	RP2 B2-T	°C	0 - 150	0	
Knockout Tank	Static Pressure	RP2 B2-S	psi	0 - 150	0	
Activated Carbon Filter	Temperature	RP2 B2-T	°C	0 - 150	0	
Carbon Filter	Static Pressure	RP2 B2-S	psi	0 - 150	0	
Tank	Static Pressure	RP2 B2-S	psi	0 - 150	0	
Monitoring Performed by: [Signature]						
Data Entered by: [Signature]						
Check on Data Entry by: [Signature]						
Copy/Dispatch for backup by: [Signature]						
Remarks:						

Location	Parameter	Monitoring ID	Units	Range	Reading	Remarks
Biocline 1 Blower 1/2 (inlet)	Vacuum Pressure	BP1 / B1-1	inches of Hg	-10.0 - 0	-0.51	
Biocline 1 Blower 1/2 (outlet)	Temperature	BP1 / B1-1	°C	0 - 150	14.6	
Biocline 1 Blower 1/2 (outlet)	Static Pressure	BP1 / B1-1	mm	0 - 30	17.3	
Biocline 1 Blower 1/2 (outlet)	Flow Rate	BP1 / B1-1	ft <sup>3</sup> /min	0 - 100	1.1	
Biocline 1 Blower 1/2 (outlet)	Vacuum Pressure	BP1 / B1-1	inches of Hg	-10.0 - 0	0	
Biocline 2 Blower 2/2 (inlet)	Temperature	BP2 / B2-1	°C	0 - 150	16.1	
Biocline 2 Blower 2/2 (outlet)	Static Pressure	BP2 / B2-1	mm	0 - 30	0	
Biocline 2 Blower 2/2 (outlet)	Flow Rate	BP2 / B2-1	ft <sup>3</sup> /min	0 - 100	0	
Biocline 2 Blower 2/2 (outlet)	Vacuum Pressure	BP2 / B2-1	inches of Hg	-10.0 - 0	0	
inlet before Tee to both biocline blowers	Vacuum Extraction Manifold Pressure	BP2 / B2-1	inches of Hg	-10.0 - 0	-0.46	
Knockout Tank	Vacuum Pressure		inches of Hg	-10.0 - 0	-0.24	
Knockout Tank Inlet	Temperature		°C	0 - 150	2.3	
Knockout Tank Outlet	Temperature		°C	0 - 150	15.3	
Activated Carbon Filter Tank	Static Pressure		mm	0 - 150	16.1	
Monitoring Performed by	ZL					
Date Entered by	2011-07-21					
Check on Data Entry by	Date of Check					
Copy/Dispatch for backup by	Time of Backup					
Remarks:						

Location	Parameter	Monitoring ID	Units	Range	Reading	Remarks
Biocline 1 Blower 1/2 (inlet)	Vacuum Pressure	BP1 / B1-1	inches of Hg	-10.0 - 0	0.33	
Biocline 1 Blower 1/2 (outlet)	Temperature	BP1 / B1-1	°C	0 - 150	14.2	
Biocline 1 Blower 1/2 (outlet)	Static Pressure	BP1 / B1-1	mm	0 - 30	16.3	
Biocline 1 Blower 1/2 (outlet)	Flow Rate	BP1 / B1-1	ft <sup>3</sup> /min	0 - 100	1.1	
Biocline 2 Blower 2/2 (inlet)	Temperature	BP2 / B2-1	°C	0 - 150	15.1	
Biocline 2 Blower 2/2 (outlet)	Static Pressure	BP2 / B2-1	mm	0 - 30	0	
Biocline 2 Blower 2/2 (outlet)	Flow Rate	BP2 / B2-1	ft <sup>3</sup> /min	0 - 100	0	
Biocline 2 Blower 2/2 (outlet)	Vacuum Pressure	BP2 / B2-1	inches of Hg	-10.0 - 0	0	
inlet before Tee to both biocline blowers	Vacuum Extraction Manifold Pressure	BP2 / B2-1	inches of Hg	-10.0 - 0	-0.24	
Knockout Tank	Vacuum Pressure		inches of Hg	-10.0 - 0	-0.24	
Knockout Tank Inlet	Temperature		°C	0 - 150	14.2	
Knockout Tank Outlet	Temperature		°C	0 - 150	14.2	
Activated Carbon Filter Tank	Static Pressure		mm	0 - 150	16.3	
Monitoring Performed by	ZL					
Date Entered by	2011-07-21					
Check on Data Entry by	Date of Check					
Copy/Dispatch for backup by	Time of Backup					
Remarks:						

Location	Parameter	Monitoring ID	Units	Range	Reading	Remarks
Biocline 1 Blower 1/2 (inlet)	Vacuum Pressure	BP1 / B1-1	inches of Hg	-10.0 - 0	-0.31	
Biocline 1 Blower 1/2 (outlet)	Temperature	BP1 / B1-1	°C	0 - 150	14.4	
Biocline 1 Blower 1/2 (outlet)	Static Pressure	BP1 / B1-1	mm	0 - 30	17.4	
Biocline 1 Blower 1/2 (outlet)	Flow Rate	BP1 / B1-1	ft <sup>3</sup> /min	0 - 100	1.1	
Biocline 2 Blower 2/2 (inlet)	Temperature	BP2 / B2-1	°C	0 - 150	12.3	
Biocline 2 Blower 2/2 (outlet)	Static Pressure	BP2 / B2-1	mm	0 - 30	16.4	
Biocline 2 Blower 2/2 (outlet)	Flow Rate	BP2 / B2-1	ft <sup>3</sup> /min	0 - 100	0	
Biocline 2 Blower 2/2 (outlet)	Vacuum Pressure	BP2 / B2-1	inches of Hg	-10.0 - 0	0	
inlet before Tee to both biocline blowers	Vacuum Extraction Manifold Pressure	BP2 / B2-1	inches of Hg	-10.0 - 0	-0.24	
Knockout Tank	Vacuum Pressure		inches of Hg	-10.0 - 0	-0.24	
Knockout Tank Inlet	Temperature		°C	0 - 150	14.6	
Knockout Tank Outlet	Temperature		°C	0 - 150	14.6	
Activated Carbon Filter Tank	Static Pressure		mm	0 - 150	16.3	
Monitoring Performed by	ZL					
Date Entered by	2011-07-21					
Check on Data Entry by	Date of Check					
Copy/Dispatch for backup by	Time of Backup					
Remarks:						



Location	Parameter	Monitoring ID	Units	Range	Reading	Remarks
Biocline 1	Vacuum Pressure	B/P1	inches of Hg	-10.0 to 0	0.31	
Biocline 1	Temperature	B/T1	°C	0-150	14.5	
Biocline 1	Static Pressure	B/S1	psi	0-30	0.71	
Biocline 1	Flow Rate	B/R1	ft <sup>3</sup> /min	0-150	1.04	
Biocline 1	Temperature	B/T1	°C	0-150	15.2	
Biocline 2	Vacuum Pressure	B/P2	inches of Hg	-10.0 to 0	0.31	
Biocline 2	Temperature	B/T2	°C	0-150	14.5	
Biocline 2	Static Pressure	B/S2	psi	0-30	0	
Biocline 2	Flow Rate	B/R2	ft <sup>3</sup> /min	0-150	0	
Biocline 2	Temperature	B/T2	°C	0-150	15.2	
Inlet before Tee to both biocline blowers	Vacuum Pressure	B/P	inches of Hg	-10.0 to 0	0.34	
Knockout Tank	Vacuum Pressure	B/P	inches of Hg	-10.0 to 0	0.34	
Outlet	Temperature	B/T	°C	0-150	14.5	
Inlet	Temperature	B/T	°C	0-150	15.2	
Outlet	Temperature	B/T	°C	0-150	15.2	
Carbon Filter	Temperature	B/T	°C	0-150	15.2	
Outlet	Temperature	B/T	°C	0-150	15.2	
Tank	Static Pressure	B/S	PSI	0-15	0.14	

Monitoring Performed by: \_\_\_\_\_  
 Date Entered by: \_\_\_\_\_  
 Check on Data Entry by: \_\_\_\_\_  
 Copy/Dispatch for backup by: \_\_\_\_\_

Remarks: \_\_\_\_\_

Location	Parameter	Monitoring ID	Units	Range	Reading	Remarks
Biocline 1	Vacuum Pressure	B/P1	inches of Hg	-10.0 to 0	0.31	
Biocline 1	Temperature	B/T1	°C	0-150	14.5	
Biocline 1	Static Pressure	B/S1	psi	0-30	0.71	
Biocline 1	Flow Rate	B/R1	ft <sup>3</sup> /min	0-150	1.04	
Biocline 1	Temperature	B/T1	°C	0-150	15.2	
Biocline 2	Vacuum Pressure	B/P2	inches of Hg	-10.0 to 0	0	
Biocline 2	Temperature	B/T2	°C	0-150	14.5	
Biocline 2	Static Pressure	B/S2	psi	0-30	0	
Biocline 2	Flow Rate	B/R2	ft <sup>3</sup> /min	0-150	0	
Biocline 2	Temperature	B/T2	°C	0-150	15.2	
Inlet before Tee to both biocline blowers	Vacuum Pressure	B/P	inches of Hg	-10.0 to 0	0.24	
Knockout Tank	Vacuum Pressure	B/P	inches of Hg	-10.0 to 0	0.3	
Outlet	Temperature	B/T	°C	0-150	14.5	
Inlet	Temperature	B/T	°C	0-150	15.2	
Outlet	Temperature	B/T	°C	0-150	15.2	
Carbon Filter	Temperature	B/T	°C	0-150	15.2	
Outlet	Temperature	B/T	°C	0-150	15.2	
Tank	Static Pressure	B/S	PSI	0-15	0.36	

Monitoring Performed by: \_\_\_\_\_  
 Date Entered by: \_\_\_\_\_  
 Check on Data Entry by: \_\_\_\_\_  
 Copy/Dispatch for backup by: \_\_\_\_\_

Remarks: \_\_\_\_\_

Location	Parameter	Monitoring ID	Units	Range	Reading	Remarks
Biocline 1	Vacuum Pressure	B/P1	inches of Hg	-10.0 to 0	0.31	
Biocline 1	Temperature	B/T1	°C	0-150	14.5	
Biocline 1	Static Pressure	B/S1	psi	0-30	0.71	
Biocline 1	Flow Rate	B/R1	ft <sup>3</sup> /min	0-150	1.04	
Biocline 1	Temperature	B/T1	°C	0-150	15.2	
Biocline 2	Vacuum Pressure	B/P2	inches of Hg	-10.0 to 0	0.31	
Biocline 2	Temperature	B/T2	°C	0-150	14.5	
Biocline 2	Static Pressure	B/S2	psi	0-30	0	
Biocline 2	Flow Rate	B/R2	ft <sup>3</sup> /min	0-150	0	
Biocline 2	Temperature	B/T2	°C	0-150	15.2	
Inlet before Tee to both biocline blowers	Vacuum Pressure	B/P	inches of Hg	-10.0 to 0	0.34	
Knockout Tank	Vacuum Pressure	B/P	inches of Hg	-10.0 to 0	0.34	
Outlet	Temperature	B/T	°C	0-150	14.5	
Inlet	Temperature	B/T	°C	0-150	15.2	
Outlet	Temperature	B/T	°C	0-150	15.2	
Carbon Filter	Temperature	B/T	°C	0-150	15.2	
Outlet	Temperature	B/T	°C	0-150	15.2	
Tank	Static Pressure	B/S	PSI	0-15	0.36	

Monitoring Performed by: \_\_\_\_\_  
 Date Entered by: \_\_\_\_\_  
 Check on Data Entry by: \_\_\_\_\_  
 Copy/Dispatch for backup by: \_\_\_\_\_

Remarks: \_\_\_\_\_

Kwan Chung Incineration Plant Decommission and Decommissioning Works  
Biogas Instrumentation Daily Monitoring Form

Location	Parameter	Monitoring ID	Units	Range	Reading	Remarks
Biogas 1	Blower IA (inlet)	B/P 1/B-1-1	Vacuum Pressure	inches of Hg	-10.0	
Biogas 1	Blower IA (outlet)	B/P 1/B-1-2	Temperature	°C	72.3	
Biogas 1	Blower IA (outlet)	B/P 1/B-1-3	Static Pressure	psf	14.6	
Biogas 1	Blower IA (outlet)	B/P 1/B-1-4	Flow Rate	SCFM	14.7	
Biogas 2	Blower IA (inlet)	B/P 2/B-2-1	Vacuum Pressure	inches of Hg	-10.0	
Biogas 2	Blower IA (outlet)	B/P 2/B-2-2	Temperature	°C	71.5	
Biogas 2	Blower IA (outlet)	B/P 2/B-2-3	Static Pressure	psf	14.6	
Biogas 2	Blower IA (outlet)	B/P 2/B-2-4	Flow Rate	SCFM	14.6	
Biogas 2	Blower IA (outlet)	B/P 2/B-2-5	Temperature	°C	72.3	
Biogas 2	Blower IA (outlet)	B/P 2/B-2-6	Vacuum Extraction	inches of Hg	-10.0	
Biogas 2	Blower IA (outlet)	B/P 2/B-2-7	Manifold Pressure	°C	74.6	
Knockout Tank	Inlet		Vacuum Pressure	inches of Hg	-10.0	
Knockout Tank	Outlet		Temperature	°C	74.7	
Activated Carbon Filter	Inlet		Temperature	°C	74.7	
Carbon Tank	Outlet		Temperature	°C	74.7	
Carbon Tank	Outlet		Static Pressure	PSI	17.7	
Carbon Tank	Outlet		Static Pressure	PSI	17.7	
Carbon Tank	Outlet		Static Pressure	PSI	17.7	

Monitoring Performed by: [Signature]  
 Date Entered by: [Signature]  
 Check on Data Entry by: [Signature]  
 Copy/Dispatch for Backup by: [Signature]

Remarks: [Blank]

Kwan Chung Incineration Plant Decommission and Decommissioning Works  
Biogas Instrumentation Daily Monitoring Form

Location	Parameter	Monitoring ID	Units	Range	Reading	Remarks
Biogas 1	Blower IA (inlet)	B/P 1/B-1-1	Vacuum Pressure	inches of Hg	-10.0	
Biogas 1	Blower IA (outlet)	B/P 1/B-1-2	Temperature	°C	72.3	
Biogas 1	Blower IA (outlet)	B/P 1/B-1-3	Static Pressure	psf	14.6	
Biogas 1	Blower IA (outlet)	B/P 1/B-1-4	Flow Rate	SCFM	14.7	
Biogas 2	Blower IA (inlet)	B/P 2/B-2-1	Vacuum Pressure	inches of Hg	-10.0	
Biogas 2	Blower IA (outlet)	B/P 2/B-2-2	Temperature	°C	71.5	
Biogas 2	Blower IA (outlet)	B/P 2/B-2-3	Static Pressure	psf	14.6	
Biogas 2	Blower IA (outlet)	B/P 2/B-2-4	Flow Rate	SCFM	14.6	
Biogas 2	Blower IA (outlet)	B/P 2/B-2-5	Temperature	°C	72.3	
Biogas 2	Blower IA (outlet)	B/P 2/B-2-6	Vacuum Extraction	inches of Hg	-10.0	
Biogas 2	Blower IA (outlet)	B/P 2/B-2-7	Manifold Pressure	°C	74.6	
Knockout Tank	Inlet		Vacuum Pressure	inches of Hg	-10.0	
Knockout Tank	Outlet		Temperature	°C	74.7	
Activated Carbon Filter	Inlet		Temperature	°C	74.7	
Carbon Tank	Outlet		Temperature	°C	74.7	
Carbon Tank	Outlet		Static Pressure	PSI	17.7	
Carbon Tank	Outlet		Static Pressure	PSI	17.7	
Carbon Tank	Outlet		Static Pressure	PSI	17.7	

Monitoring Performed by: [Signature]  
 Date Entered by: [Signature]  
 Check on Data Entry by: [Signature]  
 Copy/Dispatch for Backup by: [Signature]

Remarks: [Blank]

Kwan Chung Incineration Plant Decommission and Decommissioning Works  
Biogas Instrumentation Daily Monitoring Form

Location	Parameter	Monitoring ID	Units	Range	Reading	Remarks
Biogas 1	Blower IA (inlet)	B/P 1/B-1-1	Vacuum Pressure	inches of Hg	-10.0	
Biogas 1	Blower IA (outlet)	B/P 1/B-1-2	Temperature	°C	72.3	
Biogas 1	Blower IA (outlet)	B/P 1/B-1-3	Static Pressure	psf	14.6	
Biogas 1	Blower IA (outlet)	B/P 1/B-1-4	Flow Rate	SCFM	14.7	
Biogas 2	Blower IA (inlet)	B/P 2/B-2-1	Vacuum Pressure	inches of Hg	-10.0	
Biogas 2	Blower IA (outlet)	B/P 2/B-2-2	Temperature	°C	71.5	
Biogas 2	Blower IA (outlet)	B/P 2/B-2-3	Static Pressure	psf	14.6	
Biogas 2	Blower IA (outlet)	B/P 2/B-2-4	Flow Rate	SCFM	14.6	
Biogas 2	Blower IA (outlet)	B/P 2/B-2-5	Temperature	°C	72.3	
Biogas 2	Blower IA (outlet)	B/P 2/B-2-6	Vacuum Extraction	inches of Hg	-10.0	
Biogas 2	Blower IA (outlet)	B/P 2/B-2-7	Manifold Pressure	°C	74.6	
Knockout Tank	Inlet		Vacuum Pressure	inches of Hg	-10.0	
Knockout Tank	Outlet		Temperature	°C	74.7	
Activated Carbon Filter	Inlet		Temperature	°C	74.7	
Carbon Tank	Outlet		Temperature	°C	74.7	
Carbon Tank	Outlet		Static Pressure	PSI	17.7	
Carbon Tank	Outlet		Static Pressure	PSI	17.7	
Carbon Tank	Outlet		Static Pressure	PSI	17.7	

Monitoring Performed by: [Signature]  
 Date Entered by: [Signature]  
 Check on Data Entry by: [Signature]  
 Copy/Dispatch for Backup by: [Signature]

Remarks: [Blank]

Location	Parameter	Monitoring ID	Units	Range	Reading	Remarks
Biocline 1	Blower 1A (inlet)	BP1/B1-1	inches of Hg	-10.0 - 0.5	0.150 / 0.5	
Biocline 1	Blower 1A (outlet)	BP1/B1-0	°C	0.150 / 2.5	0.150 / 2.5	
Biocline 1	Blower 1A (outlet)	BP1/B1-0	psi	0.30 / 6.7	0.30 / 6.7	
Biocline 1	Blower 1A (outlet)	BP1/B1-0	°C	0.150 / 2.5	0.150 / 2.5	
Biocline 1	Blower 1A (outlet)	BP1/B1-0	psi	0.30 / 6.7	0.30 / 6.7	
Biocline 2	Blower 2A (inlet)	BP2/B2-1	inches of Hg	-10.0 - 0.5	0.150 / 0.5	
Biocline 2	Blower 2A (outlet)	BP2/B2-0	°C	0.150 / 2.5	0.150 / 2.5	
Biocline 2	Blower 2A (outlet)	BP2/B2-0	psi	0.30 / 6.7	0.30 / 6.7	
Biocline 2	Blower 2A (outlet)	BP2/B2-0	°C	0.150 / 2.5	0.150 / 2.5	
Biocline 2	Blower 2A (outlet)	BP2/B2-0	psi	0.30 / 6.7	0.30 / 6.7	
Knockout Tank	Inlet		inches of Hg	-10.0 - 0.5	0.150 / 0.5	
Knockout Tank	Outlet		°C	0.150 / 2.5	0.150 / 2.5	
Activated Carbon Filter	Inlet		°C	0.150 / 2.5	0.150 / 2.5	
Activated Carbon Filter	Outlet		°C	0.150 / 2.5	0.150 / 2.5	
Tank	Outlet		psi	0.30 / 6.7	0.30 / 6.7	

Monitoring Performed by: \_\_\_\_\_  
 Date Entered by: \_\_\_\_\_  
 Check on Data Entry by: \_\_\_\_\_  
 Copy/Dispatch for backup by: \_\_\_\_\_  
 Remarks: \_\_\_\_\_

Area: Vending Instrumentation Plant Demolition and Decommission Works  
 Biocline Instrumentation Daily Monitoring Form

Location	Parameter	Monitoring ID	Units	Range	Reading	Remarks
Biocline 1	Blower 1A (inlet)	BP1/B1-1	inches of Hg	-10.0 - 0.5	0.150 / 0.5	
Biocline 1	Blower 1A (outlet)	BP1/B1-0	°C	0.150 / 2.5	0.150 / 2.5	
Biocline 1	Blower 1A (outlet)	BP1/B1-0	psi	0.30 / 6.7	0.30 / 6.7	
Biocline 1	Blower 1A (outlet)	BP1/B1-0	°C	0.150 / 2.5	0.150 / 2.5	
Biocline 1	Blower 1A (outlet)	BP1/B1-0	psi	0.30 / 6.7	0.30 / 6.7	
Biocline 2	Blower 2A (inlet)	BP2/B2-1	inches of Hg	-10.0 - 0.5	0.150 / 0.5	
Biocline 2	Blower 2A (outlet)	BP2/B2-0	°C	0.150 / 2.5	0.150 / 2.5	
Biocline 2	Blower 2A (outlet)	BP2/B2-0	psi	0.30 / 6.7	0.30 / 6.7	
Biocline 2	Blower 2A (outlet)	BP2/B2-0	°C	0.150 / 2.5	0.150 / 2.5	
Biocline 2	Blower 2A (outlet)	BP2/B2-0	psi	0.30 / 6.7	0.30 / 6.7	
Knockout Tank	Inlet		inches of Hg	-10.0 - 0.5	0.150 / 0.5	
Knockout Tank	Outlet		°C	0.150 / 2.5	0.150 / 2.5	
Activated Carbon Filter	Inlet		°C	0.150 / 2.5	0.150 / 2.5	
Activated Carbon Filter	Outlet		°C	0.150 / 2.5	0.150 / 2.5	
Tank	Outlet		psi	0.30 / 6.7	0.30 / 6.7	

Monitoring Performed by: \_\_\_\_\_  
 Date Entered by: \_\_\_\_\_  
 Check on Data Entry by: \_\_\_\_\_  
 Copy/Dispatch for backup by: \_\_\_\_\_  
 Remarks: \_\_\_\_\_

Contract No. CV200705  
 Kwei Chung Incineration Plant Demolition and Decommission Works  
 Biocline Instrumentation Daily Monitoring Form

Location	Parameter	Monitoring ID	Units	Range	Reading	Remarks
Biocline 1	Blower 1A (inlet)	BP1/B1-1	inches of Hg	-10.0 - 0.5	0.150 / 0.5	
Biocline 1	Blower 1A (outlet)	BP1/B1-0	°C	0.150 / 2.5	0.150 / 2.5	
Biocline 1	Blower 1A (outlet)	BP1/B1-0	psi	0.30 / 6.7	0.30 / 6.7	
Biocline 1	Blower 1A (outlet)	BP1/B1-0	°C	0.150 / 2.5	0.150 / 2.5	
Biocline 1	Blower 1A (outlet)	BP1/B1-0	psi	0.30 / 6.7	0.30 / 6.7	
Biocline 2	Blower 2A (inlet)	BP2/B2-1	inches of Hg	-10.0 - 0.5	0.150 / 0.5	
Biocline 2	Blower 2A (outlet)	BP2/B2-0	°C	0.150 / 2.5	0.150 / 2.5	
Biocline 2	Blower 2A (outlet)	BP2/B2-0	psi	0.30 / 6.7	0.30 / 6.7	
Biocline 2	Blower 2A (outlet)	BP2/B2-0	°C	0.150 / 2.5	0.150 / 2.5	
Biocline 2	Blower 2A (outlet)	BP2/B2-0	psi	0.30 / 6.7	0.30 / 6.7	
Knockout Tank	Inlet		inches of Hg	-10.0 - 0.5	0.150 / 0.5	
Knockout Tank	Outlet		°C	0.150 / 2.5	0.150 / 2.5	
Activated Carbon Filter	Inlet		°C	0.150 / 2.5	0.150 / 2.5	
Activated Carbon Filter	Outlet		°C	0.150 / 2.5	0.150 / 2.5	
Tank	Outlet		psi	0.30 / 6.7	0.30 / 6.7	

Monitoring Performed by: \_\_\_\_\_  
 Date Entered by: \_\_\_\_\_  
 Check on Data Entry by: \_\_\_\_\_  
 Copy/Dispatch for backup by: \_\_\_\_\_  
 Remarks: \_\_\_\_\_



Location	Parameter	Monitoring ID	Units	Range	Reading	Remarks
Biopile 1	Blower 1A (outlet)	BP1/B1-1	inches of Hg	-10.0 - 0.53		
Biopile 1	Blower 1B (outlet)	BP1/B1-1	°C	0.150 / 16.9		
Biopile 1	Blower 1A (outlet)	BP1/B1-0	psi	0.30 / 0.71		
Biopile 1	Blower 1B (outlet)	BP1/B1-0	°C	1.082		
Biopile 2	Blower 1A (outlet)	BP2/B2-1	inches of Hg	-10.0 - 0		
Biopile 2	Blower 1B (outlet)	BP2/B2-1	°C	0.150 / 16.9		
Biopile 2	Blower 1A (outlet)	BP2/B2-0	psi	0.30 / 0		
Biopile 2	Blower 1B (outlet)	BP2/B2-0	°C	0		
Blow-off before Tee to both biopiles	Vacuum Pressure	BP2/B2-0	inches of Hg	-10.0 - 0.24		
Knockout Tank	Outlet		Vacuum Pressure	-0.24		
Knockout Tank	Inlet		Vacuum Pressure	-0.3		
Activated Carbon Filter	Outlet		Temperature	0.150 / 16.9		
Activated Carbon Filter	Inlet		Temperature	17.2		
Blow-off	Outlet		Static Pressure	0.53		
Blow-off	Inlet		Static Pressure	0.53		

Monitoring Performed by: [Signature]  
 Date of Entry: 31-12-2010  
 Date of Check: [Signature]  
 Time of Check: 17:00  
 Date of Backlog: [Signature]  
 Type of Backlog: [Signature]

ANALYSIS: Instrumentation Plant Demolition and Decommission Works  
 Biopile Instrumentation Daily Monitoring Form

Location	Parameter	Monitoring ID	Units	Range	Reading	Remarks
Biopile 1	Blower 1A (outlet)	BP1/B1-1	inches of Hg	-10.0 - 0.53		
Biopile 1	Blower 1B (outlet)	BP1/B1-1	°C	0.150 / 16.9		
Biopile 1	Blower 1A (outlet)	BP1/B1-0	psi	0.30 / 0.71		
Biopile 1	Blower 1B (outlet)	BP1/B1-0	°C	1.082		
Biopile 2	Blower 1A (outlet)	BP2/B2-1	inches of Hg	-10.0 - 0		
Biopile 2	Blower 1B (outlet)	BP2/B2-1	°C	0.150 / 16.9		
Biopile 2	Blower 1A (outlet)	BP2/B2-0	psi	0.30 / 0		
Biopile 2	Blower 1B (outlet)	BP2/B2-0	°C	0		
Blow-off before Tee to both biopiles	Vacuum Pressure	BP2/B2-0	inches of Hg	-10.0 - 0.24		
Knockout Tank	Outlet		Vacuum Pressure	-0.24		
Knockout Tank	Inlet		Vacuum Pressure	-0.3		
Activated Carbon Filter	Outlet		Temperature	0.150 / 16.9		
Activated Carbon Filter	Inlet		Temperature	17.2		
Blow-off	Outlet		Static Pressure	0.53		
Blow-off	Inlet		Static Pressure	0.53		

Monitoring Performed by: [Signature]  
 Date of Entry: 31-12-2010  
 Date of Check: [Signature]  
 Time of Check: 17:00  
 Date of Backlog: [Signature]  
 Type of Backlog: [Signature]

Kwai Chung Incineration Plant Demolition and Decommission Works  
 Biopile Instrumentation Daily Monitoring Form

Location	Parameter	Monitoring ID	Units	Range	Reading	Remarks
Biopile 1	Blower 1A (outlet)	BP1/B1-1	inches of Hg	-10.0 - 0.53		
Biopile 1	Blower 1B (outlet)	BP1/B1-1	°C	0.150 / 16.9		
Biopile 1	Blower 1A (outlet)	BP1/B1-0	psi	0.30 / 0.71		
Biopile 1	Blower 1B (outlet)	BP1/B1-0	°C	1.082		
Biopile 2	Blower 1A (outlet)	BP2/B2-1	inches of Hg	-10.0 - 0		
Biopile 2	Blower 1B (outlet)	BP2/B2-1	°C	0.150 / 16.9		
Biopile 2	Blower 1A (outlet)	BP2/B2-0	psi	0.30 / 0		
Biopile 2	Blower 1B (outlet)	BP2/B2-0	°C	0		
Blow-off before Tee to both biopiles	Vacuum Pressure	BP2/B2-0	inches of Hg	-10.0 - 0.24		
Knockout Tank	Outlet		Vacuum Pressure	-0.24		
Knockout Tank	Inlet		Vacuum Pressure	-0.3		
Activated Carbon Filter	Outlet		Temperature	0.150 / 16.9		
Activated Carbon Filter	Inlet		Temperature	17.2		
Blow-off	Outlet		Static Pressure	0.53		
Blow-off	Inlet		Static Pressure	0.53		

Monitoring Performed by: [Signature]  
 Date of Entry: 31-12-2010  
 Date of Check: [Signature]  
 Time of Check: 17:00  
 Date of Backlog: [Signature]  
 Type of Backlog: [Signature]

Location	Parameter	Monitoring ID	Units	Range	Reading	Remarks
Biopile 1	Blower 1A (outlet)	BP1/B1-1	inches of Hg	-10.0 - 0.53		
Biopile 1	Blower 1B (outlet)	BP1/B1-1	°C	0.150 / 16.9		
Biopile 1	Blower 1A (outlet)	BP1/B1-0	psi	0.30 / 0.71		
Biopile 1	Blower 1B (outlet)	BP1/B1-0	°C	1.082		
Biopile 2	Blower 1A (outlet)	BP2/B2-1	inches of Hg	-10.0 - 0		
Biopile 2	Blower 1B (outlet)	BP2/B2-1	°C	0.150 / 16.9		
Biopile 2	Blower 1A (outlet)	BP2/B2-0	psi	0.30 / 0		
Biopile 2	Blower 1B (outlet)	BP2/B2-0	°C	0		
Blow-off before Tee to both biopiles	Vacuum Pressure	BP2/B2-0	inches of Hg	-10.0 - 0.24		
Knockout Tank	Outlet		Vacuum Pressure	-0.24		
Knockout Tank	Inlet		Vacuum Pressure	-0.3		
Activated Carbon Filter	Outlet		Temperature	0.150 / 16.9		
Activated Carbon Filter	Inlet		Temperature	17.2		
Blow-off	Outlet		Static Pressure	0.53		
Blow-off	Inlet		Static Pressure	0.53		

Monitoring Performed by: [Signature]  
 Date of Entry: 31-12-2010  
 Date of Check: [Signature]  
 Time of Check: 17:00  
 Date of Backlog: [Signature]  
 Type of Backlog: [Signature]

Location	Parameter	Monitoring ID	Units	Range	Reading	Remarks
Biopile 1	Blower 1A (outlet)	BP1/B1-1	inches of Hg	-10.0 - 0.53		
Biopile 1	Blower 1B (outlet)	BP1/B1-1	°C	0.150 / 16.9		
Biopile 1	Blower 1A (outlet)	BP1/B1-0	psi	0.30 / 0.71		
Biopile 1	Blower 1B (outlet)	BP1/B1-0	°C	1.082		
Biopile 2	Blower 1A (outlet)	BP2/B2-1	inches of Hg	-10.0 - 0		
Biopile 2	Blower 1B (outlet)	BP2/B2-1	°C	0.150 / 16.9		
Biopile 2	Blower 1A (outlet)	BP2/B2-0	psi	0.30 / 0		
Biopile 2	Blower 1B (outlet)	BP2/B2-0	°C	0		
Blow-off before Tee to both biopiles	Vacuum Pressure	BP2/B2-0	inches of Hg	-10.0 - 0.24		
Knockout Tank	Outlet		Vacuum Pressure	-0.24		
Knockout Tank	Inlet		Vacuum Pressure	-0.3		
Activated Carbon Filter	Outlet		Temperature	0.150 / 16.9		
Activated Carbon Filter	Inlet		Temperature	17.2		
Blow-off	Outlet		Static Pressure	0.53		
Blow-off	Inlet		Static Pressure	0.53		

Monitoring Performed by: [Signature]  
 Date of Entry: 31-12-2010  
 Date of Check: [Signature]  
 Time of Check: 17:00  
 Date of Backlog: [Signature]  
 Type of Backlog: [Signature]

Kwai Chung Abatement Plant Demolition and Decommissioning Works  
Biogas Instrumentation Daily Monitoring Form

Location	Parameter	Monitoring ID	Units	Range	Reading	Remarks
Biogas 1	Blower 1A (inlet)	BP1/B1-I	inches of Hg	-10.0	-9.31	
	Blower 1A (outlet)	BP1/B1-O	inches of Hg	-10.0	-9.31	
Biogas 2	Blower 2A (inlet)	BP2/B2-I	inches of Hg	-10.0	-9.57	
	Blower 2A (outlet)	BP2/B2-O	inches of Hg	-10.0	-9.57	
Biogas 3	Blower 3A (inlet)	BP3/B3-I	inches of Hg	-10.0	-9.24	
	Blower 3A (outlet)	BP3/B3-O	inches of Hg	-10.0	-9.24	
Knockout Tank	Inlet		inches of Hg	-10.0	-9.3	
	Outlet		inches of Hg	-10.0	-9.3	
Activated Carbon Filter	Inlet		inches of Hg	-10.0	-9.24	
	Outlet		inches of Hg	-10.0	-9.24	
Tank	Inlet		PSI		0.34	
	Outlet		PSI		0.34	
Monitoring performed by: _____						
Data Entered by: _____						
Checked on Data Entry by: _____						
Copy/Dispatched for backup by: _____						
Remarks: _____						

Awa Using Instrumentation Plant Demolition and Decommissioning Works  
Biogas Instrumentation Daily Monitoring Form

Location	Parameter	Monitoring ID	Units	Range	Reading	Remarks
Biogas 1	Blower 1A (inlet)	BP1/B1-I	inches of Hg	-10.0	-9.31	
	Blower 1A (outlet)	BP1/B1-O	inches of Hg	-10.0	-9.31	
Biogas 2	Blower 2A (inlet)	BP2/B2-I	inches of Hg	-10.0	-9.57	
	Blower 2A (outlet)	BP2/B2-O	inches of Hg	-10.0	-9.57	
Biogas 3	Blower 3A (inlet)	BP3/B3-I	inches of Hg	-10.0	-9.24	
	Blower 3A (outlet)	BP3/B3-O	inches of Hg	-10.0	-9.24	
Knockout Tank	Inlet		inches of Hg	-10.0	-9.3	
	Outlet		inches of Hg	-10.0	-9.3	
Activated Carbon Filter	Inlet		inches of Hg	-10.0	-9.24	
	Outlet		inches of Hg	-10.0	-9.24	
Tank	Inlet		PSI		0.34	
	Outlet		PSI		0.34	
Monitoring performed by: _____						
Data Entered by: _____						
Checked on Data Entry by: _____						
Copy/Dispatched for backup by: _____						
Remarks: _____						

Awa Using Instrumentation Plant Demolition and Decommissioning Works  
Biogas Instrumentation Daily Monitoring Form

Location	Parameter	Monitoring ID	Units	Range	Reading	Remarks
Biogas 1	Blower 1A (inlet)	BP1/B1-I	inches of Hg	-10.0	-9.31	
	Blower 1A (outlet)	BP1/B1-O	inches of Hg	-10.0	-9.31	
Biogas 2	Blower 2A (inlet)	BP2/B2-I	inches of Hg	-10.0	-9.57	
	Blower 2A (outlet)	BP2/B2-O	inches of Hg	-10.0	-9.57	
Biogas 3	Blower 3A (inlet)	BP3/B3-I	inches of Hg	-10.0	-9.24	
	Blower 3A (outlet)	BP3/B3-O	inches of Hg	-10.0	-9.24	
Knockout Tank	Inlet		inches of Hg	-10.0	-9.34	
	Outlet		inches of Hg	-10.0	-9.34	
Activated Carbon Filter	Inlet		inches of Hg	-10.0	-9.24	
	Outlet		inches of Hg	-10.0	-9.24	
Tank	Inlet		PSI		0.34	
	Outlet		PSI		0.34	
Monitoring performed by: _____						
Data Entered by: _____						
Checked on Data Entry by: _____						
Copy/Dispatched for backup by: _____						
Remarks: _____						

Awa Using Instrumentation Plant Demolition and Decommissioning Works  
Biogas Instrumentation Daily Monitoring Form

Location	Parameter	Monitoring ID	Units	Range	Reading	Remarks
Biogas 1	Blower 1A (inlet)	BP1/B1-I	inches of Hg	-10.0	-9.31	
	Blower 1A (outlet)	BP1/B1-O	inches of Hg	-10.0	-9.31	
Biogas 2	Blower 2A (inlet)	BP2/B2-I	inches of Hg	-10.0	-9.57	
	Blower 2A (outlet)	BP2/B2-O	inches of Hg	-10.0	-9.57	
Biogas 3	Blower 3A (inlet)	BP3/B3-I	inches of Hg	-10.0	-9.24	
	Blower 3A (outlet)	BP3/B3-O	inches of Hg	-10.0	-9.24	
Knockout Tank	Inlet		inches of Hg	-10.0	-9.3	
	Outlet		inches of Hg	-10.0	-9.3	
Activated Carbon Filter	Inlet		inches of Hg	-10.0	-9.24	
	Outlet		inches of Hg	-10.0	-9.24	
Tank	Inlet		PSI		0.34	
	Outlet		PSI		0.34	
Monitoring performed by: _____						
Data Entered by: _____						
Checked on Data Entry by: _____						
Copy/Dispatched for backup by: _____						
Remarks: _____						

ASAC Using Instrumentation Plant Description and Documentation Works  
 Biologic Instrumentation Daily Monitoring Form

Location	Parameter	Monitoring ID	Units	Range	Reading	Remarks
Biologic 1	Blower 1A (inlet)	BP1/B1-1	inches of Hg	-10.0 - 0.0	0.33	
Biologic 1	Blower 1A (outlet)	BP1/B1-1	inches of Hg	-10.0 - 0.0	0.33	
Biologic 1	Blower 1A (outlet)	BP1/B1-0	inches of Hg	-10.0 - 0.0	0.33	
Biologic 1	Blower 1A (outlet)	BP1/B1-0	inches of Hg	-10.0 - 0.0	0.33	
Biologic 2	Blower 2A (inlet)	BP2/B2-1	inches of Hg	-10.0 - 0.0	0.33	
Biologic 2	Blower 2A (outlet)	BP2/B2-0	inches of Hg	-10.0 - 0.0	0.33	
Biologic 2	Blower 2A (outlet)	BP2/B2-0	inches of Hg	-10.0 - 0.0	0.33	
Biologic 2	Blower 2A (outlet)	BP2/B2-0	inches of Hg	-10.0 - 0.0	0.33	
Biologic 2	Blower 2A (outlet)	BP2/B2-0	inches of Hg	-10.0 - 0.0	0.33	
Blowdown Tank	Outlet		Temperature	°C	27.6	
Blowdown Tank	Outlet		Temperature	°C	27.6	
Blowdown Tank	Outlet		Temperature	°C	27.6	
Activated Carbon Filter	Outlet		Temperature	°C	27.6	
Activated Carbon Filter	Outlet		Temperature	°C	27.6	
Activated Carbon Filter	Outlet		Temperature	°C	27.6	
Monitoring Performed by						
Date Entered by						
Check on Data Entry by						
Copy/Dispatch for backup by						
Remarks:						

ASAC Using Instrumentation Plant Description and Documentation Works  
 Biologic Instrumentation Daily Monitoring Form

Location	Parameter	Monitoring ID	Units	Range	Reading	Remarks
Biologic 1	Blower 1A (inlet)	BP1/B1-1	inches of Hg	-10.0 - 0.0	0.33	
Biologic 1	Blower 1A (outlet)	BP1/B1-1	inches of Hg	-10.0 - 0.0	0.33	
Biologic 1	Blower 1A (outlet)	BP1/B1-0	inches of Hg	-10.0 - 0.0	0.33	
Biologic 1	Blower 1A (outlet)	BP1/B1-0	inches of Hg	-10.0 - 0.0	0.33	
Biologic 2	Blower 2A (inlet)	BP2/B2-1	inches of Hg	-10.0 - 0.0	0.33	
Biologic 2	Blower 2A (outlet)	BP2/B2-0	inches of Hg	-10.0 - 0.0	0.33	
Biologic 2	Blower 2A (outlet)	BP2/B2-0	inches of Hg	-10.0 - 0.0	0.33	
Biologic 2	Blower 2A (outlet)	BP2/B2-0	inches of Hg	-10.0 - 0.0	0.33	
Biologic 2	Blower 2A (outlet)	BP2/B2-0	inches of Hg	-10.0 - 0.0	0.33	
Blowdown Tank	Outlet		Temperature	°C	27.6	
Blowdown Tank	Outlet		Temperature	°C	27.6	
Blowdown Tank	Outlet		Temperature	°C	27.6	
Activated Carbon Filter	Outlet		Temperature	°C	27.6	
Activated Carbon Filter	Outlet		Temperature	°C	27.6	
Activated Carbon Filter	Outlet		Temperature	°C	27.6	
Monitoring Performed by						
Date Entered by						
Check on Data Entry by						
Copy/Dispatch for backup by						
Remarks:						

ASAC Using Instrumentation Plant Description and Documentation Works  
 Biologic Instrumentation Daily Monitoring Form

Location	Parameter	Monitoring ID	Units	Range	Reading	Remarks
Biologic 1	Blower 1A (inlet)	BP1/B1-1	inches of Hg	-10.0 - 0.0	0.33	
Biologic 1	Blower 1A (outlet)	BP1/B1-1	inches of Hg	-10.0 - 0.0	0.33	
Biologic 1	Blower 1A (outlet)	BP1/B1-0	inches of Hg	-10.0 - 0.0	0.33	
Biologic 1	Blower 1A (outlet)	BP1/B1-0	inches of Hg	-10.0 - 0.0	0.33	
Biologic 2	Blower 2A (inlet)	BP2/B2-1	inches of Hg	-10.0 - 0.0	0.33	
Biologic 2	Blower 2A (outlet)	BP2/B2-0	inches of Hg	-10.0 - 0.0	0.33	
Biologic 2	Blower 2A (outlet)	BP2/B2-0	inches of Hg	-10.0 - 0.0	0.33	
Biologic 2	Blower 2A (outlet)	BP2/B2-0	inches of Hg	-10.0 - 0.0	0.33	
Biologic 2	Blower 2A (outlet)	BP2/B2-0	inches of Hg	-10.0 - 0.0	0.33	
Blowdown Tank	Outlet		Temperature	°C	27.6	
Blowdown Tank	Outlet		Temperature	°C	27.6	
Blowdown Tank	Outlet		Temperature	°C	27.6	
Activated Carbon Filter	Outlet		Temperature	°C	27.6	
Activated Carbon Filter	Outlet		Temperature	°C	27.6	
Activated Carbon Filter	Outlet		Temperature	°C	27.6	
Monitoring Performed by						
Date Entered by						
Check on Data Entry by						
Copy/Dispatch for backup by						
Remarks:						

Kraft Chang Incineration Plant Demolition and Decontamination Works  
Biologic Instrumentation Daily Monitoring Item

Location	Parameter	Monitoring ID	Units	Range	Reading	Remarks
Biologic 1	Blower V1 (inlet)	BP/B1-1	Inches of Hg	-10.0	-9.31	
Biologic 1	Blower V1 (outlet)	BP/B1-1	°C	0-150	14.2	
Biologic 1	Blower V1 (inlet)	BP/B1-0	Static Pressure		2.2	
Biologic 1	Blower V1 (outlet)	BP/B1-0	Flow Rate		8.71	
Biologic 1	Blower V1 (inlet)	BP/B1-0	Temperature		17.1	
Biologic 2	Blower V2 (inlet)	BP/B2-0	Static Pressure	0-150	15.3	
Biologic 2	Blower V2 (outlet)	BP/B2-1	Temperature	0-150	15.3	
Biologic 2	Blower V2 (inlet)	BP/B2-0	Flow Rate	0-30	16	
Biologic 2	Blower V2 (outlet)	BP/B2-0	Temperature	0-150	22.3	
Blowdown Tank	Vacuum Extraction	BP/B2-0	Inches of Hg	-10.0	-6.24	
Knockout Tank	Vacuum Pressure	BP/B2-0	°C	0-150	16.9	
Outlet	Temperature		°C		6.3	
Outlet	Temperature		°C		2.4	
Outlet	Temperature		°C		17.1	
Outlet	Temperature		°C		17.1	
Outlet	Static Pressure		Inches of Hg		17.1	
Monitoring Performed by						
Date Entered by	RJ	Date of Entry	27/12/2009	Time of Entry	7:00	
Checked on Data Entry by		Date of Check		Time of Check		
Copy/Dispatch for backup by		Date of Backup		Time of Backup		
Remarks:						

Kraft Chang Incineration Plant Demolition and Decontamination Works  
Biologic Instrumentation Daily Monitoring Item

Location	Parameter	Monitoring ID	Units	Range	Reading	Remarks
Biologic 1	Blower V1 (inlet)	BP/B1-1	Inches of Hg	-10.0	-6.31	
Biologic 1	Blower V1 (outlet)	BP/B1-1	°C	0-150	14.2	
Biologic 1	Blower V1 (inlet)	BP/B1-0	Static Pressure		2.2	
Biologic 1	Blower V1 (outlet)	BP/B1-0	Flow Rate		8.71	
Biologic 1	Blower V1 (inlet)	BP/B1-0	Temperature		17.1	
Biologic 2	Blower V2 (inlet)	BP/B2-0	Static Pressure	0-150	15.3	
Biologic 2	Blower V2 (outlet)	BP/B2-1	Temperature	0-150	15.3	
Biologic 2	Blower V2 (inlet)	BP/B2-0	Flow Rate	0-30	16	
Biologic 2	Blower V2 (outlet)	BP/B2-0	Temperature	0-150	22.3	
Blowdown Tank	Vacuum Extraction	BP/B2-0	Inches of Hg	-10.0	-6.24	
Knockout Tank	Vacuum Pressure	BP/B2-0	°C	0-150	16.9	
Outlet	Temperature		°C		6.3	
Outlet	Temperature		°C		2.4	
Outlet	Temperature		°C		17.1	
Outlet	Temperature		°C		17.1	
Outlet	Static Pressure		Inches of Hg		17.1	
Monitoring Performed by						
Date Entered by		Date of Entry	27/12/2009	Time of Entry	7:00	
Checked on Data Entry by		Date of Check		Time of Check		
Copy/Dispatch for backup by		Date of Backup		Time of Backup		
Remarks:						

Kraft Chang Incineration Plant Demolition and Decontamination Works  
Biologic Instrumentation Daily Monitoring Item

Location	Parameter	Monitoring ID	Units	Range	Reading	Remarks
Biologic 1	Blower V1 (inlet)	BP/B1-1	Inches of Hg	-10.0	-6.31	
Biologic 1	Blower V1 (outlet)	BP/B1-1	°C	0-150	14.2	
Biologic 1	Blower V1 (inlet)	BP/B1-0	Static Pressure		2.2	
Biologic 1	Blower V1 (outlet)	BP/B1-0	Flow Rate		8.71	
Biologic 1	Blower V1 (inlet)	BP/B1-0	Temperature		17.1	
Biologic 2	Blower V2 (inlet)	BP/B2-0	Static Pressure	0-150	15.3	
Biologic 2	Blower V2 (outlet)	BP/B2-1	Temperature	0-150	15.3	
Biologic 2	Blower V2 (inlet)	BP/B2-0	Flow Rate	0-30	16	
Biologic 2	Blower V2 (outlet)	BP/B2-0	Temperature	0-150	22.3	
Blowdown Tank	Vacuum Extraction	BP/B2-0	Inches of Hg	-10.0	-6.24	
Knockout Tank	Vacuum Pressure	BP/B2-0	°C	0-150	16.9	
Outlet	Temperature		°C		6.3	
Outlet	Temperature		°C		2.4	
Outlet	Temperature		°C		17.1	
Outlet	Temperature		°C		17.1	
Outlet	Static Pressure		Inches of Hg		17.1	
Monitoring Performed by						
Date Entered by		Date of Entry	27/12/2009	Time of Entry	7:00	
Checked on Data Entry by		Date of Check		Time of Check		
Copy/Dispatch for backup by		Date of Backup		Time of Backup		
Remarks:						







Location	Parameter	Monitoring ID	Units	Range	Reading	Remarks
Biopile 1	Blower 1A (inlet)	BP1/B1-I	inches of Hg	-10.0 - 0.31	-0.31	
Biopile 1	Blower 1A (outlet)	BP1/B1-O	inches of Hg	-10.0 - 0.31	-0.31	
Biopile 1	Blower 1B (inlet)	BP1/B1-I	inches of Hg	-10.0 - 0.31	-0.31	
Biopile 1	Blower 1B (outlet)	BP1/B1-O	inches of Hg	-10.0 - 0.31	-0.31	
Biopile 2	Blower 2A (inlet)	BP2/B2-I	inches of Hg	-10.0 - 0.31	-0.31	
Biopile 2	Blower 2A (outlet)	BP2/B2-O	inches of Hg	-10.0 - 0.31	-0.31	
Biopile 2	Blower 2B (inlet)	BP2/B2-I	inches of Hg	-10.0 - 0.31	-0.31	
Biopile 2	Blower 2B (outlet)	BP2/B2-O	inches of Hg	-10.0 - 0.31	-0.31	
Blow-off	Blow-off	BP2/B2-O	inches of Hg	-10.0 - 0.31	-0.31	
Knockout Tank	Outlet		Temperature	°C	-0.3	
Activated Carbon Filter	Inlet		Temperature	°C	14.7	
Carbon Filter	Outlet		Temperature	°C	12.1	
Tank	Outlet		Static Pressure	PSI	0.21	

Monitoring Performed by: \_\_\_\_\_  
 Date Entered by: 27-12-2016  
 Date of Entry: 27-12-2016  
 Time of Entry: 07:00  
 Check on Data Entry by: \_\_\_\_\_  
 Date of Check: \_\_\_\_\_  
 Copy/Dispatch for backup by: \_\_\_\_\_  
 Date of Backup: \_\_\_\_\_

Location	Parameter	Monitoring ID	Units	Range	Reading	Remarks
Biopile 1	Blower 1A (inlet)	BP1/B1-I	inches of Hg	-10.0 - 0.31	-0.31	
Biopile 1	Blower 1A (outlet)	BP1/B1-O	inches of Hg	-10.0 - 0.31	-0.31	
Biopile 1	Blower 1B (inlet)	BP1/B1-I	inches of Hg	-10.0 - 0.31	-0.31	
Biopile 1	Blower 1B (outlet)	BP1/B1-O	inches of Hg	-10.0 - 0.31	-0.31	
Biopile 2	Blower 2A (inlet)	BP2/B2-I	inches of Hg	-10.0 - 0.31	-0.31	
Biopile 2	Blower 2A (outlet)	BP2/B2-O	inches of Hg	-10.0 - 0.31	-0.31	
Biopile 2	Blower 2B (inlet)	BP2/B2-I	inches of Hg	-10.0 - 0.31	-0.31	
Biopile 2	Blower 2B (outlet)	BP2/B2-O	inches of Hg	-10.0 - 0.31	-0.31	
Blow-off	Blow-off	BP2/B2-O	inches of Hg	-10.0 - 0.31	-0.31	
Knockout Tank	Outlet		Temperature	°C	-0.3	
Activated Carbon Filter	Inlet		Temperature	°C	14.7	
Carbon Filter	Outlet		Temperature	°C	12.1	
Tank	Outlet		Static Pressure	PSI	0.21	

Monitoring Performed by: \_\_\_\_\_  
 Date Entered by: 27-12-2016  
 Date of Entry: 27-12-2016  
 Time of Entry: 07:00  
 Check on Data Entry by: \_\_\_\_\_  
 Date of Check: \_\_\_\_\_  
 Copy/Dispatch for backup by: \_\_\_\_\_  
 Date of Backup: \_\_\_\_\_

Location	Parameter	Monitoring ID	Units	Range	Reading	Remarks
Biopile 1	Blower 1A (inlet)	BP1/B1-I	inches of Hg	-10.0 - 0.31	-0.31	
Biopile 1	Blower 1A (outlet)	BP1/B1-O	inches of Hg	-10.0 - 0.31	-0.31	
Biopile 1	Blower 1B (inlet)	BP1/B1-I	inches of Hg	-10.0 - 0.31	-0.31	
Biopile 1	Blower 1B (outlet)	BP1/B1-O	inches of Hg	-10.0 - 0.31	-0.31	
Biopile 2	Blower 2A (inlet)	BP2/B2-I	inches of Hg	-10.0 - 0.31	-0.31	
Biopile 2	Blower 2A (outlet)	BP2/B2-O	inches of Hg	-10.0 - 0.31	-0.31	
Biopile 2	Blower 2B (inlet)	BP2/B2-I	inches of Hg	-10.0 - 0.31	-0.31	
Biopile 2	Blower 2B (outlet)	BP2/B2-O	inches of Hg	-10.0 - 0.31	-0.31	
Blow-off	Blow-off	BP2/B2-O	inches of Hg	-10.0 - 0.31	-0.31	
Knockout Tank	Outlet		Temperature	°C	-0.3	
Activated Carbon Filter	Inlet		Temperature	°C	14.7	
Carbon Filter	Outlet		Temperature	°C	12.1	
Tank	Outlet		Static Pressure	PSI	0.21	

Monitoring Performed by: \_\_\_\_\_  
 Date Entered by: 27-12-2016  
 Date of Entry: 27-12-2016  
 Time of Entry: 07:00  
 Check on Data Entry by: \_\_\_\_\_  
 Date of Check: \_\_\_\_\_  
 Copy/Dispatch for backup by: \_\_\_\_\_  
 Date of Backup: \_\_\_\_\_

Location	Parameter	Monitoring ID	Units	Range	Reading	Remarks
Biopile 1	Blower 1A (inlet)	BP1/B1-I	inches of Hg	-10.0 - 0.31	-0.31	
Biopile 1	Blower 1A (outlet)	BP1/B1-O	inches of Hg	-10.0 - 0.31	-0.31	
Biopile 1	Blower 1B (inlet)	BP1/B1-I	inches of Hg	-10.0 - 0.31	-0.31	
Biopile 1	Blower 1B (outlet)	BP1/B1-O	inches of Hg	-10.0 - 0.31	-0.31	
Biopile 2	Blower 2A (inlet)	BP2/B2-I	inches of Hg	-10.0 - 0.31	-0.31	
Biopile 2	Blower 2A (outlet)	BP2/B2-O	inches of Hg	-10.0 - 0.31	-0.31	
Biopile 2	Blower 2B (inlet)	BP2/B2-I	inches of Hg	-10.0 - 0.31	-0.31	
Biopile 2	Blower 2B (outlet)	BP2/B2-O	inches of Hg	-10.0 - 0.31	-0.31	
Blow-off	Blow-off	BP2/B2-O	inches of Hg	-10.0 - 0.31	-0.31	
Knockout Tank	Outlet		Temperature	°C	-0.3	
Activated Carbon Filter	Inlet		Temperature	°C	14.7	
Carbon Filter	Outlet		Temperature	°C	12.1	
Tank	Outlet		Static Pressure	PSI	0.21	

Monitoring Performed by: \_\_\_\_\_  
 Date Entered by: 27-12-2016  
 Date of Entry: 27-12-2016  
 Time of Entry: 07:00  
 Check on Data Entry by: \_\_\_\_\_  
 Date of Check: \_\_\_\_\_  
 Copy/Dispatch for backup by: \_\_\_\_\_  
 Date of Backup: \_\_\_\_\_

Kowa Chang Incineration Plant Demolition and Decommissioning Works  
Biologic Instrumentation Daily Monitoring Form

Biologic	Location	Parameter	Monitoring ID	Units	Range	Reading	Remarks
Biologic 1	Blower 1A (outlet)	Vacuum Pressure	BP1/B1-1	Inches of Hg	-10.0	-8.81	
Biologic 1	Blower 1A (inlet)	Temperature	EP1/E1-1	°C			
Biologic 1	Blower 1A (outlet)	Static Pressure	RP1/R1-0	inH <sub>2</sub> O	0.30	0.11	
Biologic 1	Blower 1A (outlet)	Flow Rate	FP1/F1-0	m <sup>3</sup> /min			
Biologic 2	Blower 1A (outlet)	Vacuum Pressure	BP2/B2-0	°C	0.150	1.26	
Biologic 2	Blower 1A (inlet)	Temperature	EP2/E2-1	Inches of Hg	-10.0	0	
Biologic 2	Blower 1A (outlet)	Static Pressure	RP2/R2-1	°C	0.150	1.26	
Biologic 2	Blower 1A (outlet)	Flow Rate	FP2/F2-0	inH <sub>2</sub> O	0.30	0	
Biologic 2	Blower 1A (outlet)	Temperature	TP2/T2-0	°C		0	
Biologic 2	Blower 1A (outlet)	Manifold Pressure	MP2/M2-0	Inches of Hg	-10.0	-0.24	
Biologic 2	Blower 1A (outlet)	Vacuum Pressure	VP2/V2-0	°C	-0.24		
Biologic 2	Blower 1A (outlet)	Temperature	TP2/T2-0	°C		0.5	
Biologic 2	Blower 1A (outlet)	Temperature	TP2/T2-0	°C		1.45	
Biologic 2	Blower 1A (outlet)	Temperature	TP2/T2-0	°C		1.35	
Biologic 2	Blower 1A (outlet)	Static Pressure	SP2/S2-0	°C		1.37	
Biologic 2	Blower 1A (outlet)	Static Pressure	SP2/S2-0	°C		0.56	

Monitoring Performed by: \_\_\_\_\_  
 Date Entered by: \_\_\_\_\_ Date of Check: 26-12-2010 Time of Entry: P:00  
 Check on Data Entry by: \_\_\_\_\_  
 Copy/Deposit for backup by: \_\_\_\_\_ Date of Backup: \_\_\_\_\_ Time of Backup: \_\_\_\_\_  
 Remarks: \_\_\_\_\_

Kowa Chang Incineration Plant Demolition and Decommissioning Works  
Biologic Instrumentation Daily Monitoring Form

Biologic	Location	Parameter	Monitoring ID	Units	Range	Reading	Remarks
Biologic 1	Blower 1A (outlet)	Vacuum Pressure	BP1/B1-1	Inches of Hg	-10.0	-8.24	
Biologic 1	Blower 1A (inlet)	Temperature	EP1/E1-1	°C			
Biologic 1	Blower 1A (outlet)	Static Pressure	RP1/R1-0	inH <sub>2</sub> O	0.30	0.87	
Biologic 1	Blower 1A (outlet)	Flow Rate	FP1/F1-0	m <sup>3</sup> /min		1.97	
Biologic 2	Blower 1A (outlet)	Vacuum Pressure	BP2/B2-1	Inches of Hg	-10.0	1.2	
Biologic 2	Blower 1A (inlet)	Temperature	EP2/E2-1	°C		0	
Biologic 2	Blower 1A (outlet)	Static Pressure	RP2/R2-0	inH <sub>2</sub> O	0.30	1.64	
Biologic 2	Blower 1A (outlet)	Flow Rate	FP2/F2-0	m <sup>3</sup> /min		0	
Biologic 2	Blower 1A (outlet)	Temperature	TP2/T2-0	°C		0	
Biologic 2	Blower 1A (outlet)	Vacuum Extraction	MP2/M2-0	Inches of Hg	-10.0	-0.24	
Biologic 2	Blower 1A (outlet)	Manifold Pressure	VP2/V2-0	°C	-0.24		
Biologic 2	Blower 1A (outlet)	Temperature	TP2/T2-0	°C		6.3	
Biologic 2	Blower 1A (outlet)	Temperature	TP2/T2-0	°C		1.4	
Biologic 2	Blower 1A (outlet)	Temperature	TP2/T2-0	°C		1.34	
Biologic 2	Blower 1A (outlet)	Static Pressure	SP2/S2-0	°C		1.37	
Biologic 2	Blower 1A (outlet)	Static Pressure	SP2/S2-0	°C		0.5	

Monitoring Performed by: \_\_\_\_\_  
 Date Entered by: \_\_\_\_\_ Date of Check: 26-12-2010 Time of Entry: P:00  
 Check on Data Entry by: \_\_\_\_\_  
 Copy/Deposit for backup by: \_\_\_\_\_ Date of Backup: \_\_\_\_\_ Time of Backup: \_\_\_\_\_  
 Remarks: \_\_\_\_\_

Kowa Chang Incineration Plant Demolition and Decommissioning Works  
Biologic Instrumentation Daily Monitoring Form

Biologic	Location	Parameter	Monitoring ID	Units	Range	Reading	Remarks
Biologic 1	Blower 1A (outlet)	Vacuum Pressure	BP1/B1-1	Inches of Hg	-10.0	-8.31	
Biologic 1	Blower 1A (inlet)	Temperature	EP1/E1-1	°C		1.24	
Biologic 1	Blower 1A (outlet)	Static Pressure	RP1/R1-0	inH <sub>2</sub> O	0.30	0.11	
Biologic 1	Blower 1A (outlet)	Flow Rate	FP1/F1-0	m <sup>3</sup> /min		1.12	
Biologic 2	Blower 1A (outlet)	Vacuum Pressure	BP2/B2-1	Inches of Hg	-10.0	0	
Biologic 2	Blower 1A (inlet)	Temperature	EP2/E2-1	°C		0	
Biologic 2	Blower 1A (outlet)	Static Pressure	RP2/R2-0	inH <sub>2</sub> O	0.30	0	
Biologic 2	Blower 1A (outlet)	Flow Rate	FP2/F2-0	m <sup>3</sup> /min		0	
Biologic 2	Blower 1A (outlet)	Temperature	TP2/T2-0	°C		1.1	
Biologic 2	Blower 1A (outlet)	Vacuum Extraction	MP2/M2-0	Inches of Hg	-10.0	-0.24	
Biologic 2	Blower 1A (outlet)	Manifold Pressure	VP2/V2-0	°C	-0.24		
Biologic 2	Blower 1A (outlet)	Temperature	TP2/T2-0	°C		0.5	
Biologic 2	Blower 1A (outlet)	Temperature	TP2/T2-0	°C		1.4	
Biologic 2	Blower 1A (outlet)	Temperature	TP2/T2-0	°C		1.34	
Biologic 2	Blower 1A (outlet)	Static Pressure	SP2/S2-0	°C		1.37	
Biologic 2	Blower 1A (outlet)	Static Pressure	SP2/S2-0	°C		0.5	

Monitoring Performed by: \_\_\_\_\_  
 Date Entered by: \_\_\_\_\_ Date of Check: 26-12-2010 Time of Entry: P:00  
 Check on Data Entry by: \_\_\_\_\_  
 Copy/Deposit for backup by: \_\_\_\_\_ Date of Backup: \_\_\_\_\_ Time of Backup: \_\_\_\_\_  
 Remarks: \_\_\_\_\_

Kowa Chang Incineration Plant Demolition and Decommissioning Works  
Biologic Instrumentation Daily Monitoring Form

Biologic	Location	Parameter	Monitoring ID	Units	Range	Reading	Remarks
Biologic 1	Blower 1A (outlet)	Vacuum Pressure	BP1/B1-1	Inches of Hg	-10.0	-0.31	
Biologic 1	Blower 1A (inlet)	Temperature	EP1/E1-1	°C		1.5	
Biologic 1	Blower 1A (outlet)	Static Pressure	RP1/R1-0	inH <sub>2</sub> O	0.30	0.71	
Biologic 1	Blower 1A (outlet)	Flow Rate	FP1/F1-0	m <sup>3</sup> /min		1.10	
Biologic 2	Blower 1A (outlet)	Vacuum Pressure	BP2/B2-1	Inches of Hg	-10.0	1.27	
Biologic 2	Blower 1A (inlet)	Temperature	EP2/E2-1	°C		0	
Biologic 2	Blower 1A (outlet)	Static Pressure	RP2/R2-0	inH <sub>2</sub> O	0.30	0	
Biologic 2	Blower 1A (outlet)	Flow Rate	FP2/F2-0	m <sup>3</sup> /min		0	
Biologic 2	Blower 1A (outlet)	Temperature	TP2/T2-0	°C		1.87	
Biologic 2	Blower 1A (outlet)	Vacuum Extraction	MP2/M2-0	Inches of Hg	-10.0	-0.24	
Biologic 2	Blower 1A (outlet)	Manifold Pressure	VP2/V2-0	°C	-0.24		
Biologic 2	Blower 1A (outlet)	Temperature	TP2/T2-0	°C		0.5	
Biologic 2	Blower 1A (outlet)	Temperature	TP2/T2-0	°C		1.3	
Biologic 2	Blower 1A (outlet)	Temperature	TP2/T2-0	°C		1.37	
Biologic 2	Blower 1A (outlet)	Static Pressure	SP2/S2-0	°C		0.5	

Monitoring Performed by: \_\_\_\_\_  
 Date Entered by: \_\_\_\_\_ Date of Check: 26-12-2010 Time of Entry: P:00  
 Check on Data Entry by: \_\_\_\_\_  
 Copy/Deposit for backup by: \_\_\_\_\_ Date of Backup: \_\_\_\_\_ Time of Backup: \_\_\_\_\_  
 Remarks: \_\_\_\_\_

Kwai Chung Incineration Plant Demolition and Decommission Works  
Mobile Instrumentation Daily Monitoring Form

Location	Parameter	Monitoring ID	Units	Range	Reading	Remarks
Biopile 1	Blower 1A (outlet)	BP1/B1-1	Inches of Hg	-10.0	-9.31	
Biopile 1	Blower 1A (inlet)	BP1/B1-1	°C	0-150	24.1	
Biopile 1	Blower 1B (outlet)	BP1/B1-0	mi	0-30	0.71	
Biopile 1	Blower 1B (inlet)	BP1/B1-0	°C	0-150	197.5	
Biopile 2	Blower 2A (outlet)	BP2/B2-0	Inches of Hg	-10.0	0	
Biopile 2	Blower 2A (inlet)	BP2/B2-0	°C	0-150	20.1	
Biopile 2	Blower 2B (outlet)	BP2/B2-0	mi	0-30	0	
Biopile 2	Blower 2B (inlet)	BP2/B2-0	°C	0-150	20.1	
Blower 2	Blower 2A (outlet)	BP2/B2-0	Inches of Hg	-10.0	0	
Blower 2	Blower 2A (inlet)	BP2/B2-0	°C	0-150	20.1	
Blower 2	Blower 2B (outlet)	BP2/B2-0	mi	0-30	0	
Blower 2	Blower 2B (inlet)	BP2/B2-0	°C	0-150	20.1	
Knockout Tank	Outlet		°C	0-150	24.4	
Knockout Tank	Inlet		°C	0-150	24.1	
Activated Carbon Filter	Outlet		°C	0-150	24.1	
Activated Carbon Filter	Inlet		°C	0-150	24.1	
Monitoring Performed by						
Date Entered by						
Copy/Dispatch for backup by						
Remarks:						

Kwai Chung Incineration Plant Demolition and Decommission Works  
Mobile Instrumentation Daily Monitoring Form

Location	Parameter	Monitoring ID	Units	Range	Reading	Remarks
Biopile 1	Blower 1A (outlet)	BP1/B1-1	Inches of Hg	-10.0	-9.31	
Biopile 1	Blower 1A (inlet)	BP1/B1-1	°C	0-150	24.3	
Biopile 1	Blower 1B (outlet)	BP1/B1-0	mi	0-30	0.71	
Biopile 1	Blower 1B (inlet)	BP1/B1-0	°C	0-150	23.5	
Biopile 2	Blower 2A (outlet)	BP2/B2-0	Inches of Hg	-10.0	0	
Biopile 2	Blower 2A (inlet)	BP2/B2-0	°C	0-150	23.5	
Biopile 2	Blower 2B (outlet)	BP2/B2-0	mi	0-30	0	
Biopile 2	Blower 2B (inlet)	BP2/B2-0	°C	0-150	23.5	
Knockout Tank	Outlet		°C	0-150	24.5	
Knockout Tank	Inlet		°C	0-150	24.5	
Activated Carbon Filter	Outlet		°C	0-150	24.5	
Activated Carbon Filter	Inlet		°C	0-150	24.5	
Monitoring Performed by						
Date Entered by						
Copy/Dispatch for backup by						
Remarks:						

Kwai Chung Incineration Plant Demolition and Decommission Works  
Mobile Instrumentation Daily Monitoring Form

Location	Parameter	Monitoring ID	Units	Range	Reading	Remarks
Biopile 1	Blower 1A (outlet)	BP1/B1-1	Inches of Hg	-10.0	-9.31	
Biopile 1	Blower 1A (inlet)	BP1/B1-1	°C	0-150	24.5	
Biopile 1	Blower 1B (outlet)	BP1/B1-0	mi	0-30	0.71	
Biopile 1	Blower 1B (inlet)	BP1/B1-0	°C	0-150	24.5	
Biopile 2	Blower 2A (outlet)	BP2/B2-0	Inches of Hg	-10.0	0	
Biopile 2	Blower 2A (inlet)	BP2/B2-0	°C	0-150	24.5	
Biopile 2	Blower 2B (outlet)	BP2/B2-0	mi	0-30	0	
Biopile 2	Blower 2B (inlet)	BP2/B2-0	°C	0-150	24.5	
Knockout Tank	Outlet		°C	0-150	24.5	
Knockout Tank	Inlet		°C	0-150	24.5	
Activated Carbon Filter	Outlet		°C	0-150	24.5	
Activated Carbon Filter	Inlet		°C	0-150	24.5	
Monitoring Performed by						
Date Entered by						
Copy/Dispatch for backup by						
Remarks:						

Kwai Chung Incineration Plant Demolition and Decommission Works  
Mobile Instrumentation Daily Monitoring Form

Location	Parameter	Monitoring ID	Units	Range	Reading	Remarks
Biopile 1	Blower 1A (outlet)	BP1/B1-1	Inches of Hg	-10.0	-9.31	
Biopile 1	Blower 1A (inlet)	BP1/B1-1	°C	0-150	24.5	
Biopile 1	Blower 1B (outlet)	BP1/B1-0	mi	0-30	0.71	
Biopile 1	Blower 1B (inlet)	BP1/B1-0	°C	0-150	24.5	
Biopile 2	Blower 2A (outlet)	BP2/B2-0	Inches of Hg	-10.0	0	
Biopile 2	Blower 2A (inlet)	BP2/B2-0	°C	0-150	24.5	
Biopile 2	Blower 2B (outlet)	BP2/B2-0	mi	0-30	0	
Biopile 2	Blower 2B (inlet)	BP2/B2-0	°C	0-150	24.5	
Knockout Tank	Outlet		°C	0-150	24.5	
Knockout Tank	Inlet		°C	0-150	24.5	
Activated Carbon Filter	Outlet		°C	0-150	24.5	
Activated Carbon Filter	Inlet		°C	0-150	24.5	
Monitoring Performed by						
Date Entered by						
Copy/Dispatch for backup by						
Remarks:						

Kwai Chung Incineration Plant Demolition and Decontamination Works  
Biocycle Instrumentation Daily Monitoring Form

Location	Parameter	Monitoring ID	Units	Range	Reading	Remarks
Biocycle 1	Blower 1/8 (inlet)	B/P1/B1-1	Inches of Hg.	-10.0 to 0.31	0.27	
Biocycle 1	Blower 1/8 (outlet)	B/P1/B1-1	°C	0.150 to 2.84	2.84	
Biocycle 1	Blower 1/8 (outlet)	B/P1/B1-0	psi	0.30 to 0.71	0.71	
Biocycle 1	Blower 1/8 (outlet)	B/P1/B1-0	°C	0.150 to 21.5	21.5	
Biocycle 2	Blower 2/2 (inlet)	B/P2/B2-1	Inches of Hg.	-10.0 to 0	0	
Biocycle 2	Blower 2/2 (outlet)	B/P2/B2-0	psi	0.30 to 0	0	
Biocycle 2	Blower 2/2 (outlet)	B/P2/B2-0	°C	0.150 to 21.5	21.5	
Line before Tee to both biocycle	Manifold Pressure	B/P2/B2-0	Inches of Hg.	-10.0 to 0.31	0.27	
Knockout Tank	Temperature	B/P2/B2-0	°C	0.150 to 2.84	2.84	
Advanced	Outlet	B/P2/B2-0	°C	0.150 to 2.84	2.84	
Carbon Filter	Inlet	B/P2/B2-0	°C	0.150 to 2.84	2.84	
Tank	Outlet	B/P2/B2-0	°C	0.150 to 2.84	2.84	
Monitoring Performed by: P.S.T.						
Data Entered by:				Date of Entry: 25/12/2010	Time of Entry: 8:40	
Checked on Data Entry by:				Date of Check:	Time of Check:	
Copy/Dispatch for back-up by:				Date of Backup:	Time of Backup:	
Remarks:						

ANUP Using Incineration Plant Demolition and Decontamination Works  
Biocycle Instrumentation Daily Monitoring Form

Location	Parameter	Monitoring ID	Units	Range	Reading	Remarks
Biocycle 1	Blower 1/8 (inlet)	B/P1/B1-1	Inches of Hg.	-10.0 to 0.31	0.27	
Biocycle 1	Blower 1/8 (outlet)	B/P1/B1-1	°C	0.150 to 2.84	2.84	
Biocycle 1	Blower 1/8 (outlet)	B/P1/B1-0	psi	0.30 to 0.71	0.71	
Biocycle 1	Blower 1/8 (outlet)	B/P1/B1-0	°C	0.150 to 21.5	21.5	
Biocycle 2	Blower 2/2 (inlet)	B/P2/B2-1	Inches of Hg.	-10.0 to 0	0	
Biocycle 2	Blower 2/2 (outlet)	B/P2/B2-0	psi	0.30 to 0	0	
Biocycle 2	Blower 2/2 (outlet)	B/P2/B2-0	°C	0.150 to 21.5	21.5	
Line before Tee to both biocycle	Manifold Pressure	B/P2/B2-0	Inches of Hg.	-10.0 to 0.31	0.27	
Knockout Tank	Temperature	B/P2/B2-0	°C	0.150 to 2.84	2.84	
Advanced	Outlet	B/P2/B2-0	°C	0.150 to 2.84	2.84	
Carbon Filter	Inlet	B/P2/B2-0	°C	0.150 to 2.84	2.84	
Tank	Outlet	B/P2/B2-0	°C	0.150 to 2.84	2.84	
Monitoring Performed by: P.S.T.						
Data Entered by:				Date of Entry: 25/12/2010	Time of Entry: 8:56	
Checked on Data Entry by:				Date of Check:	Time of Check:	
Copy/Dispatch for back-up by:				Date of Backup:	Time of Backup:	
Remarks:						

Kwai Chung Incineration Plant Demolition and Decontamination Works  
Biocycle Instrumentation Daily Monitoring Form

Location	Parameter	Monitoring ID	Units	Range	Reading	Remarks
Biocycle 1	Blower 1/8 (inlet)	B/P1/B1-1	Inches of Hg.	-10.0 to 0.31	0.27	
Biocycle 1	Blower 1/8 (outlet)	B/P1/B1-1	°C	0.150 to 2.84	2.84	
Biocycle 1	Blower 1/8 (outlet)	B/P1/B1-0	psi	0.30 to 0.71	0.71	
Biocycle 1	Blower 1/8 (outlet)	B/P1/B1-0	°C	0.150 to 21.5	21.5	
Biocycle 2	Blower 2/2 (inlet)	B/P2/B2-1	Inches of Hg.	-10.0 to 0	0	
Biocycle 2	Blower 2/2 (outlet)	B/P2/B2-0	psi	0.30 to 0	0	
Biocycle 2	Blower 2/2 (outlet)	B/P2/B2-0	°C	0.150 to 21.5	21.5	
Line before Tee to both biocycle	Manifold Pressure	B/P2/B2-0	Inches of Hg.	-10.0 to 0.31	0.27	
Knockout Tank	Temperature	B/P2/B2-0	°C	0.150 to 2.84	2.84	
Advanced	Outlet	B/P2/B2-0	°C	0.150 to 2.84	2.84	
Carbon Filter	Inlet	B/P2/B2-0	°C	0.150 to 2.84	2.84	
Tank	Outlet	B/P2/B2-0	°C	0.150 to 2.84	2.84	
Monitoring Performed by: P.S.T.						
Data Entered by:				Date of Entry: 25/12/2010	Time of Entry: 9:02	
Checked on Data Entry by:				Date of Check:	Time of Check:	
Copy/Dispatch for back-up by:				Date of Backup:	Time of Backup:	
Remarks:						







Kwai Chung Incineration Plant Demolition and Decommissioning Works  
Biocycle Instrumentation Daily Monitoring Form

Location	Parameter	Monitoring ID	Units	Range	Reading	Remarks
Biocycle 1	Blower V2 (outlet)	BP1/B1-1	Inches of Hg	-10.0 - 0.31	0.130	1/8
Biocycle 1	Blower V2 (outlet)	BP1/B1-1	°C	0.30	18.7	
Biocycle 1	Blower V2 (outlet)	BP1/B1-0	psi	0.30	18.7	
Biocycle 1	Blower V2 (outlet)	BP1/B1-0	°C	0.30	18.7	
Biocycle 1	Blower V2 (outlet)	BP1/B1-0	psi	0.30	18.7	
Biocycle 1	Blower V2 (outlet)	BP1/B1-0	°C	0.30	18.7	
Biocycle 2	Blower V2 (outlet)	BP2/B2-1	Inches of Hg	-10.0 - 0.30	0.130	1/8
Biocycle 2	Blower V2 (outlet)	BP2/B2-1	°C	0.30	18.7	
Biocycle 2	Blower V2 (outlet)	BP2/B2-0	psi	0.30	18.7	
Biocycle 2	Blower V2 (outlet)	BP2/B2-0	°C	0.30	18.7	
Biocycle 2	Blower V2 (outlet)	BP2/B2-0	psi	0.30	18.7	
Biocycle 2	Blower V2 (outlet)	BP2/B2-0	°C	0.30	18.7	
Knockout Tank	Outlet		°C	0.150	17.4	
Activated Carbon Filter Tank	Outlet		°C	0.150	17.1	
Outlet			psi	0.20	0.28	

Monitoring Performed by: [Signature]  
Date Entered by: [Signature]  
Checked on Data Entry by: [Signature]  
Copy/Dispatched for backup by: [Signature]

Remarks: [Blank]

AWA Chang Incineration Plant Demolition and Decommissioning Works  
Biocycle Instrumentation Daily Monitoring Form

Location	Parameter	Monitoring ID	Units	Range	Reading	Remarks
Biocycle 1	Blower V2 (outlet)	BP1/B1-1	Inches of Hg	-10.0 - 0.31	0.130	1/8
Biocycle 1	Blower V2 (outlet)	BP1/B1-1	°C	0.30	18.7	
Biocycle 1	Blower V2 (outlet)	BP1/B1-0	psi	0.30	18.7	
Biocycle 1	Blower V2 (outlet)	BP1/B1-0	°C	0.30	18.7	
Biocycle 1	Blower V2 (outlet)	BP1/B1-0	psi	0.30	18.7	
Biocycle 1	Blower V2 (outlet)	BP1/B1-0	°C	0.30	18.7	
Biocycle 2	Blower V2 (outlet)	BP2/B2-1	Inches of Hg	-10.0 - 0.30	0.130	1/8
Biocycle 2	Blower V2 (outlet)	BP2/B2-1	°C	0.30	18.7	
Biocycle 2	Blower V2 (outlet)	BP2/B2-0	psi	0.30	18.7	
Biocycle 2	Blower V2 (outlet)	BP2/B2-0	°C	0.30	18.7	
Biocycle 2	Blower V2 (outlet)	BP2/B2-0	psi	0.30	18.7	
Biocycle 2	Blower V2 (outlet)	BP2/B2-0	°C	0.30	18.7	
Knockout Tank	Outlet		°C	0.150	17.4	
Activated Carbon Filter Tank	Outlet		°C	0.150	17.1	
Outlet			psi	0.20	0.28	

Monitoring Performed by: [Signature]  
Date Entered by: [Signature]  
Checked on Data Entry by: [Signature]  
Copy/Dispatched for backup by: [Signature]

Remarks: [Blank]

Biocycle Instrumentation Daily Monitoring Form

Location	Parameter	Monitoring ID	Units	Range	Reading	Remarks
Biocycle 1	Blower V2 (outlet)	BP1/B1-1	Inches of Hg	-10.0 - 0.31	0.130	1/8
Biocycle 1	Blower V2 (outlet)	BP1/B1-1	°C	0.30	18.7	
Biocycle 1	Blower V2 (outlet)	BP1/B1-0	psi	0.30	18.7	
Biocycle 1	Blower V2 (outlet)	BP1/B1-0	°C	0.30	18.7	
Biocycle 1	Blower V2 (outlet)	BP1/B1-0	psi	0.30	18.7	
Biocycle 1	Blower V2 (outlet)	BP1/B1-0	°C	0.30	18.7	
Biocycle 2	Blower V2 (outlet)	BP2/B2-1	Inches of Hg	-10.0 - 0.30	0.130	1/8
Biocycle 2	Blower V2 (outlet)	BP2/B2-1	°C	0.30	18.7	
Biocycle 2	Blower V2 (outlet)	BP2/B2-0	psi	0.30	18.7	
Biocycle 2	Blower V2 (outlet)	BP2/B2-0	°C	0.30	18.7	
Biocycle 2	Blower V2 (outlet)	BP2/B2-0	psi	0.30	18.7	
Biocycle 2	Blower V2 (outlet)	BP2/B2-0	°C	0.30	18.7	
Knockout Tank	Outlet		°C	0.150	17.4	
Activated Carbon Filter Tank	Outlet		°C	0.150	17.1	
Outlet			psi	0.20	0.28	

Monitoring Performed by: [Signature]  
Date Entered by: [Signature]  
Checked on Data Entry by: [Signature]  
Copy/Dispatched for backup by: [Signature]

Remarks: [Blank]

Contract No. CV/2007/06  
Kwai Chung Incineration Plant Demolition and Decommissioning Works  
Biocycle Instrumentation Daily Monitoring Form

Location	Parameter	Monitoring ID	Units	Range	Reading	Remarks
Biocycle 1	Blower V2 (outlet)	BP1/B1-1	Inches of Hg	-10.0 - 0.31	0.130	1/8
Biocycle 1	Blower V2 (outlet)	BP1/B1-1	°C	0.30	18.7	
Biocycle 1	Blower V2 (outlet)	BP1/B1-0	psi	0.30	18.7	
Biocycle 1	Blower V2 (outlet)	BP1/B1-0	°C	0.30	18.7	
Biocycle 1	Blower V2 (outlet)	BP1/B1-0	psi	0.30	18.7	
Biocycle 1	Blower V2 (outlet)	BP1/B1-0	°C	0.30	18.7	
Biocycle 2	Blower V2 (outlet)	BP2/B2-1	Inches of Hg	-10.0 - 0.30	0.130	1/8
Biocycle 2	Blower V2 (outlet)	BP2/B2-1	°C	0.30	18.7	
Biocycle 2	Blower V2 (outlet)	BP2/B2-0	psi	0.30	18.7	
Biocycle 2	Blower V2 (outlet)	BP2/B2-0	°C	0.30	18.7	
Biocycle 2	Blower V2 (outlet)	BP2/B2-0	psi	0.30	18.7	
Biocycle 2	Blower V2 (outlet)	BP2/B2-0	°C	0.30	18.7	
Knockout Tank	Outlet		°C	0.150	17.4	
Activated Carbon Filter Tank	Outlet		°C	0.150	17.1	
Outlet			psi	0.20	0.28	

Monitoring Performed by: [Signature]  
Date Entered by: [Signature]  
Checked on Data Entry by: [Signature]  
Copy/Dispatched for backup by: [Signature]

Remarks: [Blank]



Contract No. CV1240/03  
Kwai Chung Incineration Plant, Demolition and Decommissioning Works  
Biopile Instrumentation Daily Monitoring Form

Location	Parameter	Monitoring ID	Units	Range	Reading	Remarks
Biopile 1	Blower 1A (inlet)	BP1/B1-1	Inches of Hg	-10.0-0	0.3	
Biopile 1	Blower 1A (outlet)	BP1/B1-1	Inches of Hg	-10.0-0	0.3	
Biopile 1	Blower 1B (inlet)	BP1/B1-2	°C	0-150	23.5	
Biopile 1	Blower 1B (outlet)	BP1/B1-2	°C	0-150	23.5	
Biopile 1	Blower 1C (inlet)	BP1/B1-3	°C	0-150	23.5	
Biopile 1	Blower 1C (outlet)	BP1/B1-3	°C	0-150	23.5	
Biopile 2	Blower 2A (inlet)	BP2/B2-1	Inches of Hg	-10.0-0	0	
Biopile 2	Blower 2A (outlet)	BP2/B2-1	Inches of Hg	-10.0-0	0	
Biopile 2	Blower 2B (inlet)	BP2/B2-2	°C	0-150	23.5	
Biopile 2	Blower 2B (outlet)	BP2/B2-2	°C	0-150	23.5	
Biopile 2	Blower 2C (inlet)	BP2/B2-3	°C	0-150	23.5	
Biopile 2	Blower 2C (outlet)	BP2/B2-3	°C	0-150	23.5	
Blowdown Tank	Vacuum Extraction Manifold Pressure	BP2/B2-4	Inches of Hg	-10.0-0	0.2	
Knockout Tank	Vacuum Pressure	BP2/B2-5	°C	0-150	23.5	
Activated Carbon Filter	Temperature	BP2/B2-6	°C	0-150	23.5	
Stack	Static Pressure	BP2/B2-7	PSI	0-3.4	3.4	

Monitoring Performed by: [Signature]  
 Date of Entry: 22/12/2010  
 Date of Check: [Blank]  
 Time of Check: [Blank]  
 Time of Shutdown: [Blank]

Remarks: [Blank]

Contract No. CV1240/03  
Kwai Chung Incineration Plant, Demolition and Decommissioning Works  
Biopile Instrumentation Daily Monitoring Form

Location	Parameter	Monitoring ID	Units	Range	Reading	Remarks
Biopile 1	Blower 1A (inlet)	BP1/B1-1	Inches of Hg	-10.0-0	0.3	
Biopile 1	Blower 1A (outlet)	BP1/B1-1	Inches of Hg	-10.0-0	0.3	
Biopile 1	Blower 1B (inlet)	BP1/B1-2	°C	0-150	23.5	
Biopile 1	Blower 1B (outlet)	BP1/B1-2	°C	0-150	23.5	
Biopile 1	Blower 1C (inlet)	BP1/B1-3	°C	0-150	23.5	
Biopile 1	Blower 1C (outlet)	BP1/B1-3	°C	0-150	23.5	
Biopile 2	Blower 2A (inlet)	BP2/B2-1	Inches of Hg	-10.0-0	0	
Biopile 2	Blower 2A (outlet)	BP2/B2-1	Inches of Hg	-10.0-0	0	
Biopile 2	Blower 2B (inlet)	BP2/B2-2	°C	0-150	23.5	
Biopile 2	Blower 2B (outlet)	BP2/B2-2	°C	0-150	23.5	
Biopile 2	Blower 2C (inlet)	BP2/B2-3	°C	0-150	23.5	
Biopile 2	Blower 2C (outlet)	BP2/B2-3	°C	0-150	23.5	
Blowdown Tank	Vacuum Extraction Manifold Pressure	BP2/B2-4	Inches of Hg	-10.0-0	0.2	
Knockout Tank	Vacuum Pressure	BP2/B2-5	°C	0-150	23.5	
Activated Carbon Filter	Temperature	BP2/B2-6	°C	0-150	23.5	
Stack	Static Pressure	BP2/B2-7	PSI	0-3.4	3.4	

Monitoring Performed by: [Signature]  
 Date of Entry: 22/12/2010  
 Date of Check: [Blank]  
 Time of Check: [Blank]  
 Time of Shutdown: [Blank]

Remarks: [Blank]

Contract No. CV1240/03  
Kwai Chung Incineration Plant, Demolition and Decommissioning Works  
Biopile Instrumentation Daily Monitoring Form

Location	Parameter	Monitoring ID	Units	Range	Reading	Remarks
Biopile 1	Blower 1A (inlet)	BP1/B1-1	Inches of Hg	-10.0-0	0.3	
Biopile 1	Blower 1A (outlet)	BP1/B1-1	Inches of Hg	-10.0-0	0.3	
Biopile 1	Blower 1B (inlet)	BP1/B1-2	°C	0-150	23.5	
Biopile 1	Blower 1B (outlet)	BP1/B1-2	°C	0-150	23.5	
Biopile 1	Blower 1C (inlet)	BP1/B1-3	°C	0-150	23.5	
Biopile 1	Blower 1C (outlet)	BP1/B1-3	°C	0-150	23.5	
Biopile 2	Blower 2A (inlet)	BP2/B2-1	Inches of Hg	-10.0-0	0	
Biopile 2	Blower 2A (outlet)	BP2/B2-1	Inches of Hg	-10.0-0	0	
Biopile 2	Blower 2B (inlet)	BP2/B2-2	°C	0-150	23.5	
Biopile 2	Blower 2B (outlet)	BP2/B2-2	°C	0-150	23.5	
Biopile 2	Blower 2C (inlet)	BP2/B2-3	°C	0-150	23.5	
Biopile 2	Blower 2C (outlet)	BP2/B2-3	°C	0-150	23.5	
Blowdown Tank	Vacuum Extraction Manifold Pressure	BP2/B2-4	Inches of Hg	-10.0-0	0.2	
Knockout Tank	Vacuum Pressure	BP2/B2-5	°C	0-150	23.5	
Activated Carbon Filter	Temperature	BP2/B2-6	°C	0-150	23.5	
Stack	Static Pressure	BP2/B2-7	PSI	0-3.4	3.4	

Monitoring Performed by: [Signature]  
 Date of Entry: 22/12/2010  
 Date of Check: [Blank]  
 Time of Check: [Blank]  
 Time of Shutdown: [Blank]

Remarks: [Blank]

Contract No. CV1240/03  
Kwai Chung Incineration Plant, Demolition and Decommissioning Works  
Biopile Instrumentation Daily Monitoring Form

Location	Parameter	Monitoring ID	Units	Range	Reading	Remarks
Biopile 1	Blower 1A (inlet)	BP1/B1-1	Inches of Hg	-10.0-0	0.3	
Biopile 1	Blower 1A (outlet)	BP1/B1-1	Inches of Hg	-10.0-0	0.3	
Biopile 1	Blower 1B (inlet)	BP1/B1-2	°C	0-150	23.5	
Biopile 1	Blower 1B (outlet)	BP1/B1-2	°C	0-150	23.5	
Biopile 1	Blower 1C (inlet)	BP1/B1-3	°C	0-150	23.5	
Biopile 1	Blower 1C (outlet)	BP1/B1-3	°C	0-150	23.5	
Biopile 2	Blower 2A (inlet)	BP2/B2-1	Inches of Hg	-10.0-0	0	
Biopile 2	Blower 2A (outlet)	BP2/B2-1	Inches of Hg	-10.0-0	0	
Biopile 2	Blower 2B (inlet)	BP2/B2-2	°C	0-150	23.5	
Biopile 2	Blower 2B (outlet)	BP2/B2-2	°C	0-150	23.5	
Biopile 2	Blower 2C (inlet)	BP2/B2-3	°C	0-150	23.5	
Biopile 2	Blower 2C (outlet)	BP2/B2-3	°C	0-150	23.5	
Blowdown Tank	Vacuum Extraction Manifold Pressure	BP2/B2-4	Inches of Hg	-10.0-0	0.2	
Knockout Tank	Vacuum Pressure	BP2/B2-5	°C	0-150	23.5	
Activated Carbon Filter	Temperature	BP2/B2-6	°C	0-150	23.5	
Stack	Static Pressure	BP2/B2-7	PSI	0-3.4	3.4	

Monitoring Performed by: [Signature]  
 Date of Entry: 22/12/2010  
 Date of Check: [Blank]  
 Time of Check: [Blank]  
 Time of Shutdown: [Blank]

Remarks: [Blank]



Contract No. C17020705  
 Kwei Cheng Incineration Plant Demolition and Decommissioning Works  
 Biopile Instrumentation Daily Monitoring Form

Biopile #	Location	Parameter	Monitoring ID	Units	Range	Reading	Remarks
Biopile 1	Blower IA (inlet)	Static Pressure	BP1A/1-1	inches of Hg	-10.0 - 0.531		
Biopile 1	Blower IA (outlet)	Temperature	BP1A/1-1	°C	0 - 150	122.3	
Biopile 1	Blower IA (outlet)	Static Pressure	BP1A/1-0	inches of Hg	0 - 30	0.71	
Biopile 1	Blower IA (outlet)	Temperature	BP1A/1-0	°C	0 - 150	125.4	
Biopile 2	Blower IA (inlet)	Static Pressure	BP2A/2-1	inches of Hg	-10.0 - 0		
Biopile 2	Blower IA (outlet)	Temperature	BP2A/2-1	°C	0 - 150	22.3	
Biopile 2	Blower IA (outlet)	Static Pressure	BP2A/2-0	inches of Hg	-10.0 - 0		
Biopile 2	Blower IA (outlet)	Temperature	BP2A/2-0	°C	0 - 150	22.5	
Inlet before Tee to both biopiles:							
Knockout Tank	Inlet	Temperature		°C		8.24	
Knockout Tank	Outlet	Temperature		°C		9.5	
Activated Carbon Filter	Inlet	Temperature		°C		25.2	
Activated Carbon Filter	Outlet	Temperature		°C		22.5	
Trunk	Outlet	Static Pressure		PST		0.54	

Monitoring Performed by: KA  
 Date Entered by: KA  
 Check on Data Entry by: KA  
 Copy/Demarcate for backup by: KA

Remarks: 2.0-12-2014  
 Date of Entry: 12-0-12-2014  
 Time of Entry: 17:30 p.m.  
 Date of Check: 12-0-12-2014  
 Date of Backup: 17:30 p.m.  
 Time of Backup: 17:30 p.m.

Kwai Cheng Incineration Plant Demolition and Decommissioning Works  
 Biopile Instrumentation Daily Monitoring Form

Biopile #	Location	Parameter	Monitoring ID	Units	Range	Reading	Remarks
Biopile 1	Blower IA (inlet)	Static Pressure	BP1A/1-1	inches of Hg	-10.0 - 0.531		
Biopile 1	Blower IA (outlet)	Temperature	BP1A/1-1	°C	0 - 150	122.3	
Biopile 1	Blower IA (outlet)	Static Pressure	BP1A/1-0	inches of Hg	0 - 30	0.71	
Biopile 1	Blower IA (outlet)	Temperature	BP1A/1-0	°C	0 - 150	125.4	
Biopile 2	Blower IA (inlet)	Static Pressure	BP2A/2-1	inches of Hg	-10.0 - 0		
Biopile 2	Blower IA (outlet)	Temperature	BP2A/2-1	°C	0 - 150	22.3	
Biopile 2	Blower IA (outlet)	Static Pressure	BP2A/2-0	inches of Hg	-10.0 - 0		
Biopile 2	Blower IA (outlet)	Temperature	BP2A/2-0	°C	0 - 150	22.5	
Inlet before Tee to both biopiles:							
Knockout Tank	Inlet	Temperature		°C		8.24	
Knockout Tank	Outlet	Temperature		°C		9.5	
Activated Carbon Filter	Inlet	Temperature		°C		25.2	
Activated Carbon Filter	Outlet	Temperature		°C		22.5	
Trunk	Outlet	Static Pressure		PST		0.54	

Monitoring Performed by: KA  
 Date Entered by: KA  
 Check on Data Entry by: KA  
 Copy/Demarcate for backup by: KA

Remarks: 2.0-12-2014  
 Date of Entry: 12-0-12-2014  
 Time of Entry: 17:30 p.m.  
 Date of Check: 12-0-12-2014  
 Date of Backup: 17:30 p.m.  
 Time of Backup: 17:30 p.m.

Kwai Cheng Incineration Plant Demolition and Decommissioning Works  
 Biopile Instrumentation Daily Monitoring Form

Biopile #	Location	Parameter	Monitoring ID	Units	Range	Reading	Remarks
Biopile 1	Blower IA (inlet)	Static Pressure	BP1A/1-1	inches of Hg	-10.0 - 0.531		
Biopile 1	Blower IA (outlet)	Temperature	BP1A/1-1	°C	0 - 150	22.3	
Biopile 1	Blower IA (outlet)	Static Pressure	BP1A/1-0	inches of Hg	0 - 30	0.71	
Biopile 1	Blower IA (outlet)	Temperature	BP1A/1-0	°C	0 - 150	122.3	
Biopile 2	Blower IA (inlet)	Static Pressure	BP2A/2-1	inches of Hg	-10.0 - 0		
Biopile 2	Blower IA (outlet)	Temperature	BP2A/2-1	°C	0 - 150	22.3	
Biopile 2	Blower IA (outlet)	Static Pressure	BP2A/2-0	inches of Hg	-10.0 - 0		
Biopile 2	Blower IA (outlet)	Temperature	BP2A/2-0	°C	0 - 150	22.5	
Inlet before Tee to both biopiles:							
Knockout Tank	Inlet	Temperature		°C		8.24	
Knockout Tank	Outlet	Temperature		°C		9.5	
Activated Carbon Filter	Inlet	Temperature		°C		25.2	
Activated Carbon Filter	Outlet	Temperature		°C		22.5	
Trunk	Outlet	Static Pressure		PST		0.54	

Monitoring Performed by: KA  
 Date Entered by: KA  
 Check on Data Entry by: KA  
 Copy/Demarcate for backup by: KA

Remarks: 2.0-12-2014  
 Date of Entry: 12-0-12-2014  
 Time of Entry: 17:30 p.m.  
 Date of Check: 12-0-12-2014  
 Date of Backup: 17:30 p.m.  
 Time of Backup: 17:30 p.m.

Kwai Cheng Incineration Plant Demolition and Decommissioning Works  
 Biopile Instrumentation Daily Monitoring Form

Biopile #	Location	Parameter	Monitoring ID	Units	Range	Reading	Remarks
Biopile 1	Blower IA (inlet)	Static Pressure	BP1A/1-1	inches of Hg	-10.0 - 0.531		
Biopile 1	Blower IA (outlet)	Temperature	BP1A/1-1	°C	0 - 150	22.3	
Biopile 1	Blower IA (outlet)	Static Pressure	BP1A/1-0	inches of Hg	0 - 30	0.71	
Biopile 1	Blower IA (outlet)	Temperature	BP1A/1-0	°C	0 - 150	122.3	
Biopile 2	Blower IA (inlet)	Static Pressure	BP2A/2-1	inches of Hg	-10.0 - 0		
Biopile 2	Blower IA (outlet)	Temperature	BP2A/2-1	°C	0 - 150	22.3	
Biopile 2	Blower IA (outlet)	Static Pressure	BP2A/2-0	inches of Hg	-10.0 - 0		
Biopile 2	Blower IA (outlet)	Temperature	BP2A/2-0	°C	0 - 150	22.5	
Inlet before Tee to both biopiles:							
Knockout Tank	Inlet	Temperature		°C		8.24	
Knockout Tank	Outlet	Temperature		°C		9.5	
Activated Carbon Filter	Inlet	Temperature		°C		25.2	
Activated Carbon Filter	Outlet	Temperature		°C		22.5	
Trunk	Outlet	Static Pressure		PST		0.54	

Monitoring Performed by: KA  
 Date Entered by: KA  
 Check on Data Entry by: KA  
 Copy/Demarcate for backup by: KA

Remarks: 2.0-12-2014  
 Date of Entry: 12-0-12-2014  
 Time of Entry: 17:30 p.m.  
 Date of Check: 12-0-12-2014  
 Date of Backup: 17:30 p.m.  
 Time of Backup: 17:30 p.m.

Contract No. CV200706  
Kwai Chung Incineration Plant Demolition and Decommissioning - Works  
Biopile Instrumentation Daily Monitoring Form

Biopile Location	Parameter	Monitoring ID	Units	Range	Reading	Remarks
Biopile 1	Blower IA (inlet)	BP1/B1-1	Inches of Hg	-10.0 - 0.5	0.0	
	Blower IA (outlet)	BP1/B1-1	Inches of Hg	-10.0 - 0.5	0.0	
Biopile 1	Blower IA (inlet)	BP1/B1-2	°C	0 - 150	77	
	Blower IA (outlet)	BP1/B1-2	°C	0 - 150	77	
Biopile 1	Blower IA (inlet)	BP1/B1-3	Flow Rate	0 - 30	0.77	
	Blower IA (outlet)	BP1/B1-3	Flow Rate	0 - 30	0.77	
Biopile 2	Blower IA (inlet)	BP2/B2-1	Temperature	0 - 150	77	
	Blower IA (outlet)	BP2/B2-1	Temperature	0 - 150	77	
Biopile 2	Blower IA (inlet)	BP2/B2-2	Static Pressure	-10.0 - 0.5	0	
	Blower IA (outlet)	BP2/B2-2	Static Pressure	-10.0 - 0.5	0	
Biopile 2	Blower IA (inlet)	BP2/B2-3	Flow Rate	0 - 30	0	
	Blower IA (outlet)	BP2/B2-3	Flow Rate	0 - 30	0	
Biopile 2	Blower IA (inlet)	BP2/B2-4	Temperature	0 - 150	77	
	Blower IA (outlet)	BP2/B2-4	Temperature	0 - 150	77	
Biopile 2	Blower IA (inlet)	BP2/B2-5	Flow Rate	0 - 30	0	
	Blower IA (outlet)	BP2/B2-5	Flow Rate	0 - 30	0	
Maintenance Performed by						
Date Entered by				Time of Entry		
Check on Data Entry by				Date of Check		
Copy/Dispatch for backup by				Date of Backup		

Remarks:

01:00

Biopile Instrumentation Daily Monitoring Form

Biopile Location	Parameter	Monitoring ID	Units	Range	Reading	Remarks
Biopile 1	Blower IA (inlet)	BP1/B1-1	Inches of Hg	-10.0 - 0.5	0.0	
	Blower IA (outlet)	BP1/B1-1	Inches of Hg	-10.0 - 0.5	0.0	
Biopile 1	Blower IA (inlet)	BP1/B1-2	°C	0 - 150	77	
	Blower IA (outlet)	BP1/B1-2	°C	0 - 150	77	
Biopile 1	Blower IA (inlet)	BP1/B1-3	Flow Rate	0 - 30	0.77	
	Blower IA (outlet)	BP1/B1-3	Flow Rate	0 - 30	0.77	
Biopile 2	Blower IA (inlet)	BP2/B2-1	Temperature	0 - 150	77	
	Blower IA (outlet)	BP2/B2-1	Temperature	0 - 150	77	
Biopile 2	Blower IA (inlet)	BP2/B2-2	Static Pressure	-10.0 - 0.5	0	
	Blower IA (outlet)	BP2/B2-2	Static Pressure	-10.0 - 0.5	0	
Biopile 2	Blower IA (inlet)	BP2/B2-3	Flow Rate	0 - 30	0	
	Blower IA (outlet)	BP2/B2-3	Flow Rate	0 - 30	0	
Biopile 2	Blower IA (inlet)	BP2/B2-4	Temperature	0 - 150	77	
	Blower IA (outlet)	BP2/B2-4	Temperature	0 - 150	77	
Maintenance Performed by						
Date Entered by				Time of Entry		
Check on Data Entry by				Date of Check		
Copy/Dispatch for backup by				Date of Backup		

Remarks:

01:00

Biopile Instrumentation Daily Monitoring Form

Contract No. CV200706  
Kwai Chung Incineration Plant Demolition and Decommissioning Works  
Biopile Instrumentation Daily Monitoring Form

01:00

01:00

01:00

Location	Parameter	Monitoring ID	Units	Range	Reading	Remarks
Biopile 1	Blower 1A (inlet)	BP1/B1-I	inches of Hg	-10.0	-9.3	
Biopile 1	Blower 1A (outlet)	BP1/B1-O	inches of Hg	-10.0	-9.3	
Biopile 1	Blower 1A (inlet)	BP1/B1-I	°C	0-150	16.8	
Biopile 1	Blower 1A (outlet)	BP1/B1-O	°C	0-150	16.1	
Biopile 1	Blower 1A (inlet)	BP1/B1-I	psi	0-150	17.9	
Biopile 1	Blower 1A (outlet)	BP1/B1-O	psi	0-150	17.9	
Biopile 2	Blower 2A (inlet)	BP2/B2-I	inches of Hg	-10.0	0	
Biopile 2	Blower 2A (outlet)	BP2/B2-O	inches of Hg	-10.0	0	
Biopile 2	Blower 2A (inlet)	BP2/B2-I	°C	0-150	16.8	
Biopile 2	Blower 2A (outlet)	BP2/B2-O	°C	0-150	16.8	
Biopile 2	Blower 2A (inlet)	BP2/B2-I	psi	0-150	17.9	
Biopile 2	Blower 2A (outlet)	BP2/B2-O	psi	0-150	17.9	
Knockout Tank	Inlet		°C	0-150	17.9	
Knockout Tank	Outlet		°C	0-150	17.9	
Activated Carbon Filter	Inlet		psi	0-150	17.9	
Activated Carbon Filter	Outlet		psi	0-150	17.9	
Manometer Performed by						
Date Entered by						
Check on Data Entry by						
Copy/Dispatch for backup by						
Remarks						

Contract No. CV200706  
 Kraft Cheese Inc. Dairy Plant Demolition and Decommission Works  
 Biologic Instrumentation Dairy Monitoring Form

Location	Parameter	Monitoring ID	Units	Range	Reading	Remarks
Biopile 1	Blower 1A (inlet)	BP1/B1-I	inches of Hg	-10.0	-9.3	
Biopile 1	Blower 1A (outlet)	BP1/B1-O	inches of Hg	-10.0	-9.3	
Biopile 1	Blower 1A (inlet)	BP1/B1-I	°C	0-150	17.1	
Biopile 1	Blower 1A (outlet)	BP1/B1-O	°C	0-150	17.1	
Biopile 1	Blower 1A (inlet)	BP1/B1-I	psi	0-150	17.1	
Biopile 1	Blower 1A (outlet)	BP1/B1-O	psi	0-150	17.1	
Biopile 2	Blower 2A (inlet)	BP2/B2-I	inches of Hg	-10.0	0	
Biopile 2	Blower 2A (outlet)	BP2/B2-O	inches of Hg	-10.0	0	
Biopile 2	Blower 2A (inlet)	BP2/B2-I	°C	0-150	17.1	
Biopile 2	Blower 2A (outlet)	BP2/B2-O	°C	0-150	17.1	
Biopile 2	Blower 2A (inlet)	BP2/B2-I	psi	0-150	17.1	
Biopile 2	Blower 2A (outlet)	BP2/B2-O	psi	0-150	17.1	
Knockout Tank	Inlet		°C	0-150	17.1	
Knockout Tank	Outlet		°C	0-150	17.1	
Activated Carbon Filter	Inlet		psi	0-150	17.1	
Activated Carbon Filter	Outlet		psi	0-150	17.1	
Manometer Performed by						
Date Entered by						
Check on Data Entry by						
Copy/Dispatch for backup by						
Remarks						

Contract No. CV200706  
 Kraft Cheese Inc. Dairy Plant Demolition and Decommission Works  
 Biologic Instrumentation Dairy Monitoring Form

Location	Parameter	Monitoring ID	Units	Range	Reading	Remarks
Biopile 1	Blower 1A (inlet)	BP1/B1-I	inches of Hg	-10.0	-9.3	
Biopile 1	Blower 1A (outlet)	BP1/B1-O	inches of Hg	-10.0	-9.3	
Biopile 1	Blower 1A (inlet)	BP1/B1-I	°C	0-150	17.1	
Biopile 1	Blower 1A (outlet)	BP1/B1-O	°C	0-150	17.1	
Biopile 1	Blower 1A (inlet)	BP1/B1-I	psi	0-150	17.1	
Biopile 1	Blower 1A (outlet)	BP1/B1-O	psi	0-150	17.1	
Biopile 2	Blower 2A (inlet)	BP2/B2-I	inches of Hg	-10.0	0	
Biopile 2	Blower 2A (outlet)	BP2/B2-O	inches of Hg	-10.0	0	
Biopile 2	Blower 2A (inlet)	BP2/B2-I	°C	0-150	17.1	
Biopile 2	Blower 2A (outlet)	BP2/B2-O	°C	0-150	17.1	
Biopile 2	Blower 2A (inlet)	BP2/B2-I	psi	0-150	17.1	
Biopile 2	Blower 2A (outlet)	BP2/B2-O	psi	0-150	17.1	
Knockout Tank	Inlet		°C	0-150	17.1	
Knockout Tank	Outlet		°C	0-150	17.1	
Activated Carbon Filter	Inlet		psi	0-150	17.1	
Activated Carbon Filter	Outlet		psi	0-150	17.1	
Manometer Performed by						
Date Entered by						
Check on Data Entry by						
Copy/Dispatch for backup by						
Remarks						

Contract No. CV200706  
 Kraft Cheese Inc. Dairy Plant Demolition and Decommission Works  
 Biologic Instrumentation Dairy Monitoring Form

Location	Parameter	Monitoring ID	Units	Range	Reading	Remarks
Biopile 1	Blower 1A (inlet)	BP1/B1-I	inches of Hg	-10.0	-9.3	
Biopile 1	Blower 1A (outlet)	BP1/B1-O	inches of Hg	-10.0	-9.3	
Biopile 1	Blower 1A (inlet)	BP1/B1-I	°C	0-150	17.1	
Biopile 1	Blower 1A (outlet)	BP1/B1-O	°C	0-150	17.1	
Biopile 1	Blower 1A (inlet)	BP1/B1-I	psi	0-150	17.1	
Biopile 1	Blower 1A (outlet)	BP1/B1-O	psi	0-150	17.1	
Biopile 2	Blower 2A (inlet)	BP2/B2-I	inches of Hg	-10.0	0	
Biopile 2	Blower 2A (outlet)	BP2/B2-O	inches of Hg	-10.0	0	
Biopile 2	Blower 2A (inlet)	BP2/B2-I	°C	0-150	17.1	
Biopile 2	Blower 2A (outlet)	BP2/B2-O	°C	0-150	17.1	
Biopile 2	Blower 2A (inlet)	BP2/B2-I	psi	0-150	17.1	
Biopile 2	Blower 2A (outlet)	BP2/B2-O	psi	0-150	17.1	
Knockout Tank	Inlet		°C	0-150	17.1	
Knockout Tank	Outlet		°C	0-150	17.1	
Activated Carbon Filter	Inlet		psi	0-150	17.1	
Activated Carbon Filter	Outlet		psi	0-150	17.1	
Manometer Performed by						
Date Entered by						
Check on Data Entry by						
Copy/Dispatch for backup by						
Remarks						





Location	Parameter	Monitoring ID	Units	Range	Reading	Remarks
Biocle 1 Blower 1A (inlet)	Vacuum Pressure	R/P / R-1	inches of Hg	-10.0	-10.2	
Biocle 1 Blower 1A (outlet)	Temperature	R/P / R-1	°C	0-150	16.8	
Biocle 1 Blower 1A (inlet)	Static Pressure	R/P / R-1	psi	0-30	1.71	
Biocle 1 Blower 1A (outlet)	Flow Rate	R/P / R-1	gpm	0-50	1.71	
Biocle 1 Blower 1A (inlet)	Temperature	R/P / R-1	°C	0-150	12.0	
Biocle 1 Blower 1A (outlet)	Vacuum Pressure	R/P / R-1	inches of Hg	-10.0	-10.0	
Biocle 2 Blower 2A (inlet)	Static Pressure	R/P / R-2	psi	0-30	1.58	
Biocle 2 Blower 2A (outlet)	Temperature	R/P / R-2	°C	0-150	15.8	
Biocle 2 Blower 2A (inlet)	Flow Rate	R/P / R-2	gpm	0-50	1.58	
Biocle 2 Blower 2A (outlet)	Vacuum Pressure	R/P / R-2	inches of Hg	-10.0	-10.0	
Biocle 2 Blower 2A (inlet)	Temperature	R/P / R-2	°C	0-150	15.8	
Biocle 2 Blower 2A (outlet)	Static Pressure	R/P / R-2	psi	0-30	1.58	
Blowdown Tank	Temperature	R/P / R-3	°C	0-150	23.4	
Activated Carbon Filter Tank	Temperature	R/P / R-4	°C	0-150	23.4	
Monitoring Performed by	Date of Entry: 7/12/2000					
Checked on Data Entry by	Date of Check: 7/13/2000					
Copy/Dispatch for backup by	Date of Backup: 7/13/2000					

Remarks:

Contract No. CV200706  
Kvaeg Chung Instrumentation Plant Demolition and Decommissioning Works  
Biocle Instrumentation Daily Monitoring Form

Location	Parameter	Monitoring ID	Units	Range	Reading	Remarks
Biocle 1 Blower 1A (inlet)	Vacuum Pressure	R/P / R-1	inches of Hg	-10.0	-10.2	
Biocle 1 Blower 1A (outlet)	Temperature	R/P / R-1	°C	0-150	16.8	
Biocle 1 Blower 1A (inlet)	Static Pressure	R/P / R-1	psi	0-30	1.71	
Biocle 1 Blower 1A (outlet)	Flow Rate	R/P / R-1	gpm	0-50	1.71	
Biocle 1 Blower 1A (inlet)	Temperature	R/P / R-1	°C	0-150	12.0	
Biocle 1 Blower 1A (outlet)	Vacuum Pressure	R/P / R-1	inches of Hg	-10.0	-10.0	
Biocle 2 Blower 2A (inlet)	Static Pressure	R/P / R-2	psi	0-30	1.58	
Biocle 2 Blower 2A (outlet)	Temperature	R/P / R-2	°C	0-150	15.8	
Biocle 2 Blower 2A (inlet)	Flow Rate	R/P / R-2	gpm	0-50	1.58	
Biocle 2 Blower 2A (outlet)	Vacuum Pressure	R/P / R-2	inches of Hg	-10.0	-10.0	
Blowdown Tank	Temperature	R/P / R-3	°C	0-150	23.4	
Activated Carbon Filter Tank	Temperature	R/P / R-4	°C	0-150	23.4	
Monitoring Performed by	Date of Entry: 7/12/2000					
Checked on Data Entry by	Date of Check: 7/13/2000					
Copy/Dispatch for backup by	Date of Backup: 7/13/2000					

Remarks:

Contract No. CV200706  
Kvaeg Chung Instrumentation Plant Demolition and Decommissioning Works  
Biocle Instrumentation Daily Monitoring Form

Location	Parameter	Monitoring ID	Units	Range	Reading	Remarks
Biocle 1 Blower 1A (inlet)	Vacuum Pressure	R/P / R-1	inches of Hg	-10.0	-10.2	
Biocle 1 Blower 1A (outlet)	Temperature	R/P / R-1	°C	0-150	16.8	
Biocle 1 Blower 1A (inlet)	Static Pressure	R/P / R-1	psi	0-30	1.71	
Biocle 1 Blower 1A (outlet)	Flow Rate	R/P / R-1	gpm	0-50	1.71	
Biocle 1 Blower 1A (inlet)	Temperature	R/P / R-1	°C	0-150	12.0	
Biocle 1 Blower 1A (outlet)	Vacuum Pressure	R/P / R-1	inches of Hg	-10.0	-10.0	
Biocle 2 Blower 2A (inlet)	Static Pressure	R/P / R-2	psi	0-30	1.58	
Biocle 2 Blower 2A (outlet)	Temperature	R/P / R-2	°C	0-150	15.8	
Biocle 2 Blower 2A (inlet)	Flow Rate	R/P / R-2	gpm	0-50	1.58	
Biocle 2 Blower 2A (outlet)	Vacuum Pressure	R/P / R-2	inches of Hg	-10.0	-10.0	
Blowdown Tank	Temperature	R/P / R-3	°C	0-150	23.4	
Activated Carbon Filter Tank	Temperature	R/P / R-4	°C	0-150	23.4	
Monitoring Performed by	Date of Entry: 7/12/2000					
Checked on Data Entry by	Date of Check: 7/13/2000					
Copy/Dispatch for backup by	Date of Backup: 7/13/2000					

Remarks:









Biologic	Location	Parameter	Monitoring ID	Units	Range	Reading	Remarks
Biologic 1	Blower 1A (outlet)	Vacuum Pressure	BP1/B1-1	inches of Hg	-10 to 0	-0.3	
Biologic 1	Blower 1A (inlet)	Temperature	BP1/B1-1	°C		22.4	
Biologic 1	Blower 1A (outlet)	Static Pressure	BP1/B1-0	inches of Hg	0 to 30	2.2	
Biologic 1	Blower 1A (outlet)	Flow Rate	BP1/B1-0	PSI		0.158	
Biologic 1	Blower 1A (outlet)	Temperature	BP1/B1-0	°C		26.5	
Biologic 2	Blower 2A (outlet)	Vacuum Pressure	BP2/B2-1	inches of Hg	-10 to 0	-0.3	
Biologic 2	Blower 2A (inlet)	Temperature	BP2/B2-1	°C		22.4	
Biologic 2	Blower 2A (outlet)	Static Pressure	BP2/B2-0	inches of Hg	0 to 30	2.2	
Biologic 2	Blower 2A (outlet)	Flow Rate	BP2/B2-0	PSI		0.158	
Biologic 2	Blower 2A (outlet)	Temperature	BP2/B2-0	°C		26.5	
Blowdown	Blowdown Tank	Vacuum Pressure	BP3/B3-1	inches of Hg	-10 to 0	-0.3	
Blowdown	Blowdown Tank	Temperature	BP3/B3-1	°C		22.4	
Blowdown	Blowdown Tank	Static Pressure	BP3/B3-0	inches of Hg	0 to 30	2.2	
Blowdown	Blowdown Tank	Flow Rate	BP3/B3-0	PSI		0.158	
Blowdown	Blowdown Tank	Temperature	BP3/B3-0	°C		26.5	

Monitoring Performed by: [Signature]  
Date of Entry: 14/12/2015  
Time of Check: 17:00  
Checked on Data Entry by: [Signature]  
Copy/Dispatch for backup by: [Signature]

Biologic Instrumentation Daily Monitoring Form

Biologic	Location	Parameter	Monitoring ID	Units	Range	Reading	Remarks
Biologic 1	Blower 1A (outlet)	Vacuum Pressure	BP1/B1-1	inches of Hg	-10 to 0	-0.3	
Biologic 1	Blower 1A (inlet)	Temperature	BP1/B1-1	°C		22.4	
Biologic 1	Blower 1A (outlet)	Static Pressure	BP1/B1-0	inches of Hg	0 to 30	2.2	
Biologic 1	Blower 1A (outlet)	Flow Rate	BP1/B1-0	PSI		0.158	
Biologic 1	Blower 1A (outlet)	Temperature	BP1/B1-0	°C		26.5	
Biologic 2	Blower 2A (outlet)	Vacuum Pressure	BP2/B2-1	inches of Hg	-10 to 0	-0.3	
Biologic 2	Blower 2A (inlet)	Temperature	BP2/B2-1	°C		22.4	
Biologic 2	Blower 2A (outlet)	Static Pressure	BP2/B2-0	inches of Hg	0 to 30	2.2	
Biologic 2	Blower 2A (outlet)	Flow Rate	BP2/B2-0	PSI		0.158	
Biologic 2	Blower 2A (outlet)	Temperature	BP2/B2-0	°C		26.5	
Blowdown	Blowdown Tank	Vacuum Pressure	BP3/B3-1	inches of Hg	-10 to 0	-0.3	
Blowdown	Blowdown Tank	Temperature	BP3/B3-1	°C		22.4	
Blowdown	Blowdown Tank	Static Pressure	BP3/B3-0	inches of Hg	0 to 30	2.2	
Blowdown	Blowdown Tank	Flow Rate	BP3/B3-0	PSI		0.158	
Blowdown	Blowdown Tank	Temperature	BP3/B3-0	°C		26.5	

Monitoring Performed by: [Signature]  
Date of Entry: 14/12/2015  
Time of Check: 17:00  
Checked on Data Entry by: [Signature]  
Copy/Dispatch for backup by: [Signature]

Biologic	Location	Parameter	Monitoring ID	Units	Range	Reading	Remarks
Biologic 1	Blower 1A (outlet)	Vacuum Pressure	BP1/B1-1	inches of Hg	-10 to 0	-0.3	
Biologic 1	Blower 1A (inlet)	Temperature	BP1/B1-1	°C		22.4	
Biologic 1	Blower 1A (outlet)	Static Pressure	BP1/B1-0	inches of Hg	0 to 30	2.2	
Biologic 1	Blower 1A (outlet)	Flow Rate	BP1/B1-0	PSI		0.158	
Biologic 1	Blower 1A (outlet)	Temperature	BP1/B1-0	°C		26.5	
Biologic 2	Blower 2A (outlet)	Vacuum Pressure	BP2/B2-1	inches of Hg	-10 to 0	-0.3	
Biologic 2	Blower 2A (inlet)	Temperature	BP2/B2-1	°C		22.4	
Biologic 2	Blower 2A (outlet)	Static Pressure	BP2/B2-0	inches of Hg	0 to 30	2.2	
Biologic 2	Blower 2A (outlet)	Flow Rate	BP2/B2-0	PSI		0.158	
Biologic 2	Blower 2A (outlet)	Temperature	BP2/B2-0	°C		26.5	
Blowdown	Blowdown Tank	Vacuum Pressure	BP3/B3-1	inches of Hg	-10 to 0	-0.3	
Blowdown	Blowdown Tank	Temperature	BP3/B3-1	°C		22.4	
Blowdown	Blowdown Tank	Static Pressure	BP3/B3-0	inches of Hg	0 to 30	2.2	
Blowdown	Blowdown Tank	Flow Rate	BP3/B3-0	PSI		0.158	
Blowdown	Blowdown Tank	Temperature	BP3/B3-0	°C		26.5	

Monitoring Performed by: [Signature]  
Date of Entry: 14/12/2015  
Time of Check: 17:00  
Checked on Data Entry by: [Signature]  
Copy/Dispatch for backup by: [Signature]

Biologic	Location	Parameter	Monitoring ID	Units	Range	Reading	Remarks
Biologic 1	Blower 1A (outlet)	Vacuum Pressure	BP1/B1-1	inches of Hg	-10 to 0	-0.3	
Biologic 1	Blower 1A (inlet)	Temperature	BP1/B1-1	°C		22.4	
Biologic 1	Blower 1A (outlet)	Static Pressure	BP1/B1-0	inches of Hg	0 to 30	2.2	
Biologic 1	Blower 1A (outlet)	Flow Rate	BP1/B1-0	PSI		0.158	
Biologic 1	Blower 1A (outlet)	Temperature	BP1/B1-0	°C		26.5	
Biologic 2	Blower 2A (outlet)	Vacuum Pressure	BP2/B2-1	inches of Hg	-10 to 0	-0.3	
Biologic 2	Blower 2A (inlet)	Temperature	BP2/B2-1	°C		22.4	
Biologic 2	Blower 2A (outlet)	Static Pressure	BP2/B2-0	inches of Hg	0 to 30	2.2	
Biologic 2	Blower 2A (outlet)	Flow Rate	BP2/B2-0	PSI		0.158	
Biologic 2	Blower 2A (outlet)	Temperature	BP2/B2-0	°C		26.5	
Blowdown	Blowdown Tank	Vacuum Pressure	BP3/B3-1	inches of Hg	-10 to 0	-0.3	
Blowdown	Blowdown Tank	Temperature	BP3/B3-1	°C		22.4	
Blowdown	Blowdown Tank	Static Pressure	BP3/B3-0	inches of Hg	0 to 30	2.2	
Blowdown	Blowdown Tank	Flow Rate	BP3/B3-0	PSI		0.158	
Blowdown	Blowdown Tank	Temperature	BP3/B3-0	°C		26.5	

Monitoring Performed by: [Signature]  
Date of Entry: 14/12/2015  
Time of Check: 17:00  
Checked on Data Entry by: [Signature]  
Copy/Dispatch for backup by: [Signature]



Contract No. CV700705  
 Kwai Chung Incineration Plant Demolition and Decontamination Works  
 Biopile Instrumentation Data Monitoring Form

Location	Parameter	Mounting ID	Units	Range / Reading	Remarks
Biopile 1	Blower 1/2 (inlet)	B P 1 / B 1 - 1	inches of Hg	-0.0 - 0.3	
Biopile 1	Blower 1/2 (outlet)	B P 1 / B 1 - 1	°C	0 - 150	2.4, 2
Biopile 1	Blower 1/2 (inlet)	B P 1 / B 1 - 0	psi	0 - 30	0.7, 1.1
Biopile 1	Blower 1/2 (outlet)	B P 1 / B 1 - 0	psi	0 - 30	0.6, 1
Biopile 1	Blower 1/2 (inlet)	B P 1 / B 1 - 0	°C	0 - 150	2.6, 3
Biopile 2	Blower 2/2 (inlet)	B P 2 / B 2 - 1	inches of Hg	-0.0 - 0	
Biopile 2	Blower 2/2 (outlet)	B P 2 / B 2 - 1	°C	0 - 150	3.2, 2
Biopile 2	Blower 2/2 (inlet)	B P 2 / B 2 - 0	psi	0 - 30	0
Biopile 2	Blower 2/2 (outlet)	B P 2 / B 2 - 0	psi	0 - 30	0
Biopile 2	Blower 2/2 (inlet)	B P 2 / B 2 - 0	°C	0 - 150	2.6, 3
Biopile 2	Blower 2/2 (outlet)	B P 2 / B 2 - 0	°C	0 - 150	2.6, 3
Inlet before Tie to both biopiles	Vacuum Extraction	B P 2 / B 2 - 0	inches of Hg	-10 - 0	-0.13
Blowers	Manifold Pressure		inches of Hg	-10 - 0	-0.13
Inlet	Vacuum Pressure		inches of Hg	-10 - 0	-0.13
Outlet	Vacuum Pressure		inches of Hg	-10 - 0	-0.13
Knockout Tank	Vacuum Pressure		inches of Hg	-10 - 0	-0.13
Inlet	Temperature		°C	0 - 150	2.4, 6
Outlet	Temperature		°C	0 - 150	2.3, 2
Inlet	Temperature		°C	0 - 150	2.3, 2
Outlet	Temperature		°C	0 - 150	2.5, 8
Carbon Filler Tank	Static Pressure		psi	0 - 3.6	0.3, 6
Outlet	Static Pressure		psi	0 - 3.6	0.3, 6

Monitoring Performed by	
Data Entered by	EL
Checked on Data Entry by	
Copy/Dispatch for backup by	

Date of Entry	12 / 12 / 2010	Time of Entry	9:20:5
Date of Check		Time of Check	
Date of Backup		Time of Backup	

Remarks:







Contract No. CW/20/07/06  
 Kwai Chung Incineration Plant Demolition and Decommission Works  
 Biogas Implementation Daily Monitoring Report

Location	Parameter	Monitoring ID	Units	Range	Result	Remarks
Biogas 1	Blower V2 (outlet) Vacuum Pressure	B P1 B1-1	inches of Hg	-10.0	-10.5	
Biogas 1	Blower V2 (outlet) Temperature	B T1 B1-1	°C	0-150	24.1	
Biogas 1	Blower V2 (outlet) Static Pressure	B P1 B1-0	psi	0-20	0.7	
Biogas 1	Blower V2 (outlet) Flow Rate	B F1 B1-0	SCFM		16.5	
Biogas 1	Blower V2 (outlet) Temperature	B T1 B1-0	°C	0-150	25.2	
Biogas 2	Blower V2 (outlet) Vacuum Pressure	B P2 B2-1	inches of Hg	-10.0	-10.5	
Biogas 2	Blower V2 (outlet) Temperature	B T2 B2-1	°C	0-150	24.1	
Biogas 2	Blower V2 (outlet) Static Pressure	B P2 B2-0	psi	0-20	0.7	
Biogas 2	Blower V2 (outlet) Flow Rate	B F2 B2-0	SCFM		16.5	
Biogas 2	Blower V2 (outlet) Temperature	B T2 B2-0	°C	0-150	25.2	
Blowers	Blow before Test in both biogas		inches of Hg	-10.0	-10.5	
Knockout Tank	Inlet Vacuum Pressure		psi	0-3	0	
Knockout Tank	Outlet Vacuum Pressure		psi	0-3	0	
Knockout Tank	Temperature		°C	0-150	23.1	
Activated Carbon Filter Tank	Inlet Temperature		°C	0-150	20.1	
Activated Carbon Filter Tank	Outlet Temperature		°C	0-150	25.2	
Activated Carbon Filter Tank	Static Pressure		PSI		2.5	
Monitoring Performed by						
Data Entered by						
Checked on Data Entry by	✓	Date of Entry	11/12/2010	Time of Entry	17:20	
Copy/Dispatch for backup by		Date of Check		Time of Check		
		Date of Backup		Time of Backup		

Remarks:

Contract No. CW/20/07/06  
 Kwai Chung Incineration Plant Demolition and Decommission Works  
 Biogas Implementation Daily Monitoring Report

Location	Parameter	Monitoring ID	Units	Range	Result	Remarks
Biogas 1	Blower V2 (outlet) Vacuum Pressure	B P1 B1-1	inches of Hg	-10.0	-10.5	
Biogas 1	Blower V2 (outlet) Temperature	B T1 B1-1	°C	0-150	24.1	
Biogas 1	Blower V2 (outlet) Static Pressure	B P1 B1-0	psi	0-20	0.7	
Biogas 1	Blower V2 (outlet) Flow Rate	B F1 B1-0	SCFM		16.5	
Biogas 1	Blower V2 (outlet) Temperature	B T1 B1-0	°C	0-150	25.2	
Biogas 2	Blower V2 (outlet) Vacuum Pressure	B P2 B2-1	inches of Hg	-10.0	-10.5	
Biogas 2	Blower V2 (outlet) Temperature	B T2 B2-1	°C	0-150	24.1	
Biogas 2	Blower V2 (outlet) Static Pressure	B P2 B2-0	psi	0-20	0.7	
Biogas 2	Blower V2 (outlet) Flow Rate	B F2 B2-0	SCFM		16.5	
Biogas 2	Blower V2 (outlet) Temperature	B T2 B2-0	°C	0-150	25.2	
Blowers	Blow before Test in both biogas		inches of Hg	-10.0	-10.5	
Knockout Tank	Inlet Vacuum Pressure		psi	0-3	0	
Knockout Tank	Outlet Vacuum Pressure		psi	0-3	0	
Knockout Tank	Temperature		°C	0-150	23.1	
Activated Carbon Filter Tank	Inlet Temperature		°C	0-150	20.1	
Activated Carbon Filter Tank	Outlet Temperature		°C	0-150	25.2	
Activated Carbon Filter Tank	Static Pressure		PSI		2.5	
Monitoring Performed by						
Data Entered by						
Checked on Data Entry by	✓	Date of Entry	11/12/2010	Time of Entry	13:00	
Copy/Dispatch for backup by		Date of Check		Time of Check		
		Date of Backup		Time of Backup		

Remarks:

Contract No. CV0210705  
 Kwaik Chung Incineration Plant Demolition and Decommission Work  
 Example Instrumentation Data Monitoring Form

Location	Parameter	Manufacturer ID	Units	Reading	Remarks
Biogas 1	Blower V2 (outlet)	BP1-033-1	inches of Hg	0-150	
Biogas 1	Blower V2 (outlet)	BP1-033-1	Temperature	0-150	
Biogas 1	Blower V2 (outlet)	BP1-033-1	Static Pressure	0-150	
Biogas 1	Blower V2 (outlet)	BP1-033-1	Flow Rate	0-30	
Biogas 1	Blower V2 (outlet)	BP1-033-1	Temperature	0-150	
Biogas 2	Blower V2 (outlet)	BP2-033-1	inches of Hg	0-150	
Biogas 2	Blower V2 (outlet)	BP2-033-1	Temperature	0-150	
Biogas 2	Blower V2 (outlet)	BP2-033-1	Static Pressure	0-150	
Biogas 2	Blower V2 (outlet)	BP2-033-1	Flow Rate	0-30	
Biogas 2	Blower V2 (outlet)	BP2-033-1	Temperature	0-150	
inlet before two to both biogas blowers	Vacuum Extraction Manifold Pressure	BP2-033-0	inches of Hg	-10-0	
inlet	Vacuum Pressure		inches of Hg	-10-0	
Outlet	Vacuum Pressure		inches of Hg	-10-0	
inlet	Temperature		°C	0-150	
Outlet	Temperature		°C	0-150	
inlet	Temperature		°C	0-150	
Outlet	Temperature		°C	0-150	
inlet	Static Pressure		PSI	0-30	
Outlet	Static Pressure		PSI	0-30	
Monitoring Performed by					
Date Entered by					
Checked On Data Entry by					
Date of Check					
Time of Check					
Date of Backup					
Time of Backup					
Remarks					

Date of Entry 11-12-2011  
 Time of Entry 9:30

Date of Check  
 Time of Check  
 Date of Backup  
 Time of Backup

Remarks



Xcel Clog Incineration Plant Demolition and Decommission Works  
Biologic Information Daily Monitoring Form

Location	Parameter	Monitoring ID	Units	Range	Reading	Remarks
Biologic 1	Blower 1/2 (outlet)	BP1/BI-1	Inches of Hg	-10.0	-6.31	
Biologic 1	Blower 1/2 (outlet)	BP1/BI-1	°C	0-150	78.2	
Biologic 1	Blower 1/2 (outlet)	BP1/BI-1	psi	0-30	0.71	
Biologic 1	Blower 1/2 (outlet)	BP1/BI-1	°C	0-200	120.5	
Biologic 1	Blower 1/2 (outlet)	BP1/BI-1	Inches of Hg	-10.0	1.22	
Biologic 2	Blower 2/2 (outlet)	BP2/BI-2	Inches of Hg	-10.0	6.9	
Biologic 2	Blower 2/2 (outlet)	BP2/BI-2	°C	0-150	73.5	
Biologic 2	Blower 2/2 (outlet)	BP2/BI-2	psi	0-30	0.8	
Biologic 2	Blower 2/2 (outlet)	BP2/BI-2	°C	0-200	127	
Biologic 2	Blower 2/2 (outlet)	BP2/BI-2	Inches of Hg	-10.0	0.3	
Blowdown Tank	Outlet		°C	0-150	77	
Activated Carbon Filter	Outlet		°C	0-150	74.9	
Blowdown Tank	Outlet		psi	0-30	0.34	

Contract No. CV200705  
Xcel Clog Incineration Plant Demolition and Decommission Works  
Biologic Information Daily Monitoring Form

Location	Parameter	Monitoring ID	Units	Range	Reading	Remarks
Biologic 1	Blower 1/2 (outlet)	BP1/BI-1	Inches of Hg	-10.0	-0.31	
Biologic 1	Blower 1/2 (outlet)	BP1/BI-1	°C	0-150	15.1	
Biologic 1	Blower 1/2 (outlet)	BP1/BI-1	psi	0-30	0.71	
Biologic 1	Blower 1/2 (outlet)	BP1/BI-1	°C	0-200	120.5	
Biologic 1	Blower 1/2 (outlet)	BP1/BI-1	Inches of Hg	-10.0	1.72	
Biologic 2	Blower 2/2 (outlet)	BP2/BI-2	Inches of Hg	-10.0	0	
Biologic 2	Blower 2/2 (outlet)	BP2/BI-2	°C	0-150	15.1	
Biologic 2	Blower 2/2 (outlet)	BP2/BI-2	psi	0-30	0	
Biologic 2	Blower 2/2 (outlet)	BP2/BI-2	°C	0-200	120.5	
Biologic 2	Blower 2/2 (outlet)	BP2/BI-2	Inches of Hg	-10.0	1.72	
Blowdown Tank	Outlet		°C	0-150	64.2	
Activated Carbon Filter	Outlet		°C	0-150	15.1	
Blowdown Tank	Outlet		psi	0-30	1.84	
Blowdown Tank	Outlet		psi	0-30	0.38	

Monitoring Performed by: \_\_\_\_\_  
 Date Entered by: \_\_\_\_\_  
 Date of Check: \_\_\_\_\_  
 Date of Report for Station by: \_\_\_\_\_

Contract No. CV200705  
Xcel Clog Incineration Plant Demolition and Decommission Works  
Biologic Information Daily Monitoring Form

Location	Parameter	Monitoring ID	Units	Range	Reading	Remarks
Biologic 1	Blower 1/2 (outlet)	BP1/BI-1	Inches of Hg	-10.0	-0.31	
Biologic 1	Blower 1/2 (outlet)	BP1/BI-1	°C	0-150	15.1	
Biologic 1	Blower 1/2 (outlet)	BP1/BI-1	psi	0-30	0.71	
Biologic 1	Blower 1/2 (outlet)	BP1/BI-1	°C	0-200	120.5	
Biologic 1	Blower 1/2 (outlet)	BP1/BI-1	Inches of Hg	-10.0	1.72	
Biologic 2	Blower 2/2 (outlet)	BP2/BI-2	Inches of Hg	-10.0	0	
Biologic 2	Blower 2/2 (outlet)	BP2/BI-2	°C	0-150	15.1	
Biologic 2	Blower 2/2 (outlet)	BP2/BI-2	psi	0-30	0	
Biologic 2	Blower 2/2 (outlet)	BP2/BI-2	°C	0-200	120.5	
Biologic 2	Blower 2/2 (outlet)	BP2/BI-2	Inches of Hg	-10.0	1.72	
Blowdown Tank	Outlet		°C	0-150	64.2	
Activated Carbon Filter	Outlet		°C	0-150	15.1	
Blowdown Tank	Outlet		psi	0-30	1.84	
Blowdown Tank	Outlet		psi	0-30	0.38	

Contract No. CV200705  
Xcel Clog Incineration Plant Demolition and Decommission Works  
Biologic Information Daily Monitoring Form

Location	Parameter	Monitoring ID	Units	Range	Reading	Remarks
Biologic 1	Blower 1/2 (outlet)	BP1/BI-1	Inches of Hg	-10.0	-0.31	
Biologic 1	Blower 1/2 (outlet)	BP1/BI-1	°C	0-150	15.1	
Biologic 1	Blower 1/2 (outlet)	BP1/BI-1	psi	0-30	0.71	
Biologic 1	Blower 1/2 (outlet)	BP1/BI-1	°C	0-200	120.5	
Biologic 1	Blower 1/2 (outlet)	BP1/BI-1	Inches of Hg	-10.0	1.72	
Biologic 2	Blower 2/2 (outlet)	BP2/BI-2	Inches of Hg	-10.0	0	
Biologic 2	Blower 2/2 (outlet)	BP2/BI-2	°C	0-150	15.1	
Biologic 2	Blower 2/2 (outlet)	BP2/BI-2	psi	0-30	0	
Biologic 2	Blower 2/2 (outlet)	BP2/BI-2	°C	0-200	120.5	
Biologic 2	Blower 2/2 (outlet)	BP2/BI-2	Inches of Hg	-10.0	1.72	
Blowdown Tank	Outlet		°C	0-150	64.2	
Activated Carbon Filter	Outlet		°C	0-150	15.1	
Blowdown Tank	Outlet		psi	0-30	1.84	
Blowdown Tank	Outlet		psi	0-30	0.38	

Monitoring Performed by: \_\_\_\_\_  
 Date Entered by: \_\_\_\_\_  
 Date of Check: \_\_\_\_\_  
 Date of Report for Station by: \_\_\_\_\_

Contract No. CV200705  
Xcel Clog Incineration Plant Demolition and Decommission Works  
Biologic Information Daily Monitoring Form

Location	Parameter	Monitoring ID	Units	Range	Reading	Remarks
Biologic 1	Blower 1/2 (outlet)	BP1/BI-1	Inches of Hg	-10.0	-0.31	
Biologic 1	Blower 1/2 (outlet)	BP1/BI-1	°C	0-150	15.1	
Biologic 1	Blower 1/2 (outlet)	BP1/BI-1	psi	0-30	0.71	
Biologic 1	Blower 1/2 (outlet)	BP1/BI-1	°C	0-200	120.5	
Biologic 1	Blower 1/2 (outlet)	BP1/BI-1	Inches of Hg	-10.0	1.72	
Biologic 2	Blower 2/2 (outlet)	BP2/BI-2	Inches of Hg	-10.0	0	
Biologic 2	Blower 2/2 (outlet)	BP2/BI-2	°C	0-150	15.1	
Biologic 2	Blower 2/2 (outlet)	BP2/BI-2	psi	0-30	0	
Biologic 2	Blower 2/2 (outlet)	BP2/BI-2	°C	0-200	120.5	
Biologic 2	Blower 2/2 (outlet)	BP2/BI-2	Inches of Hg	-10.0	1.72	
Blowdown Tank	Outlet		°C	0-150	64.2	
Activated Carbon Filter	Outlet		°C	0-150	15.1	
Blowdown Tank	Outlet		psi	0-30	1.84	
Blowdown Tank	Outlet		psi	0-30	0.38	

Monitoring Performed by: \_\_\_\_\_  
 Date Entered by: \_\_\_\_\_  
 Date of Check: \_\_\_\_\_  
 Date of Report for Station by: \_\_\_\_\_

Location	Parameter	Measurement ID	Units	Reading	Remarks
Bioslave 1	Blower 1A (inlet)	Pressure	inches of Hg	-10.0	0.31
Bioslave 1	Blower 1A (outlet)	Temperature	°C	0.150	17.4
Bioslave 1	Blower 1A (outlet)	Static Pressure	inches of Hg	-0.30	0.7
Bioslave 1	Blower 1A (outlet)	Flow Rate	CFM	226.6	0.7
Bioslave 1	Blower 1A (outlet)	Temperature	°C	0.150	2.2
Bioslave 2	Blower 2A (inlet)	Pressure	inches of Hg	-10.0	0
Bioslave 2	Blower 2A (outlet)	Temperature	°C	0.150	20.0
Bioslave 2	Blower 2A (outlet)	Static Pressure	inches of Hg	-0.40	0.0
Bioslave 2	Blower 2A (outlet)	Flow Rate	CFM	167.2	0.2
Bioslave 2	Blower 2A (outlet)	Temperature	°C	0.150	2.2
Knockout Tank	Inlet	Temperature	°C	0.150	0.3
Knockout Tank	Outlet	Temperature	°C	0.150	2.2
Activated Tank	Inlet	Temperature	°C	0.150	1.7
Activated Tank	Outlet	Temperature	°C	0.150	1.7
Carbon Filter	Inlet	Temperature	°C	0.150	1.7
Carbon Filter	Outlet	Temperature	°C	0.150	1.7
PSI					0.31

Monitoring Performed by: KL  
Date of Entry: 9-12-2010 Time of Entry: 13:20  
Checked on Data Entry by: KL  
Copy/Despatch for Station by: KL

Remarks: PSI

Location	Parameter	Measurement ID	Units	Reading	Remarks
Bioslave 1	Blower 1A (inlet)	Pressure	inches of Hg	-10.0	0.31
Bioslave 1	Blower 1A (outlet)	Temperature	°C	0.150	17.4
Bioslave 1	Blower 1A (outlet)	Static Pressure	inches of Hg	-0.30	0.7
Bioslave 1	Blower 1A (outlet)	Flow Rate	CFM	226.6	0.7
Bioslave 1	Blower 1A (outlet)	Temperature	°C	0.150	2.2
Bioslave 2	Blower 2A (inlet)	Pressure	inches of Hg	-10.0	0
Bioslave 2	Blower 2A (outlet)	Temperature	°C	0.150	20.0
Bioslave 2	Blower 2A (outlet)	Static Pressure	inches of Hg	-0.40	0.0
Bioslave 2	Blower 2A (outlet)	Flow Rate	CFM	167.2	0.2
Bioslave 2	Blower 2A (outlet)	Temperature	°C	0.150	2.2
Knockout Tank	Inlet	Temperature	°C	0.150	0.3
Knockout Tank	Outlet	Temperature	°C	0.150	2.2
Activated Tank	Inlet	Temperature	°C	0.150	1.7
Activated Tank	Outlet	Temperature	°C	0.150	1.7
Carbon Filter	Inlet	Temperature	°C	0.150	1.7
Carbon Filter	Outlet	Temperature	°C	0.150	1.7
PSI					0.31

Monitoring Performed by: KL  
Date of Entry: 9-12-2010 Time of Entry: 13:20  
Checked on Data Entry by: KL  
Copy/Despatch for Station by: KL

Remarks: PSI

Location	Parameter	Measurement ID	Units	Reading	Remarks
Bioslave 1	Blower 1A (inlet)	Pressure	inches of Hg	-10.0	0.31
Bioslave 1	Blower 1A (outlet)	Temperature	°C	0.150	17.4
Bioslave 1	Blower 1A (outlet)	Static Pressure	inches of Hg	-0.30	0.7
Bioslave 1	Blower 1A (outlet)	Flow Rate	CFM	226.6	0.7
Bioslave 1	Blower 1A (outlet)	Temperature	°C	0.150	2.2
Bioslave 2	Blower 2A (inlet)	Pressure	inches of Hg	-10.0	0
Bioslave 2	Blower 2A (outlet)	Temperature	°C	0.150	20.0
Bioslave 2	Blower 2A (outlet)	Static Pressure	inches of Hg	-0.40	0.0
Bioslave 2	Blower 2A (outlet)	Flow Rate	CFM	167.2	0.2
Bioslave 2	Blower 2A (outlet)	Temperature	°C	0.150	2.2
Knockout Tank	Inlet	Temperature	°C	0.150	0.3
Knockout Tank	Outlet	Temperature	°C	0.150	2.2
Activated Tank	Inlet	Temperature	°C	0.150	1.7
Activated Tank	Outlet	Temperature	°C	0.150	1.7
Carbon Filter	Inlet	Temperature	°C	0.150	1.7
Carbon Filter	Outlet	Temperature	°C	0.150	1.7
PSI					0.31

Monitoring Performed by: KL  
Date of Entry: 9-12-2010 Time of Entry: 13:23  
Checked on Data Entry by: KL  
Copy/Despatch for Station by: KL

Remarks: PSI

Location	Parameter	Measurement ID	Units	Reading	Remarks
Bioslave 1	Blower 1A (inlet)	Pressure	inches of Hg	-10.0	0.31
Bioslave 1	Blower 1A (outlet)	Temperature	°C	0.150	17.4
Bioslave 1	Blower 1A (outlet)	Static Pressure	inches of Hg	-0.30	0.7
Bioslave 1	Blower 1A (outlet)	Flow Rate	CFM	226.6	0.7
Bioslave 1	Blower 1A (outlet)	Temperature	°C	0.150	2.2
Bioslave 2	Blower 2A (inlet)	Pressure	inches of Hg	-10.0	0
Bioslave 2	Blower 2A (outlet)	Temperature	°C	0.150	20.0
Bioslave 2	Blower 2A (outlet)	Static Pressure	inches of Hg	-0.40	0.0
Bioslave 2	Blower 2A (outlet)	Flow Rate	CFM	167.2	0.2
Bioslave 2	Blower 2A (outlet)	Temperature	°C	0.150	2.2
Knockout Tank	Inlet	Temperature	°C	0.150	0.3
Knockout Tank	Outlet	Temperature	°C	0.150	2.2
Activated Tank	Inlet	Temperature	°C	0.150	1.7
Activated Tank	Outlet	Temperature	°C	0.150	1.7
Carbon Filter	Inlet	Temperature	°C	0.150	1.7
Carbon Filter	Outlet	Temperature	°C	0.150	1.7
PSI					0.31

Monitoring Performed by: KL  
Date of Entry: 9-12-2010 Time of Entry: 13:00  
Checked on Data Entry by: KL  
Copy/Despatch for Station by: KL

Remarks: PSI

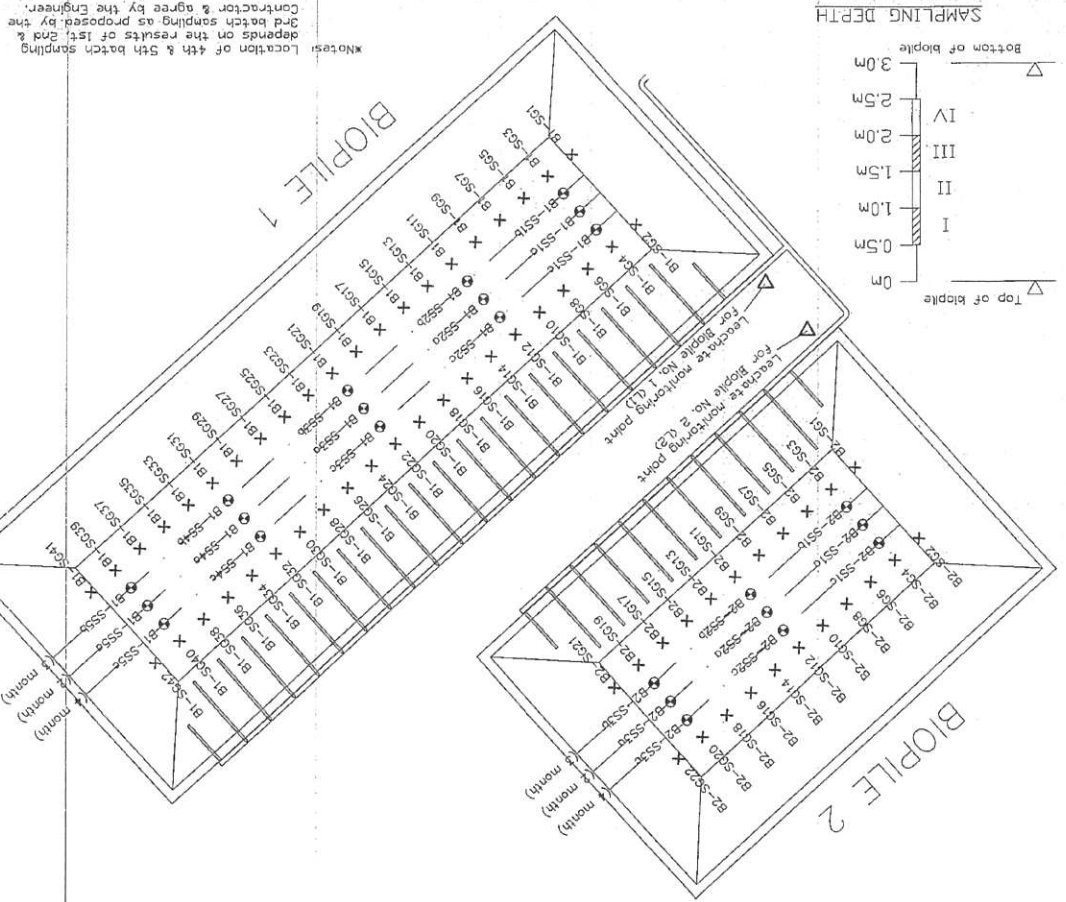
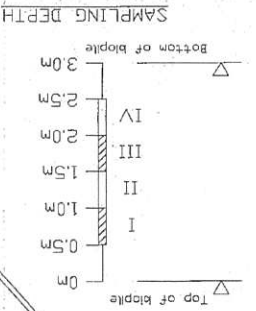




Record of Soil Temperature (Biopile No. 1)

Date	Temperature (°C)
8-Dec-10	22
9-Dec-10	26.5
10-Dec-10	24.8
11-Dec-10	22.5
12-Dec-10	26
13-Dec-10	23.9
14-Dec-10	26.8
15-Dec-10	26.4
16-Dec-10	20.5
17-Dec-10	20.5
18-Dec-10	24.7
19-Dec-10	20.4
20-Dec-10	26.2
21-Dec-10	32.5
22-Dec-10	32.2
23-Dec-10	30.9
24-Dec-10	26.5
25-Dec-10	22.5
26-Dec-10	23.5
27-Dec-10	26.4
28-Dec-10	23.5
29-Dec-10	26.5
30-Dec-10	26.5
31-Dec-10	26.2
1-Jan-11	28
2-Jan-11	24.8
3-Jan-11	22.4
4-Jan-11	20.5
5-Jan-11	22.5
6-Jan-11	23.6
7-Jan-11	25.6
Average	25.03

**Appendix C**  
**Location of Soil Gas Monitoring**  
**Method Statement for Soil Gas Monitoring**



Notes  
 Location of 4th & 5th batch sampling depends on the results of 1st, 2nd & 3rd batch sampling as proposed by the Contractor & agree by the Engineer.

REVISIONS		INTIAL /	
NO.	DESCRIPTION AND DATE	DESIGNATION	CRD. NAME
A	GENERAL REVISION (14/11/11)	SH	JK
B	DETAILS OF SAMPLING DEPTH	SH	JK
C	DETAILS ADDED (3/11/11)	SH	JK

DESIGNED BY	SH
DRAWN BY	SH
CHECKED BY	
PROJECT	CONTACT NO. 07/207/08 RANG CHING REGENERATION PLANT DECONTAMINATION AND RECOMBINATION WORKS
DRAWING TITLE	PROGRAM LOCATIONS OF MONITORING
SCALE	N.A.
DRAWING NO.	FIGURE 1
CLIENT	Civil Engineering and Development Department
CONTRACTOR	Mott MacDonald CONSULTING ENGINEER
China International Water & Electric Corp. <small>10/F, 200 Nathan Road, Nathan Road, Kowloon, Hong Kong Tel: 852 2339 0077 Fax: 852 2339 0077</small>	

NOTES

- BI-S01a PROCESSED SOIL SAMPLING LOCATION
- BI-S01b PROCESSED SOIL GAS MONITORING POINT
- BI-S01c PROCESSED LEAKAGE MONITORING POINT

### Method Statement for Soil Gas Monitoring

1. Switch-off biopile operation
2. Allow biopile cease operation for 30 minutes
3. Use appropriate gas metre (For measure of VOC, CO, O<sub>2</sub> and CH<sub>4</sub>, use "EntryRAE" gas metre. For measure of CO<sub>2</sub>, use "GasAlertMicro5 IR" gas metre
4. Calibrate appropriate gas metre according to manufacturer's instruction
5. Connect measuring probe (see attached diagram) to corresponding gas metre
6. Lower measuring probe to the irrigation / monitoring location
7. Record soil gas monitoring results onto Soil Gas Monitoring Record Sheet as included in Appendix D

### Appendix D Soil Gas Monitoring Record

Monitoring Record Sheet for Soil Gas

Sampler: 7-0115

Date: 8/12/2010

Time: 14:18 - 15:10

Outside Temperature: 17°C

Monitoring Location ID	VOC (ppm)	CH <sub>4</sub> (%)	O <sub>2</sub> (%)	CO (%)	CO <sub>2</sub> (ppm)	Remarks
BI-SG1	0	0	19.6	0	2550	
BI-SG2	0	0	19.3	0	6330	
BI-SG3	0	0	19.6	0	2500	
BI-SG4	0	0	19.3	0	6330	
BI-SG5	0	0	19.9	0	650	
BI-SG6	0	0	20	0	4150	
BI-SG7	0	0	17.8	0	1750	
BI-SG8	0	0	20.9	0	3150	
BI-SG9	0	0	19.8	0	650	
BI-SG10	0	0	20.4	0	2600	
BI-SG11	0	0	21.4	0	900	
BI-SG12	0	0	21.7	0	1250	
BI-SG13	0	0	19.8	0	4500	
BI-SG14	0	0	20.2	0	3150	
BI-SG15	0	0	18	0	1300	
BI-SG16	0	0	19.1	0	9700	
BI-SG17	0	0	15.7	0	19500	
BI-SG18	0	0	19.3	0	8700	
BI-SG19	0	0	17.1	0	16500	
BI-SG20	0	0	16.2	0	18500	
BI-SG21	0	0	16.9	0	24900	
BI-SG22	0	0	19.6	0	6700	
BI-SG23	0	0	16.3	0	9100	
BI-SG24	0	0	16.5	0	18850	
BI-SG25	0	0	15.9	0	1800	
BI-SG26	0	0	17.9	0	4500	
BI-SG27	0	0	16.2	0	1750	
BI-SG28	0	0	17.2	0	4400	
BI-SG29	0	0	20.9	0	450	
BI-SG30	0	0	18	0	500	
BI-SG31	0	0	18.5	0	200	
BI-SG32	0	0	18.1	0	850	
BI-SG33	0	0	18.5	0	200	
BI-SG34	0	0	19.2	0	200	
BI-SG35	0	0	19.8	0	0	
BI-SG36	0	0	20	0	0	
BI-SG37	0	0	19.7	0	0	
BI-SG38	0	0	18.3	0	0	
BI-SG39	0	0	19.5	0	0	
BI-SG40	0	0	19	0	0	
BI-SG41	0	0	19.5	0	0	
BI-SG42	0	0	19	0	0	

Monitoring Record Sheet for Soil Gas

Sampler: 7-0115

Date: 8/12/2010

Time: 15:00 - 15:50

Outside Temperature: 20.2°C

Monitoring Location ID	VOC (ppm)	CH <sub>4</sub> (%)	O <sub>2</sub> (%)	CO (%)	CO <sub>2</sub> (ppm)	Remarks
BI-SG1	0	0	19.7	0	500	
BI-SG2	0	0	21.3	0	500	
BI-SG3	0	0	19.7	0	200	
BI-SG4	0	0	21.3	0	500	
BI-SG5	0	0	20	0	200	
BI-SG6	0	0	21.6	0	400	
BI-SG7	0	0	17.6	0	2700	
BI-SG8	0	0	21.7	0	650	
BI-SG9	0	0	20	0	200	
BI-SG10	0	0	21.7	0	500	
BI-SG11	0	0	20.1	0	650	
BI-SG12	0	0	21.7	0	400	
BI-SG13	0	0	19.5	0	1550	
BI-SG14	0	0	21.8	0	400	
BI-SG15	0	0	15	0	7500	
BI-SG16	0	0	19.8	0	2000	
BI-SG17	0	0	16.8	0	6050	
BI-SG18	0	0	20.6	0	550	
BI-SG19	0	0	14.4	0	10850	
BI-SG20	0	0	11.2	0	21450	
BI-SG21	0	0	8	0	95800	
BI-SG22	0	0	17.4	0	6050	
BI-SG23	0	0	16.2	0	10450	
BI-SG24	0	0	13.2	0	17300	
BI-SG25	0	0	14.8	0	7900	
BI-SG26	0	0	18.3	0	7100	
BI-SG27	0	0	19.3	0	4250	
BI-SG28	0	0	18.8	0	1800	
BI-SG29	0	0	19.5	0	500	
BI-SG30	0	0	19.2	0	0	
BI-SG31	0	0	19.5	0	550	
BI-SG32	0	0	14.5	0	200	
BI-SG33	0	0	18.2	0	1350	
BI-SG34	0	0	19.6	0	200	
BI-SG35	0	0	17.8	0	200	
BI-SG36	0	0	19.8	0	0	
BI-SG37	0	0	17.5	0	0	
BI-SG38	0	0	18.8	0	0	
BI-SG39	0	0	19.4	0	0	
BI-SG40	0	0	20.5	0	0	
BI-SG41	0	0	19.1	0	0	
BI-SG42	0	0	20.5	0	0	

Monitoring Record Sheet for Soil Gas

Sample: Levy  
 Date: 12/17/2010  
 Time: 8:00 - 9:30

Outside Temperature: 17.5°C

Monitoring Location ID	VOC (ppm)	CH <sub>4</sub> (%)	O <sub>2</sub> (%)	CO (%)	CO <sub>2</sub> (%)	Remarks
BI-SG1	0	0	20.5	0	0	
BI-SG2	0	0	20	0	400	
BI-SG3	0	0	20.5	0	0	
BI-SG4	0	0	20.9	0	400	
BI-SG5	0	0	20.1	0	400	
BI-SG6	0	0	21.4	0	0	
BI-SG7	0	0	19.1	0	750	
BI-SG8	0	0	21.2	0	0	
BI-SG9	0	0	19.8	0	400	
BI-SG10	0	0	21.3	0	0	
BI-SG11	0	0	19.6	0	200	
BI-SG12	0	0	20.9	0	200	
BI-SG13	0	0	19.5	0	650	
BI-SG14	0	0	20.5	0	300	
BI-SG15	0	0	17.6	0	3650	
BI-SG16	0	0	19.8	0	80	
BI-SG17	0	0	19.7	0	2200	
BI-SG18	0	0	20.3	0	650	
BI-SG19	0	0	19.8	0	3000	
BI-SG20	0	0	16.8	0	7300	
BI-SG21	0	0	17.4	0	3200	
BI-SG22	0	0	18.4	0	3200	
BI-SG23	0	0	17.1	0	7900	
BI-SG24	0	0	17.2	0	8550	
BI-SG25	0	0	11.2	0	12700	
BI-SG26	0	0	18.4	0	5200	
BI-SG27	0	0	19.7	0	2900	
BI-SG28	0	0	20	0	0	
BI-SG29	0	0	19.3	0	400	
BI-SG30	0	0	19.5	0	300	
BI-SG31	0	0	19.2	0	500	
BI-SG32	0	0	19.5	0	0	
BI-SG33	0	0	19.7	0	650	
BI-SG34	0	0	20.2	0	0	
BI-SG35	0	0	19.2	0	200	
BI-SG36	0	0	20.1	0	0	
BI-SG37	0	0	19.4	0	0	
BI-SG38	0	0	19.3	0	0	
BI-SG39	0	0	19.8	0	0	
BI-SG40	0	0	19.8	0	0	
BI-SG41	0	0	19.8	0	0	
BI-SG42	0	0	19.8	0	0	

Monitoring Record Sheet for Soil Gas

Sample: Levy  
 Date: 12/17/2010  
 Time: 8:00 - 9:00

Outside Temperature: 14.3°C

Monitoring Location ID	VOC (ppm)	CH <sub>4</sub> (%)	O <sub>2</sub> (%)	CO (%)	CO <sub>2</sub> (%)	Remarks
BI-SG1	0	0	20.1	0	0	
BI-SG2	0	0	19.9	0	0	
BI-SG3	0	0	20.1	0	0	
BI-SG4	0	0	19.9	0	0	
BI-SG5	0	0	20.4	0	0	
BI-SG6	0	0	20.1	0	0	
BI-SG7	0	0	18.6	0	0	
BI-SG8	0	0	20.3	0	0	
BI-SG9	0	0	20.1	0	0	
BI-SG10	0	0	20.2	0	0	
BI-SG11	0	0	19.8	0	0	
BI-SG12	0	0	20.4	0	0	
BI-SG13	0	0	19.9	0	0	
BI-SG14	0	0	20.2	0	0	
BI-SG15	0	0	16.3	0	0	
BI-SG16	0	0	18.3	0	0	
BI-SG17	0	0	17.9	0	0	
BI-SG18	0	0	19.8	0	0	
BI-SG19	0	0	16.3	0	0	
BI-SG20	0	0	10.9	0	0	
BI-SG21	0	0	8.2	0	0	
BI-SG22	0	0	12.7	0	0	
BI-SG23	0	0	14.4	0	0	
BI-SG24	0	0	19.5	0	0	
BI-SG25	0	0	5.6	0	0	
BI-SG26	0	0	12.6	0	0	
BI-SG27	0	0	15.8	0	0	
BI-SG28	0	0	18.3	0	0	
BI-SG29	0	0	18.2	0	0	
BI-SG30	0	0	19	0	0	
BI-SG31	0	0	17.6	0	0	
BI-SG32	0	0	16.3	0	0	
BI-SG33	0	0	14.9	0	0	
BI-SG34	0	0	19.1	0	0	
BI-SG35	0	0	17.7	0	0	
BI-SG36	0	0	19.7	0	0	
BI-SG37	0	0	18.1	0	0	
BI-SG38	0	0	19.2	0	0	
BI-SG39	0	0	18.4	0	0	
BI-SG40	0	0	19.5	0	0	
BI-SG41	0	0	18.4	0	0	
BI-SG42	0	0	18.4	0	0	

Monitoring Record Sheet for Soil Gas

Sampler: 1c114  
 Date: 10/12/2010  
 Time: 8:00-9:00 Outside Temperature: 19.3°C

Monitoring Location ID	VOC (ppm)	CH <sub>4</sub> (%)	O <sub>2</sub> (%)	CO (%)	CO <sub>2</sub> (%) (ppm)	Remarks
B1-SG1	0	0	20.9	0	0	
B1-SG2	0	0	20.9	0	0	
B1-SG3	0	0	20.9	0	0	
B1-SG4	0	0	20.9	0	0	
B1-SG5	0	0	20.4	0	700	
B1-SG6	0	0	20.9	0	0	
B1-SG7	0	0	20.1	0	0	
B1-SG8	0	0	20.9	0	0	
B1-SG9	0	0	20.5	0	200	
B1-SG10	0	0	20.9	0	0	
B1-SG11	0	0	20.5	0	0	
B1-SG12	0	0	20.9	0	0	
B1-SG13	0	0	20.5	0	0	
B1-SG14	0	0	20.9	0	0	
B1-SG15	0	0	19.7	0	950	
B1-SG16	0	0	20.9	0	0	
B1-SG17	0	0	20.1	0	500	
B1-SG18	0	0	20.6	0	200	
B1-SG19	0	0	20.4	0	200	
B1-SG20	0	0	18.6	0	3950	
B1-SG21	0	0	17.8	0	1550	
B1-SG22	0	0	19.5	0	1550	
B1-SG23	0	0	19	0	2700	
B1-SG24	0	0	18.6	0	3350	
B1-SG25	0	0	19.1	0	3950	
B1-SG26	0	0	19.8	0	950	
B1-SG27	0	0	19.5	0	2400	
B1-SG28	0	0	20.3	0	300	
B1-SG29	0	0	20.4	0	300	
B1-SG30	0	0	20.9	0	0	
B1-SG31	0	0	20.4	0	350	
B1-SG32	0	0	20.9	0	0	
B1-SG33	0	0	19.8	0	400	
B1-SG34	0	0	20.6	0	0	
B1-SG35	0	0	20.3	0	0	
B1-SG36	0	0	20.5	0	0	
B1-SG37	0	0	20.4	0	0	
B1-SG38	0	0	20.2	0	0	
B1-SG39	0	0	20.3	0	0	
B1-SG40	0	0	20.6	0	0	
B1-SG41	0	0	20.3	0	0	
B1-SG42	0	0	20.6	0	0	

Monitoring Record Sheet for Soil Gas

Sampler: 1c114  
 Date: 10/12/2010  
 Time: 8:00-9:00 Outside Temperature: 19.3°C

Monitoring Location ID	VOC (ppm)	CH <sub>4</sub> (%)	O <sub>2</sub> (%)	CO (%)	CO <sub>2</sub> (%) (ppm)	Remarks
B1-SG1	0	0	20.5	0	0	
B1-SG2	0	0	20.5	0	0	
B1-SG3	0	0	20.6	0	200	
B1-SG4	0	0	20.6	0	0	
B1-SG5	0	0	20.6	0	300	
B1-SG6	0	0	20.5	0	200	
B1-SG7	0	0	20.3	0	200	
B1-SG8	0	0	20.6	0	300	
B1-SG9	0	0	20.5	0	200	
B1-SG10	0	0	20.6	0	0	
B1-SG11	0	0	20.5	0	300	
B1-SG12	0	0	20.4	0	450	
B1-SG13	0	0	20.6	0	250	
B1-SG14	0	0	20.9	0	0	
B1-SG15	0	0	19.4	0	2150	
B1-SG16	0	0	20.8	0	0	
B1-SG17	0	0	20.2	0	650	
B1-SG18	0	0	20.9	0	0	
B1-SG19	0	0	19.9	0	2100	
B1-SG20	0	0	19.4	0	1950	
B1-SG21	0	0	18.4	0	2800	
B1-SG22	0	0	20	0	750	
B1-SG23	0	0	19.7	0	3650	
B1-SG24	0	0	19.3	0	2650	
B1-SG25	0	0	20.2	0	3900	
B1-SG26	0	0	18.4	0	550	
B1-SG27	0	0	19.6	0	2650	
B1-SG28	0	0	20.4	0	650	
B1-SG29	0	0	20.5	0	400	
B1-SG30	0	0	20.6	0	0	
B1-SG31	0	0	20.3	0	600	
B1-SG32	0	0	19.9	0	350	
B1-SG33	0	0	19.2	0	1050	
B1-SG34	0	0	20.5	0	200	
B1-SG35	0	0	20.4	0	300	
B1-SG36	0	0	20.5	0	200	
B1-SG37	0	0	20.6	0	0	
B1-SG38	0	0	20.3	0	200	
B1-SG39	0	0	20.5	0	0	
B1-SG40	0	0	20.6	0	0	
B1-SG41	0	0	20.6	0	0	
B1-SG42	0	0	20.6	0	0	

### Monitoring Record Sheet for Soil Gas

Sampler: 16149

Date: 26/12/2010

Time: 8:00 - 9:00

Outside Temperature: 17.1°C

Monitoring Location ID	VOC (ppm)	CH <sub>4</sub> (%)	O <sub>2</sub> (%)	CO (%)	CO <sub>2</sub> (ppm)	Remarks
BI-SG1	0	0	20.6	0	0	
BI-SG2	0	0	20.5	0	0	
BI-SG3	0	0	20.6	0	200	
BI-SG4	0	0	20.9	0	0	
BI-SG5	0	0	20.6	0	0	
BI-SG6	0	0	20.6	0	0	
BI-SG7	0	0	20.3	0	200	
BI-SG8	0	0	20.9	0	200	
BI-SG9	0	0	20.6	0	300	
BI-SG10	0	0	20.9	0	0	
BI-SG11	0	0	20.6	0	200	
BI-SG12	0	0	20.6	0	400	
BI-SG13	0	0	20.6	0	200	
BI-SG14	0	0	20.9	0	0	
BI-SG15	0	0	19.2	0	2200	
BI-SG16	0	0	20.9	0	0	
BI-SG17	0	0	20.3	0	500	
BI-SG18	0	0	20.6	0	0	
BI-SG19	0	0	19.8	0	2000	
BI-SG20	0	0	19.1	0	1500	
BI-SG21	0	0	18.1	0	2700	
BI-SG22	0	0	20.1	0	600	
BI-SG23	0	0	18.8	0	3600	
BI-SG24	0	0	19.5	0	1950	
BI-SG25	0	0	19.2	0	3750	
BI-SG26	0	0	20.4	0	700	
BI-SG27	0	0	19.6	0	3750	
BI-SG28	0	0	20.2	0	600	
BI-SG29	0	0	20.4	0	500	
BI-SG30	0	0	20.4	0	0	
BI-SG31	0	0	20.3	0	500	
BI-SG32	0	0	19.7	0	200	
BI-SG33	0	0	19	0	950	
BI-SG34	0	0	20.3	0	0	
BI-SG35	0	0	20.1	0	200	
BI-SG36	0	0	20.4	0	0	
BI-SG37	0	0	20.1	0	0	
BI-SG38	0	0	20.3	0	0	
BI-SG39	0	0	20.3	0	0	
BI-SG40	0	0	20.5	0	0	
BI-SG41	0	0	20.6	0	0	
BI-SG42	0	0	20.5	0	0	

### Monitoring Record Sheet for Soil Gas

Sampler: 16149

Date: 05/12/2011

Time: 8:00-9:00

Outside Temperature: 15.7°C

Monitoring Location ID	VOC (ppm)	CH <sub>4</sub> (%)	O <sub>2</sub> (%)	CO (%)	CO <sub>2</sub> (ppm)	Remarks
BI-SG1	0	0	20.6	0	0	
BI-SG2	0	0	20.6	0	0	
BI-SG3	0	0	20.5	0	0	
BI-SG4	0	0	20.6	0	0	
BI-SG5	0	0	20.7	0	0	
BI-SG6	0	0	20.4	0	0	
BI-SG7	0	0	20.6	0	0	
BI-SG8	0	0	20.5	0	0	
BI-SG9	0	0	20.5	0	200	
BI-SG10	0	0	20.4	0	0	
BI-SG11	0	0	20.5	0	0	
BI-SG12	0	0	20.6	0	0	
BI-SG13	0	0	20.5	0	200	
BI-SG14	0	0	20.5	0	0	
BI-SG15	0	0	19.6	0	1450	
BI-SG16	0	0	20.5	0	200	
BI-SG17	0	0	20.1	0	400	
BI-SG18	0	0	20.6	0	300	
BI-SG19	0	0	20.1	0	800	
BI-SG20	0	0	19.7	0	1800	
BI-SG21	0	0	19.1	0	1750	
BI-SG22	0	0	20	0	500	
BI-SG23	0	0	19.2	0	2350	
BI-SG24	0	0	19.1	0	500	
BI-SG25	0	0	19.3	0	2950	
BI-SG26	0	0	19.7	0	1050	
BI-SG27	0	0	20.1	0	850	
BI-SG28	0	0	19.8	0	300	
BI-SG29	0	0	20.3	0	200	
BI-SG30	0	0	20.2	0	0	
BI-SG31	0	0	20.5	0	200	
BI-SG32	0	0	20.2	0	0	
BI-SG33	0	0	20	0	200	
BI-SG34	0	0	20.3	0	200	
BI-SG35	0	0	20.5	0	0	
BI-SG36	0	0	20.4	0	0	
BI-SG37	0	0	20.3	0	200	
BI-SG38	0	0	20.3	0	0	
BI-SG39	0	0	20.5	0	0	
BI-SG40	0	0	20.5	0	0	
BI-SG41	0	0	20.5	0	0	
BI-SG42	0	0	20.1	0	0	