## **MATERIALAB CONSULTANTS LIMITED**



28 May 2018

Our Ref.: MCL/ED/0257/2018/C

BY HAND

Date

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Website: www.materialab-consultant.com

The EIA Ordinance Register Office, Environmental Protection Department 27/F., Southorn Centre, 130 Hennessy Road, Wanchai, Hong Kong

Attn.: Mr. Matthew Tang

Dear Sir,

Agreement No. CE 21/2014 (EP)
Environmental Monitoring and Audit (EM&A) for Operation of
Tai Po Sewage Treatment Works Stage V Phase 2B – Investigation
EP Condition 6.6 – Monthly EM&A Report

Pursuant to Condition 6.6 of the Environmental Permit (EP No. EP-265/2007/A) for the captioned contract, we are pleased to submit the certified Monthly EM&A Report for June 2017 for your retention.

Should you require further information, please do not hesitate to contact our Mr. Vincent Lu at 3565 4371 or the undersigned at 3565 4114.

Assuring you of our best attention at all times.

Yours faithfully, for and on behalf of MATERIALAB – WASTE & ENVIRONMENTAL TECHNOLOGIES JOINT VENTURE

Colin Yung

**Environmental Team Leader** 

CY/vI

c.c. DSD - Ms. Suki Pun

Mott MacDonald - Ms. Dulcie Chan, Mr. Thomas Chan



Mr. LEUNG Wing Yuen

Chief Engineer/Sewerage Projects Drainage Services Department Projects and Development Branch Sewerage Projects Division 44/F, Revenue Tower, 5 Gloucester Road. Wan Chai, Hong Kong

Contract No. SPW 09/2016

Independent Environmental Checker for Environmental Monitoring and Audit for Operation of Tai Po Sewage Treatment Works Stage 5 Phase 2B

EP Condition 6.6 - Monthly EM&A Report

**Our Reference** TC/DC/dc/377000/03/02/L

-024

28 May 2018

20/F AIA Kowloon Tower Landmark East 100 How Ming Street Kwun Tong Kowloon

Dear Sir,

Hong Kong T+852 2828 5757 With reference to the ET's letter ref: MCL/ED/0249/2018/C dated 28 May 2018 associated with the revised Monthly EM&A Report for June 2017 (submitted on 24 May 2018), we have no further comment.

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This letter serves as verification of the captioned submission in line with the requirements as set out in the EM&A Manual.

Should you have any queries, please feel free to contact the undersigned at 2828 5970.

Yours faithfully

FOR MOTT MACDONALD HONG KONG LIMITED

Dulcie Chan

Independent Environmental Checker

T 2828 5970

Dulcie.Chan@mottmac.com

### MATERIALAB CONSULTANTS LIMITED



: 28 May 2018

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Mott MacDonald Hong Kong Limited 20/F. AIA Kowloon Tower Landmark East 100 Hau Ming Street Kwun Tong, Kowloon Hong Kong

Attn.: Ms. Dulcie Chan, IEC

Dear Madam.

Agreement No. CE 21/2014 (EP) Environmental Monitoring and Audit (EM&A) for Operation of Tai Po Sewage Treatment Works Stage V Phase 2B - Investigation EP Condition 6.6 - Monthly EM&A Report

Pursuant to Condition 6.6 of the Environmental Permit (EP No. EP-265/2007/A) for the captioned contract, we are pleased to submit the certified Monthly EM&A Report for June 2017 for your onward submission.

Should you require further information, please do not hesitate to contact our Mr. Vincent Lu at 3565 4371 or the undersigned at 3565 4114.

Assuring you of our best attention at all times.

Yours faithfully, for and on behalf of MATERIALAB - WASTE & ENVIRONMENTAL TECHNOLOGIES JOINT VENTURE

Colin Yung

**Environmental Team Leader** 

CY/vI

Encl.

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Report No.: 0151/15/ED/0987

## MONTHLY ENVIRONMENTAL MONITORING & AUDIT **REPORT**

June 2017

Client

**Drainage Services Department** 

**Project** 

: Agreement No. CE 21/2014(EP) **Environmental Monitoring and Audit** (EM&A) for Operation of Tai Po Sewage Treatment Works Stage V Phase 2B -

Investigation

Report No.: 0151/15/ED/0987

Prepared by: Vincent Lu

Certified by:

Colin Yung

**Environmental Team Leader** 

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Report No.: 0151/15/ED/0987

## **CONTENTS**

EXE	ECUTIVE SUMMARY	1
1.	INTRODUCTION	2
2.	AIR QUAILITY MONITORING	3
3.	MARINE WATER QUALITY MONITORING	6
4.	ADVICE ON THE SOLID AND LIQUID WASTE MANAGEMENT STATUS	7
5.	IMPLEMENTATION STATUS OF ENVIRONMENTAL MITIGATION MEASURES	8
6.	SUMMARY OF COMPLAINTS, NOTIFICATION OF SUMMONS AND SUCCESSFUL PROSECUTIONS	9
7.	CONCLUSION AND RECOMMENDATIONS	10
FIG	BURES	

Figure 2.1 Air Quality (H<sub>2</sub>S) Monitoring Stations

# **APPENDICES**

Appendix A	Project Organization Chart
Appendix B	Monitoring Schedule
Appendix C	Event / Action Plan for Air Quality Monitoring (Operation Phase)
Appendix D	Calibration Certificates
Appendix E	Air Quality (H2S) Monitoring Data and Graphical Plots
Appendix F	Site Record
Appendix G	Implementation Schedule of Environmental Mitigation Measures (EMIS) for operation phase
Appendix H	Chemical Waste Producer Registration License

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Report No.: 0151/15/ED/0987

### **EXECUTIVE SUMMARY**

This Monthly Environmental Monitoring and Audit (EM&A) Report is prepared for Agreement No. CE 21/2014 (EP) - "Environmental Monitoring and Audit for Operation of Tai Po Sewage Treatment Works Stage V Phase 2B - Investigation" (hereafter referred to as "the Assignment") for the Drainage Services Department (DSD) of Hong Kong Special Administrative Region. MateriaLab – Waste & Environmental Technologies Joint Venture (hereafter referred to as "MLAB") was appointed as the Environmental Team by DSD.

The Assignment is part of the Tai Po Sewage Treatment Works (TPSTW) Stage V extension (hereinafter referred as "the Project") which is a Designated Project under Schedule 2 of the Environmental Impact Assessment (EIA) Ordinance (Cap. 499) and for which an EIA Report (Register No. AEIAR-145/2009) was prepared and approved. The Environmental Permit (EP) for TPSTW Stage V, namely No. EP-265/2007 was issued in March 2007. A Variation Environmental Permit (VEP) EP-265/2007/A was issued on 30 April 2014. These documents are available through the EIA Ordinance Register.

Commencement of the Assignment took place on 9 June 2015 while the operation phase of EM&A programme commenced on 1 March 2016.

This is the sixteenth Monthly EM&A Report for the Assignment which summaries the progress of the EM&A programme during the reporting period from 1 June 2017 to 30 June 2017 (the "reporting period"). The monthly EM&A programme was undertaken in accordance with the EM&A Manual for TPSTW Stage V. According to the EM&A Manual, air quality and marine water quality are the key environmental concerns from the Project.

### **Breaches of Action and Limit Levels**

Air quality monitoring was carried out from 29 June 2017 to 30 June 2017. Exceedances of Action/Limit levels at two ASRs (AS12 and AS4) were recorded.

There was no marine water quality impact monitoring and seawater intake monitoring conducted during this reporting period and therefore, no marine water quality monitoring and seawater intake monitoring result is reported.

### **Complaint Log**

There were no complaints received in relation to the environmental impact during the reporting period.

### **Notifications of Summons and Successful Prosecutions**

There were no notifications of summons or prosecutions received during this reporting period.

### **Reporting Changes**

There was no reporting change during the reporting period.

### **Future key issues**

There were no construction activities and no future key issue is reported during this reporting period.

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Report No.: 0151/15/ED/0987

#### 1. INTRODUCTION

#### 1.1 **Background**

- 1.1.1 Tai Po Sewage Treatment Works (TPSTW) is located within the Tai Po Industrial Estate. It currently comprises four Stages; I. II. IVA and IVB works. The TPSTW Stage V aims to upgrade the existing TPSTW to provide additional sewage treatment capacity from the present design flow of 88,000 m<sup>3</sup>/day to 130,000 m<sup>3</sup>/day to meet the demands of both existing and future developments and to meet the revised discharge license requirements. The TPSTW Stage V will be implemented in two phases, i.e. Phase 1 and Phase 2. The design capacity of Phase 1 is 100,000 m<sup>3</sup>/day and Phase 2 is 130,000 m<sup>3</sup>/day.
- The TPSTW Stage V is a Designated Project under the Environmental Impact Assessment 1.1.2 Ordinance (Cap. 449). A study of Environmental Impact Assessment has been carried out to evaluate the environmental impacts associated with the project. An EIA Report and Environmental Monitoring and Audit (EM&A) Manual were approved by the Environmental Protection Department on 28 October 2004. An Environmental Permit (EP) No.EP-202/2007 and a Variation Environmental Permit (VEP) No. EP-202/2007A were issued on 22 March 2007 and 30 April 2014 for TPSTW Stage V Phase 2B (hereafter referred to as "the Project") to DSD as the Permit Holder. The EP stipulates that an EM&A programme is required to ensure the mitigation measures recommended in the EIA Report and the EM&A Manual, are implemented during the construction and operation of the Project.

#### 1.2 **Project Description**

MateriaLab – Waste and Environmental Technologies Joint Venture (MLAB) was commissioned by DSD to undertake the EM&A services of the Project including Odour Monitoring, Odour Complaint Register and Marine Water Quality Monitoring during the operation phase, under the Agreement No. CE 21/2014 (EP) Environmental Monitoring and Audit for Tai Po Sewage Treatment Works Stage V Phase 2B – Investigation (hereafter referred to as "the Assignment").

#### 1.3 **Project Organisation**

1.3.1 The Project Organisation for Environmental Works is shown in Appendix A. The contact person and telephone numbers of key personnel for the captioned project are shown in Table **1.1**.

Table 1.1 Contact Persons and Telephone Numbers of Key Personnel

Party	PartyRolePositionDSDSP DivisionEngineer		Contact Person	Telephone No.	Fax No.
DSD			Ms. Suki Pun	2594 7472	2519 3615
Mott MacDonald	IEC	IEC	Ms. Dulcie Chan	2828 5970	2827 1823
MLAB	Environmental Team	Environmental Team Leader	Mr. Colin Yung	3565 4114	2450 8032

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Report No.: 0151/15/ED/0987

### 2. AIR QUAILITY MONITORING

### 2.1 Methodology

2.1.1 The H<sub>2</sub>S analyzer, type Jerome 631-X, was used for the air quality monitoring. The analyzer is capable of measuring H<sub>2</sub>S concentration in the range of 1 ppb to 50 ppm, with a resolution of 1 ppb. The analyzer operates within a temperature range of 0°C to 40°C, at an air flow rate of 0.15 L/min. Grab air sample is drawn by built-in suction pump of the analyzer and passes through a gold film sensor. The electrical resistance of the gold film changes according to the change in mass of hydrogen sulphide in the gas sample. **Table 2.1** summaries the equipment used in air quality (H<sub>2</sub>S) monitoring.

Table 2.1 Equipment for Air Quality (H<sub>2</sub>S) Monitoring

Equipment	Manufacturer / Model	Serial Number	Sensor Number	Calibration Date	Next Calibration Date
Gold Film Hydrogen Sulphide Analyzer	JEROME X631 0003	2966	14-11-23- R2D	2 June 2017	1 June 2018

### 2.2 Monitoring Locations

2.2.1 Five monitoring stations were set up inside and outside of TPSTW. **Table 2.2** and **Figure 2.1** show the description and location of the H<sub>2</sub>S monitoring stations. The level for odour monitoring agreed with the DSD and EPD is 1.5m from the ground.

Table 2.2 Air Quality (H<sub>2</sub>S) Monitoring Stations

ID No.	EM&A Ref.	Monitoring Location	Description
PRI 2031	OSM1	Stage I/II Primary Sedimentation Tank	Source
PRI 401 <sup>1</sup>	OSM2	Stage IV Primary Sedimentation Tank	Source
AS 12 <sup>1,2</sup>	OAM1	Government Staff Quarter (Inside)	ASR
AS 4 <sup>1,2</sup>	OAM2	Interpac Containers Ltd (Outside)	ASR
AS 1 <sup>1,2</sup>	OAM3	Watson's Water Centre (Outside)	ASR

<sup>&</sup>lt;sup>1</sup>EIA Reference No.

### 2.3 Monitoring Frequency and Duration

2.3.1 The sampling duration and frequency of air quality (H<sub>2</sub>S) monitoring is summarised in **Table 2.3**.

Table 2.3 Air Quality (H<sub>2</sub>S) Monitoring Programme

Sampling Duration	Frequency					
24 hour	Year 1	Once every three months after operation of Stage V Phase 2B works; frequency would increase to monthly interval if exceedances are recorded.				
24 Hour	Year 2 and Year 3	Once every six months after operation of Stage V Phase 2B works; frequency would increase to monthly interval if exceedances are recorded.				

2.3.2 A 15-min integrated gaseous H<sub>2</sub>S sample was collected every 3 hours for a period of 24 hours at the monitoring locations. Maximum and minimum H<sub>2</sub>S levels for each monitoring station were recorded.

<sup>&</sup>lt;sup>2</sup>Air Sensitive Receiver

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2.3.3 The monitoring schedule for the present and next reporting period is provided in **Appendix B**.

### 2.4 Action / Limit Level

2.4.1 **Table 2.4** shows the Action and Limit Levels for air quality (H<sub>2</sub>S) monitoring at ASRs.

Table 2.4 Action and Limit Levels for Air Quality Monitoring at ASRs

Monitoring Stations	Action Level	Limit Level*
AS12: Government Staff Quarter		
AS4: Interpac Containers Limited	2.5 ppb	2.5 ppb
AS1: Watson's Water Centre		

<sup>\*</sup>Limit Level at ASRs only.

2.4.2 The event and action plan for air quality monitoring is provided in **Appendix C**.

### 2.5 Quality Assurance / Quality Control

- 2.5.1 In order to ensure the analyzer is functioning properly, manual sensor regeneration and zero adjustment were performed before each set of odour monitoring.
- 2.5.2 Calibration of the analyzer is conducted every year at the laboratory of the manufacturer. The calibration certificates for the analyzers are shown in **Appendix D**.
- 2.5.3 To obtain accurate results from the H<sub>2</sub>S monitoring at Stage IV Primary Sedimentation Tanks, sulphide formation at the bottom shall be cleaned and minimised.

### 2.6 Monitoring Results and Observations

- 2.6.1 The thirteenth odour impact monitoring was carried out from 29 June 2017 to 30 June 2017 after the commissioning of the Project.
- 2.6.2 The meteorological data including temperature, wind speed and direction of the monitoring period obtained from the HKO's Tai Po weather station is summarised in **Table 2.5**.

Table 2.5 Summary of meteorological data of the monitoring period#

Date	Mean Temperature(°C)	Prevailing Wind Direction	Mean Wind speed (km/h)	
29 June	29.3	South	5.8	
30 June	28.8	South East	7.7	

<sup>#</sup> The meteorological data was extracted from the website of HKO.

2.6.3 The monitoring results are summarised in **Table 2.6**. Graphical plots of results and details of monitoring data are shown in **Appendix E** (24-hour average, maximum and minimum H<sub>2</sub>S concentration) and **Appendix F** (site record).

Table 2.6 Summary of Monitoring Results

ID No.	EM&A Ref.	Monitoring Location	24-hour Average H₂S Concentration (ppb)
PRI203 <sup>1</sup>	OSM1	Stage I Primary Sedimentation Tank	471.7
PRI401 <sup>1</sup>	OSM2	Stage IV Primary Sedimentation Tank	50.8

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Report No.: 0151/15/ED/0987

AS12 <sup>1,2</sup>	OAM1	Government Staff Quarter (Inside)	18.1
AS4 <sup>1,2</sup>	OAM2	Interpac Containers Ltd (Outside)	36.9
AS1 <sup>1,2</sup>	OAM3	Watson's Water Centre (Outside)	0.3

<sup>&</sup>lt;sup>1</sup>EIA Reference No.

Comparison of the average H<sub>2</sub>S concentration for ASRs and the corresponding Action/Limit levels established in the odour baseline study is shown in Table 2.7.

Table 2.7 Comparison of Average H₂S Concentration with Action/Limit Levels

	H₂S Concentration (ppb)			Exce	eedance
Location	Odour Impact monitoring	Action Level	Limit Level	Action Level	Limit Level
AS12	18.1	2.5	2.5	Y	Y
AS4	36.9	2.5	2.5	Y	Y
AS1	0.3	2.5	2.5	N	N

- 2.6.5 Exceedances of A/L levels of 2.5 ppb H<sub>2</sub>S concentration at two Air Sensitive Receivers (AS12 and AS4) were recorded.
- 2.6.6 Odour mitigation measures such as the use of weir launders at Stage I/II and Stage IV Primary Sedimentation Tanks and addition of chemical (calcium nitrate) at Tai Yuen Sewage Pumping Station Package No. 4 were implemented during the odour impact monitoring. However, exceedances of A/L levels of H<sub>2</sub>S were resulted.
- Even though specific sources of odour that would contribute to the odour nuisance at ASRs was not observed in this monitoring exercise. It is important to consider the location and surrounding environment of the Tai Po Sewage Treatment Works. Located at the Tai Po Industrial Estate, the TPSTW is surrounded by different industrial buildings. Exceedances of A/L levels at ASRs might be attributed to other sources such as nearby Refuse Collection Station and the industrial nature of the surrounding environment. These potential sources may cause odour nuisance to the Air Sensitive Receivers and hence, the high H<sub>2</sub>S levels measured at ASRs may be contributed by the emissions from sources other than that of the TPSTW.
- 2.6.8 In accordance with the Event and Action Plan for Operation Phase Air Quality Monitoring, the following actions have been taken in response to the exceedance of limit level.
- The ET had repeated measurement to confirm exceedance. Then they had tried to identify the causes of exceedance and took photos for record. The operation team and DSD/SPD had been notified immediately when exceedance was recorded. After finishing the odour monitoring, the operation team was reminded to have better housekeeping of the TPSTW.

<sup>&</sup>lt;sup>2</sup>Air Sensitive Receiver

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#### 3. MARINE WATER QUALITY MONITORING

#### 3.1 **Monitoring Requirements**

### **Tolo Harbour Marine Water Quality Impact Monitoring**

There was no marine water quality impact monitoring conducted during the reporting period and 3.1.1 therefore, no marine water quality monitoring result is reported.

### **Water Quality Monitoring at Seawater Intakes**

3.1.2 There was no water quality monitoring conducted during the reporting period and therefore, no water quality monitoring result is reported.

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Report No.: 0151/15/ED/0987

#### 4. ADVICE ON THE SOLID AND LIQUID WASTE MANAGEMENT STATUS

- 4.1.1 TPSTW had registered as a chemical waste producer for this Project. The license number of Chemical Waste Producer Registration is 0014-727-D2226-15 which is presented in **Appendix** H.
- TPSTW is reminded that chemical waste should be properly handled and stored temporarily in designated chemical waste storage area on site in accordance with the Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes. TPSTW should also engage a licensed waste collector to collect the chemical waste for proper disposal.
- 4.1.3 Sludge cake of TPSTW was temporarily stored within the dewatering house. Normally, all the sludge cake was disposed to Sludge Treatment Facility (STF). If STF breaks down, the sludge cake will be disposed to WENT landfill.

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**MateriaLab** 

Report No.: 0151/15/ED/0987

#### 5. IMPLEMENTATION STATUS OF ENVIRONMENTAL MITIGATION MEASURES

- 5.1.1 A summary of the Implementation Schedule of Environmental Mitigation Measures (EMIS) for operation phase is presented in Appendix G. Most of the necessary mitigation measures at this stage of works were implemented properly.
- Implementation status of operational landfill gas monitoring was confirmed with operation team 5.1.2 of TPSTW. There is no accumulation of landfill gas at area for normal occupation inside TPSTW. When confined space works were being conducted, gas monitoring was performed before entry in accordance with Code of Practice on Safety and Health at Work in Confined Spaces.

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#### 6. SUMMARY OF COMPLAINTS, NOTIFICATION OF SUMMONS AND SUCCESSFUL **PROSECUTIONS**

There was no complaint received in relation to the environmental impact or notifications of 6.1.1 summons or prosecutions received during this reporting period.

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#### 7. **CONCLUSION AND RECOMMENDATIONS**

- 7.1.1 The thirteenth odour impact monitoring was carried out from 29 June 2017 to 30 June 2017 during this reporting period in accordance with the EM&A requirements.
- 7.1.2 Air quality monitoring of hydrogen sulphide (H2S) was conducted at five monitoring stations including three Air Sensitive Receivers around TPSTW. Exceedances of A/L levels of 2.5 ppb at two ASRs (AS12 and AS4) were recorded.
- 7.1.3 There was no marine water quality impact monitoring conducted during this reporting period and therefore, no marine water quality impact monitoring result is reported.
- There was no water quality monitoring conducted during this reporting period and therefore, no water quality monitoring result is reported.

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Report No.: 0151/15/ED/0987

Figure 2.1

Air Quality (H2S) Monitoring Stations

# MateriaLab - Waste & Environmental Technologies Joint Venture

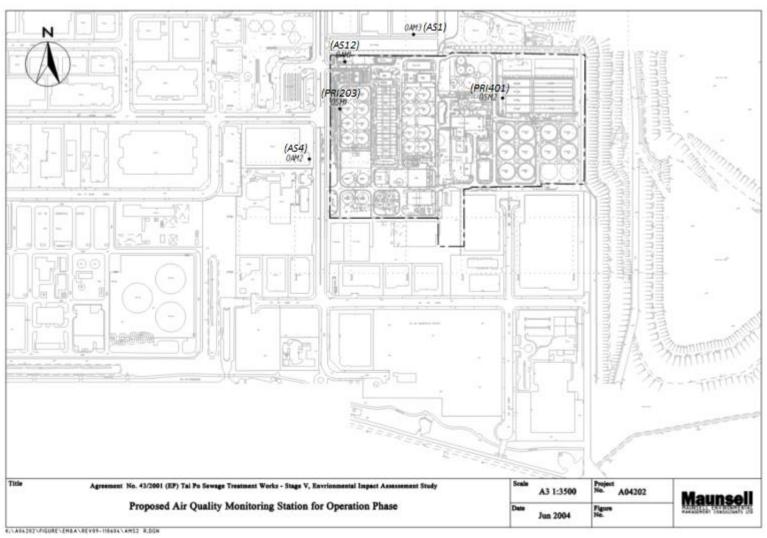
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## Appendix A

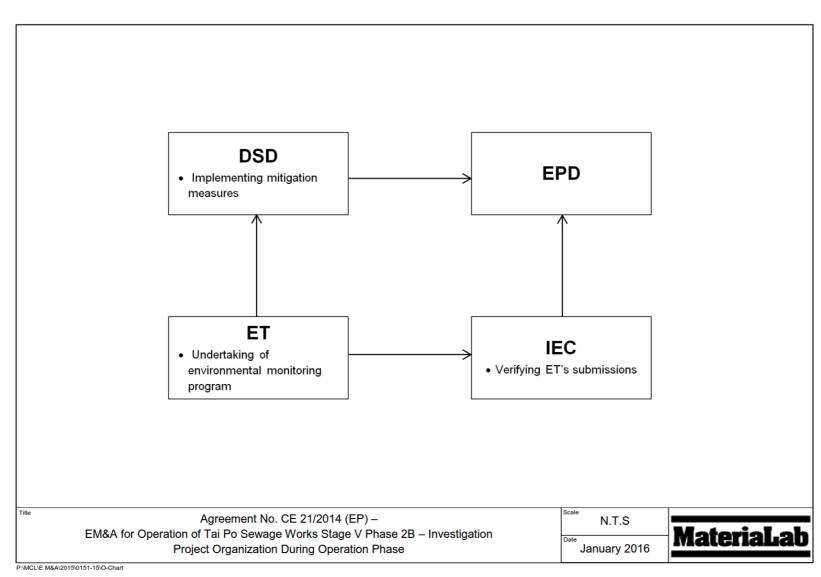
**Project Organisation Chart** 

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Appendix B

**Monitoring Schedule** 

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Air Quality Monitoring Schedule for June 2017

Jun-2017								
Sun	Mon	Tue	Wed	Thu	Fri	Sat		
				1	2	3		
4	5	6	7	8	9	10		
11	12	13	14	15	16	17		
18	19	20	21	22	23	24		
25	26	27	28	29 Air Quality (H <sub>2</sub> S) Monitoring	30 Air Quality (H <sub>2</sub> S) Monitoring			

Note: There was no marine water quality monitoring conducted during June 2017

Tentative Air Quality Monitoring Schedule for July 2017

	Jul-2017								
Sun	Mon	Tue	Wed	Thu	Fri	Sat			
						1			
2	3	4	5	6	7	8			
9	10	11	12	13	14	15			
16	17	18	19	20	21	22			
23	24	25	26	27 Air Quality (H <sub>2</sub> S) Monitoring	28 Air Quality (H <sub>2</sub> S) Monitoring	29			
30	31								

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## **Appendix C**

**Event / Action Plan for Air Quality Monitoring (Operation Phase)** 

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Report No.: 0151/15/ED/0987

		Action	
Event	TPSTW Enginneer –in-charge of Odour  Monitoring	DSD ST1	DSD/SP / E &MP (*)
Exceedance of action level or receipt of any odour complaints	Identify source/ reason of exceedance or odour complaints; and     Repeat measurement confirm finding.	1. carry out investigation to identify the source / reason of exceedance or complaints. Investigation shall be completed within 1 week;  2. rectify any unacceptable practice;  3. amended working methods if required;  4. inform DSD SP/E&MP if cause of complaints or exceedance is considered to be caused by civil or E &M design problems;  5. Correspond to the complaints within 10 days to inform the cause of nuisance and action taken; and cause of nuisance; and  6. Implement amended working methods.	
Exceedance of Limit level or receipt of two or more complaints in 3 months	1. Identify source / reason of exceedance or odour complaints; 2. Repeat measurements to confirm findings; 3. Increase monitoring frequency to monthly; and 4. If exceedance stops, cease additional monitoring.	1. Carry out investigation to identify the source / reason of exceedance or complaints. Investigation shall be completed within 1 week; 2. rectify any unacceptable practice; 3. amended working methods if required; 4. notify DSD SP / E∓ 5. formulate remedial actions; 6. ensure amended working methods and remedial actions properly implemented; 7. if exceedance continues, consider what portion of the work is responsible and stop that protion of work until the exceedance is abated; and 8. correspond to the complaints within 10 days to inform the cause of the nuisance and action taken.	1. Assist ST1 to find the root cause of the complaint or exceedance; 2. modify or improve design as appropriate; and 3. formulate remedial actions in association with ST1

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Report No.: 0151/15/ED/0987

Appendix D

**Calibration Certificate** 

### ARIZONA INSTRUMENT LLC

3375 N. Delaware St., Chandler, AZ 85225 (800) 528-7411 • (602) 470-1414 www.azic.com • customerservice@azic.com



## Certification of Instrument Calibration

Guyline (Asia) Ltd Rm 1611, Eastern Harbour Centre Quarry Bay, RMA# 2459849

This is to certify that the Jerome **X631 0003** Gold Film Hydrogen Sulfide Analyzer, Serial Number **2966**, with Sensor Number **14-11-23-R2D**, was calibrated with standard units traceable to NIST.

Calibration Status as Received:

**Out of Calibration** 

		Actual	Calibration Gas	Allowable Range
Incoming:	Range 1 RSD %	0.346 ppm H25	0.500 ppm H2S	+/- 6% <5%
Outgoing:	Range 1 RSD %	0.476 ppm H25 2.18	6 0.500 ppm H2S	+/- 6% <5%

Calibration Status as Left:

In Calibration

Estimated Uncertainty of Calibration System: 2.8%

Calibration Date: 02-Jun-2017

Recalibration Date: 01-Jun-2018

Temperature °F:

% Relative Humidity:

Cheryl Hradek

 Date Approved: 05-Jun-2017

Equipment Used:

H2S Calibration Standard: CC-57152 NIST#: 1385481

Calibration Date: 17-Aug-2016 Calibration Date Due: 18-Aug-2019

Mass Flow Controller B: 124604 NIST#: 152971

Calibration Date: 28-Nov-2016 Calibration Date Due: 28-Nov-2017

Mass Flow Controller D: 124602 NIST#: 151792

Calibration Date: 08-Nov-2016 Calibration Date Due: 08-Nov-2017

Digital Multimeter: 66961028 NIST#: 7000660

Calibration Date: 28-Mar-2017 Calibration Date Due: 28-Mar-2018

Flowmeter: US10H44183 NIST#: 1813; 1817; 1796

Calibration Date: <u>08-Nov-2016</u> Calibration Date Due: <u>09-Nov-2017</u>

Calibration Procedure Used: 730-0032

Arizona Instrument certifies that the above listed instrument meets or exceeds all published specifications and has been calibrated using standards whose accuracy are traceable to the NATIONAL INSTITUTE OF STANDARDS AND TECHNOLOGY within the limitations of the Institute's calibration services, or have been derived from accepted values of natural physical constants, or have been derived by the ratio type of self-calibration techniques.

Disclaimer: Any unauthorized adjustments, removal or breaking of QC seals, or other customer modifications on your Jerome Analyzer WILL VOID this factory calibration. Because any of the above acts could affect the calibration and readings of the instrument, their certification will no longer be valid and, further, Arizona Instrument LLC WILL NOT be responsible for any liabilities created as a result of using the instrument after such adjustments, seal removal, or modifications.

As long as a functional test is within range, according to the procedure outlined in the Operator's Manual, the instrument is performing correctly

This document shall not be reproduced, except in full, without the written approval of Arizona Instrument.

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## Appendix E

Air Quality (H<sub>2</sub>S) Monitoring Data and Graphical Plots

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Report No.: 0151/15/ED/0987

				Н	<sub>2</sub> S concentr	ation (pp	b)*		
			1	3 <sup>th</sup> Odour Im	pact Monito	oring (29-	30 June 2017)		
Location	Time Interval	15-minute integrated average	24-hour average	Maximum	Minimum	Action Level	Exceedance	Limit Level	Exceedance
	0700-1000	0.3							
	1000-1300	3.3							
	1300-1600	50.7							
AS12 <sup>1,2</sup>	1600-1900	44.0	18.1	50.7	0.0	2.5	Yes	2.5	Yes
AOIZ	1900-2200	37.0	18.1	30.7	0.0	2.5	163	2.5	163
	2200-0100	0.0							
	0100-0400	7.0							
	0400-0700	2.7							
	0700-1000	9.0							
	1000-1300	7.0							
	1300-1600	11.0							
AS4 <sup>1,2</sup>	1600-1900	3.3	36.9	115.7	0.7	2.5	Yes	2.5	Yes
A34''	1900-2200	0.7	30.9	113.7	0.7				
	2200-0100	115.7							
	0100-0400	52.0							
	0400-0700	96.7							
0700-1000 1000-1300 1300-1600 1600-1900	0.0								
	1000-1300	0.3	0.3	1.0	0.0		No	2.5	
	1300-1600	0.3							
	1600-1900	1.0				2.5			No
AST	1900-2200	0.3							
	2200-0100	0.0							
	0100-0400	0.0							
	0400-0700	0.3							
	0700-1000	79.0							
	1000-1300	59.3	3 0 3 3 50.8 87.0 14.0						
l ====	1300-1600	14.0			14.0	NA	NA	NA	NA
DD1404	1600-1900	20.3		87.0					
PRI401	1900-2200	35.3							
	2200-0100	47.3							
	0100-0400	64.0							
	0400-0700	87.0							
070 100 130	0700-1000	706.7							
	1000-1300	2380.0	474 7						
	1300-1600	101.0							
	1600-1900	110.0		2200.0	20.2	NI A	NI A	NI A	NIA
PRI203	1900-2200	113.3	471.7	2380.0	29.3	NA	NA	NA	NA
	2200-0100	29.3							
	0100-0400	273.7							
	0400-0700	59.3							

<sup>\*</sup>Accuracy is not guaranteed by the manufacturer for readings that are lower than 0.003 ppm (3 ppb).

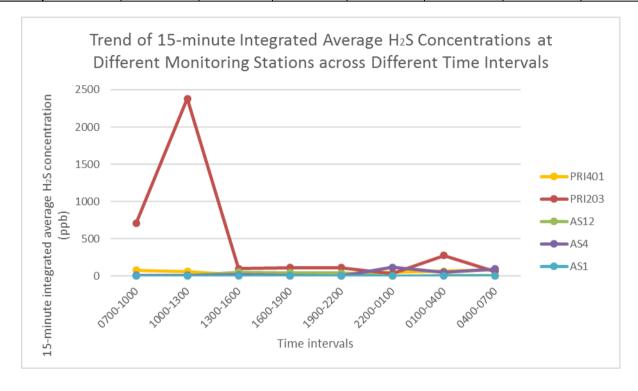
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Report No.: 0151/15/ED/0987

	0700-1000	1000-1300	1300-1600	1600-1900	1900-2200	2200-0100	0100-0400	0400-0700
PRI 401	79.0	59.3	14.0	20.3	35.3	47.3	64.0	87.0
PRI203	706.7	2380.0	101.0	110.0	113.3	29.3	273.7	59.3
AS12	0.3	3.3	50.7	44.0	37.0	0.0	7.0	2.7
AS4	9.0	7.0	11.0	3.3	0.7	115.7	52.0	96.7
AS1	0.0	0.3	0.3	1.0	0.3	0.0	0.0	0.3



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Report No.: 0151/15/ED/0987

Appendix F

Site Record



**Form 3.1** 

# Air Quality (H2S) Monitoring Data Record Sheet

Monitoring Station   PRI 40			Ger	neral Informa	tion	
Sample No.   Time   Wind   Speed   Direction	Monitoring S	tation	PRI401			
Sample No.   Time   Wind   Speed   Direction   Sample 1   Start:	Date		/	-30/6		
Sample No.   Time   Wind   Speed   Direction	Weather		Suhhi			
Sample 1   Start:			7	onitoring Resu	ults	
Sample 2 Start:   0 : 00	Sample No.		Time	No. of the second second	42 CONTENTS (A.C.)	Level(ppm)
Sample 2 Start:   0 : 0 0	Sample 1	Start:	7:00	O	/	0.059,0.048,
Stop:		Stop:	7:10		/	0.13
Stop:	Sample 2	Start:	10:00	0	/	0.065, 0.054,
Sample 4 Start: 16:12 1.3 NE 0.045, 0.007, Stop: 16:22 0.8 NE 0.009  Sample 5 Start: 19:05 0 0.047, 0.039, Stop: 19:15 0 0.020, Sample 6 Start: 23:00 0 0.049.  Sample 7 Start: 0024 0 0.049.  Sample 8 Start: 0236 0 0.01, 0.069		Stop:	(0:10		/	0.059
Sample 4 Start: 16:12 1.3 NE 0.045, 0.007, Stop: 16:22 0.8 NE 0.009  Sample 5 Start: 19:05 0 0.047, 0.039, Stop: 19:15 0 0.020, Sample 6 Start: 22e0, O 0.032 10.061, Stop: 7210 0 0.049  Sample 7 Start: 002 0 0.049  Stop: 0038 0 0.069  Stop: 0246 0 0.087	Sample 3	Start:	13:00	0		0.004, 0.004
Stop:  6 22   0 8 NE   0.009  Sample 5   Start:  9 05   0   0.047, 0.039, 0.020.  Stop:  9 15   0   0.020.  Sample 6   Start:  220   0   0.032   0.061, 0.044  Stop:  38   0   0.069  Stop:  38   0   0.11, 0.069  Stop:  32   0   0   0.087		Stop:	13:10			A Committee of the Comm
Sample 5 Start: 19:05 0 0.047, 0.039, Stop: 19:15 0 0.020.  Sample 6 Start: 23:00 0 0.037 10.061, Stop: 73:10 0 0 0.049.  Sample 7 Start: 002 0 0 0.049.  Stop: 0038 0 0.069  Stop: 0246 0 0.01, 0.069	Sample 4	Start:	16:12	1.3	NE	0.045, 0.007,
Stop: [9:15] 0.020,  Sample 6 Start: 2200 0 0.032 10.061,  Stop: 7210 0 0.049  Sample 7 Start: 002 0 0.049  Stop: 0038 0 0.069  Stop: 0246 0 0.01, 0.069		Stop:	16:22	0.8	NE	0.009
Stop: 19:15 0 0.020,  Sample 6 Start: 2200 0 0.032 10.061,  Stop: 7210 0 0.049  Sample 7 Start: 002 0 0.069  Stop: 0246 0 0.01, 0.069  Stop: 0246 0 0.087	Sample 5	Start:	19:05	0		0.047, 0.039
Stop: 7210 C 0.049  Sample 7 Start: 002 C 0.044  Stop: 0038 C 0.069  Stop: 0246 C 0.01, 0.069  Stop: 0246 C 0.01, 0.069		Stop:	19:15	0		0.020,
Stop: 0038 C 0.669  Sample 8 Start: 0236 0 0.11, 0.069  Stop: 0246 0 0.087	Sample 6	Start:	2300	Ö		
Stop: 0038 0 0.669 Start: 0236 0 0.11,0.069 Stop: 0246 0 0.87		Stop:	7210	0		0.049-
Sample 8 Start: 0236 0 0.667 Stop: 0246 0 0.67	Sample 7	Start:	0025			0.027,0.044
Stop: 0246 0 0 0.08		Stop:	0038	C	/	0.069
Stop: 0246 0 0 0.08	Sample 8	Start:	0236	A 200		90.01,0.069
그는 사람들은 그는 그는 그런 그는 사람들은 그것을 받으면 그를 하는데 그렇게 되었다. 그는 사람들이 모든 사람들이 되었다는 그는 사람들이 모든 사람들이 모든 사람들이 그 사람들이 그 사람들이 그 사람들이 그 사람들이 그 사람들이 모든 사람들이 그 사람들		Stop:	0246	6		0.087
	Other Observ	ations				

	Name & Designation	<u>Signature</u>	<u>Date</u>
Recorded by:	Wong Sin Leung Kan Chun Pan	of p	29/6
Checked by:	4 The Ha	Ta	4/6.



**Form 3.1** 

## Air Quality (H<sub>2</sub>S) Monitoring Data Record Sheet

		Gen	eral Informa	tion				
Monitoring S	tation	PRI	203					
Date		29/	29/6-30/6					
Weather Sunny								
			nitoring Resu	lts				
Sample No.		Time	Wind Speed	Wind Direction	Level(ppm)			
Sample 1	Start:	8:38	0.20m/s	@ N	0.90, 0.77,			
	Stop:	8:48		/				
Sample 2	Start:	11:24	0	/	0.45 5.6,1.3,			
	Stop:	11:34		/	0.24			
Sample 3	Start:	A: 16	1.2m/s	S	0.035, 0.048			
	Stop:	14:26			0.22			
Sample 4	Start:	17:27	0		0.011,0.11,0.61			
	Stop:	(7:37	6					
Sample 5	Start:	20:28	0	/	0.12.0.11,0.1			
	Stop:	20:38	0					
Sample 6	Start:		0		0.03 0.028,0.02			
	Stop:	2242	0	/				
Sample 7	Start:	0078	0		203/10,401			
	Stop:	0108	C	/	0.35			
Sample 8	Start:	0305	0	/	0.15,0014,			
	Stop:	0318	0	/	0.014			
Other Observ	ations							

Name & Designation

Signature

Date

Recorded by:

Wong Gu Leung Lung Che York 29 142 Him

J

29/6
29/6

Checked by:

this t



## **Form 3.1**

# Air Quality (H2S) Monitoring Data Record Sheet

		Gen	eral Informa	tion	
Monitoring St	tation	AS	+		
Date		29,	16-301	16	,
Weather		Sun	nu		
			nitoring Res	ults	
Sample No.		Time	Wind Speed	Wind Direction	Level(ppm)
Sample 1	Start:	8:11	0		0.013,0,
	Stop:	8:21		/	0.014
Sample 2	Start:	11:56	0	/	0.012,0.001
	Stop:	12:06		/	0.008
Sample 3	Start:	14:48	0		0.013,0.012
	Stop:	14:58			0.008
Sample 4	Start:	71:81	0		0.002,0.004,
	Stop:	18024	Ó	/	200.0
Sample 5	Start:	21:18	0		0.001, 0.000
	Stop:	21:28	0		0.001
Sample 6	Start:	= 2248	O		0,13,0012,
	Stop:	;_ 2258	V		0,20
Sample 7	Start:	0112	0.2	NE	0.059 0.058
	Stop:	0122	6,3	5	,
Sample 8	Start:	0320	0.	/	0.020,014
	Stop:	0330	0	/	0.13
Other Observ	ations				

Name & D	esignation
----------	------------

**Signature** 

Recorded by:

Checked by:

Wong Sin Lewig In the York Ip 742 Him



Form 3.1

# Air Quality (H<sub>2</sub>S) Monitoring Data Record Sheet

		Gen	eral Informa	tion	100000000000000000000000000000000000000				
Monitoring S	tation	ASI							
Date		29/	16-30/	6					
Weather		Sw	าทเก						
Monitoring Results									
Sample No.		Time	Wind Speed	Wind Direction	Level(ppm)				
Sample 1	Start:	7.56	G	/	0,0,0				
	Stop:	8:06		/					
Sample 2	Start:	12:18	0	/	0,0.001,0				
	Stop:	(2:28		/					
Sample 3	Start:	15:12	0		0,0,0.001				
	Stop:	15:22		/	*				
Sample 4	Start:	17:57	0		0,00(,0.061)				
	Stop:	18:07	0		0.001				
Sample 5	Start:	20:58	0		0.0,0.001				
	Stop:	21:08	δ						
Sample 6	Start:	_ 23et	3	/	0 2 1				
	Stop:	23/5		/	0,090				
Sample 7	Start:	0127	0.2	E	6 0.73				
72	Stop:	0137	0.\	SE.	0,9,0				
Sample 8	Start:	0337	C		000 00				
	Stop:	03:47	Q	/	0.00/10,(				
Other Observ	ations			×. 33					

	Name & Designation	Signature	Date
Recorded by:	Wong Sin Leung	A.	29/6
Š	In The Ha	17	29 16
Checked by:	26 133 HW	t-	28/6.



## **Form 3.1**

# Air Quality (H2S) Monitoring Data Record Sheet

		Gen	eral Informat	ion	
Monitoring St	ation	ASI:	2_,		
Date		29/	$\frac{16 - 39}{}$	6	
Weather		Sun	nи		
		Moi	nitoring Resu	lts	
Sample No.		Time	Wind Speed	Wind Direction	Level(ppm)
Sample 1	Start:	8:24	0	/	0.001,0,0
200 10	Stop:	8 4			
Sample 2	Start:	11:38	0	/	0.004, 0.003,
	Stop:	11:48		/	0.004,0.003,
Sample 3	Start:	14:29	o. 8m/s	2	0.035,0.048
	Stop:	14:39			0.069
Sample 4	Start:	17=41	Ó		0.06 \$4,0.045,
	Stop:	17:51	0		0.023
Sample 5	Start:	20:43	0.6 mls	ES	0.045,0.039
	Stop:	20:53	0.4 1/5	65	0.027
Sample 6	Start:	2320	2		0,00
	Stop:	2330	0		01.070
Sample 7	Start:	0140	0		0.006,0.008,
	Stop:	0120	C	/	0.007.
Sample 8	Start:	6352	9	/	0.007.
	Stop:	0402	e e	/	0.004
Other Observ	ations				77 407 407

Nar	ne	&	Des	signation
	_		1	

Recorded by:

Checked by:

Wong Sin Lewing las the Your Top 140 Him

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### **Hourly Temperature of the Monitoring Period:**

Date	Time	Temperature (° C)
	7:00	27
	8:00	29
	9:00	29
	10:00	31
	11:00	31
	12:00	32
	13:00	32
	14:00	33
29-June-17	15:00	33
	16:00	33
	17:00	32
	18:00	31
	19:00	29
	20:00	29
	21:00	29
	22:00	28
	23:00	28
	0:00	28
	1:00	27
	2:00	27
30-June-17	3:00	27
	4:00	26
	5:00	26
	6:00	26
	7:00	26

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**MateriaLab** 

Report No.: 0151/15/ED/0987

## Appendix G

Implementation Schedule of Environmental Mitigation Measures (EMIS) for Operation Phase

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EIA Ref.	Environmental Protection Measures	Location of the measures	Implementation Status
Air Quality	•		
\$3.7.5 & 3.7.8	Exposed area at Stage I/II & IV of inlet pumping stations, sludge digestion tank outlet chambers should be covered, with the foul air drawn through deodorization units and discharged after treatment. The grit removal & flume channel at Stage I/II inlet works and the grit removal at Stage IV inlet works should be covered.	TPSTW	Completed
\$3.7.6	Weir launders of the Stage I/II and Stage IV primary sedimentation tanks should be covered to control odour emission. Chemical should also be added to the sewage at Tai Yuen Sewage Pumping Station No.4 for the control of odour at Stage IV inlet pumping station, screen house and primary sedimentation tanks.	TPSTW	Completed
\$3.7.7	The sludge gravity thickeners, sludge consolidation tanks, screening unit (next to dewatering house), exposed area of wet well of Stage I/II returned activated sludge pumping station and wet well of Stage I/II sludge pumping station should be enclosed to ensure no leakage of odorous gas whereas foul air from the sludge gravity thickeners and sludge consolidation tanks would be discharged via deodorizers.	TPSTW	Completed
Water Qualit	y	•	•
S4.8.10	Silt curtains should be installed at the Shatin and Tai Po Seawater Intakes. Relevant government departments including EPD and WSD should be informed of then maintenance.	TPSTW	Not applicable in this reporting month.
S4.8.11	Dual power supply or ring main supply from CLP should be provided for the Project to avoid any loss of electrical supply. In addition, standby facilities for the main treatment units, standby parts/accessories to the equipment should also be provided in order to minimize the chance of emergency discharge.	TPSTW	Completed
\$4.8.10 \$4.8.12	Shutdown of the THEES, if unavoidable, should be shortened as far as possible. The relevant procedures established in the contingency plan as attached in Appendix 4.5 of the EIA report should be properly followed.	TPSTW	Not applicable in this reporting month.
S4.8.13	Dye test is recommended for detection of pipe leakage.	Submarine pipeline at Tolo Harbour	Not applicable in this reporting month.
S4.10.1	Effluent monitoring is recommended to ensure the effectiveness of the proposed treatment process. Details of the monitoring requirements are specified in the EM&A.	Exit of disinfection facilities	Completed
S4.10.2	A post project monitoring (PPM) programme for Victoria Harbour should be implemented to confirm the predictions of the water quality made in the EIA report. The PPM would consist of one- year baseline monitoring before commissioning and one-year impact monitoring after commissioning of the Project. The extent of PPM programme is subject to the prevailing environmental conditions at the time before commissioning of the Project. A more detailed description of the PPM requirements is given in the standalone EM&A Manual	Victoria Harbour	Not applicable in this reporting month.
S4.10.3	A PPM programme will be also implemented in the Tolo Harbour during the operational phase. The PPM would involve water quality monitoring at the Tai Po and Sha Tin seawater intake during the first wet season (June to August) after full commissioning of the Project. Marine water quality parameters including SS and NH3-N should be monitored. The water quality monitoring frequency shall be twice per month and should cover the effects of different tidal status (at least one for high tide and one for low tide) for each seawater intake.	Tolo Harbour	Completed

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Report No.: 0151/15/ED/0987

\$4.8.10 &\$4.10.4	Marine water quality monitoring should be carried out under emergency condition or during maintenance of the THEES tunnel to verify the findings of the water quality modelling. It is recommended that the maintenance of the THEES tunnel, if unavoidable, should be conducted during winter season or low flow periods and to avoid the "blooming" season of algae (normally from April to June)if practicable. Details of the monitoring requirements are specified in the EM&A Manual.	Tolo Harbour	Not applicable in this reporting month.
Waste Mana			T =
S5.5.9	Chemical Waste For the disposal of spent UV lamps, the STW operator would be required to register with the EPD as a Chemical Waste Producer and to follow the requirements stated in the Code of Practice on the Packaging, Labelling and Storage of Chemical Wastes. A chemical waste producer must engage a licensed waste collector to transport and dispose of the chemical wastes in accordance with the Waste Disposal (Chemical Waste) (General) Regulation.	TPSTW	Completed
Landfill Gas		•	
S6.6.9	When service voids, manholes or inspection chambers within the proposed site are entered for maintenance, monitoring and a checklist system of safety requirements should be performed before entry in accordance with Code of Practice on Safety and Health at Work in Confined Spaces.	Area of TPSTW within 250m consultation zone	Completed
S6.6.10	For newly built permanent structures, gas- resistant polymeric membranes shall be incorporated into floor or wall construction to act as a continuous sealed layer for the structure. In addition, forced ventilation shall be installed in such rooms or buildings. Gas detection systems should also be proposed where there is an organization involved in the long-term or frequently use of the development in order to monitor internal spaces inside buildings.	Area of TPSTW within 250m consultation zone	Completed
S6.6.11	Forced ventilation should be used if methane of more than 0.5% (by volume) in the internal atmosphere (e.g. In service voids, manholes, inspection chambers or rooms as mentioned above) is detected.	Area of TPSTW within 250m consultation zone	Completed
S6.6.12	No person should enter or remain in any confined spaces or trenches where the carbon dioxide concentration exceeds 1.5% (by volume).	Area of TPSTW within 250m consultation zone	Completed
S6.6.13	Oxygen concentration should be monitored and no person shall enter or remain in any confined spaces or trenches where the oxygen content of air has fallen below 18 % by volume.	Area of TPSTW within 250m consultation zone	Completed
S6.6.14	All the access to these confined spaces should be restricted only to authorized personnel who should be aware of the LFG hazard. No member of general public should be permitted or allowed to access these confined spaces, manholes or inspection chambers.	Area of TPSTW within 250m consultation zone	Completed

Room 723 & 725, 7/F, Block B, Profit Industrial Building,

: (852)-24508238 : (852)-24508032 1-15 Kwai Fung Crescent, Kwai Fong, Fax Hong Kong. Email : mcl@fugro.com



Report No.: 0151/15/ED/0987

Appendix H **Chemical Waste Producer Registration License** 

Room 723 & 725, 7/F, Block B, Profit Industrial Building,

1-15 Kwai Fung Crescent, Kwai Fong, Hong Kong. Tel : Fax : Email :

: (852)-24508238 : (852)-24508032 : mcl@fugro.com **MateriaLab** 

Report No.: 0151/15/ED/0987

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ME	MO
From : Director of Environmental Protection  Ref. : _() in _EP_CW/D2226/727/15	To: Director of Drainage Services  (Attn. Mr. Ho Wai Hung) 1/5  / Tai Po STW
Tel. : <u>2634 3884</u> Fax 2685 1155	Your Ref. :inTP/A57
Date :19 APRIL , 2000	dated :Fax no 26660207

Waste Disposal Ordinance (Cap.354)
Waste Disposal (Chemical Waste) (General) Regulation
Registration as a Chemical Waste Producer
Tai Po Sewage Treatment Works

I refer to your memo under reference.

- 2. Our records show that there are duplicate registration as a chemical waste producer (CWP) for the Tai Po Sewage Treatment Works. As per your request, we have removed one of the CWP registration (WPN of 0014-727-D2158-02 dated 26.10.1992) from the register with effect from the date of this memo. As a result, the registration form (Form EPD 130) with WPN of 0014-727-D2158-02 dated 26.10.1992 for the above premises is no longer valid.
- 3. On the other hand, I am pleased to inform you that your revised registration (WPN of 0014-727-D2226-15) with this Department as a CWP has been completed. Your assiged Waste Producer Number (WPN) and the particulars of your establishment are printed in the enclosed form (EPD 130). Please check these entries in the form and notify this Department immediately in any irregularities are detected. Please note that this registration is not transferable and will be valid only in respect of the applicant and the premises registered. In case of any change in the registration particulars, you should inform this Department as soon as possible so that our record so that our record can be amended accordingly.
- 4. Should you have any queries, please contact our Mr. YIU on undersigned. 26851156 or the

(W.C. SUN)

Local Control Office (Territory North) for Director of Environmental Protection

Encl.

Room 723 & 725, 7/F, Block B, Profit Industrial Building,

1-15 Kwai Fung Crescent, Kwai Fong, Hong Kong. Tel : (852)-24508238 Fax : (852)-24508032 Email : mcl@fugro.com



Report No.: 0151/15/ED/0987

	Environmental Protection Department 環境保護署
	Waste Disposal Ordinance (Chapter 354) 香港法例第 354 章廢物處理條例 Waste Disposal (Chemical Waste) (General) Regulation
	廢物處理(化學廢物)(一般)規例 Registration of Waste Producer 廢物產生者登記證
Waste Producer 廢物產生者	身份證號碼:(如有者) Business Reg. Cert. No. (if any) 商業登記證號碼:(如有者) Address for Correspondence
	通訊地址: DSD, TAI PO SEWAGE TREATMENT WORKS,  7 DAI KWAI STREET, TAI PO INDUSTRIAL ESTATE, TAI PO, N.T. Tel. No. Fax No.
	電 話:
WPN [0 <u>101.</u> listed below: 前於 <i>二000</i>	_年 三_月 力_ 日根據廢物處理(化學廢物)(一般)規例而來信,申請登記為廢物產生者,茲特
WPN [0 10 1 listed below: 前於 二 00 0 子廢物產生者 Location or Premises	14   -   71217   -   D12121216   -   115   is assigned to you in respect of the location or premi -   年三月之日根據廢物處理(化學廢物)(一般)規例而來信,申請登配為廢物產生者,茲特編號第   0101114   -   71217   -   D12121216   -   115   號,予下開地點或樓字:—   Name of Establishment
WPN [0 10 1 listed below: 前於 二 00 0 子廢物產生者 Location or Premises where the waste is produced 產生廢物	L_14]—[7,12,17]—[D_12,12,16]—[1,15] is assigned to you in respect of the location or premi—年三月之,日根據廢物處理(化學廢物)(一般)規例而來信,申請登配為廢物產生者,茲特編號第 [0,10,11,14]—[7,12,17]—[D,12,12,12,16]—[1,15] 號,予下開地點或樓字:——Name of Establishment 機構名稱:
WPN [0 10 1 listed below: 前於 二 00 0 子廢物產生者 Location or Premises where the waste is produced	14   -   71217   -   D12121216   -   15   is assigned to you in respect of the location or premi -   年三月之日根據廢物處理(化學廢物)(一般)規例而來信,申請登配為廢物產生者,茲特編號第   0101114   -   71217   -   D12121216   -   115   號,予下開地點或樓字:
WPN [0 10]. listed below: 前於 二000 子廢物產生者 Location or Premises where the waste is produced 產生廢物 的地點或	14 — [7,2,7] — [D,2,2,2,6] — [1,5] is assigned to you in respect of the location or premi — 年三月五月日根據廢物處理(化學廢物)(一般)規例而來信,申請登記為廢物產生者,茲特編號第 [0,10,11,14] — [7,12,17] — [D,12,12,12,16] — [1,15] 號,予下開地點或樓字:————————————————————————————————————
WPN [0 10]. listed below: 前於 二000 子廢物產生者 Location or Premises where the waste is produced 產生廢物 的地點或	L_14]—[7,12,17]—[D_12,12,16]—[1,15] is assigned to you in respect of the location or premi—年三月五月五月根據廢物處理(化學廢物)(一般)規例而來信,申請登記為廢物產生者,茲特編號第 [0,10,11,14]—[7,12,17]—[D,12,12,12,16]—[1,15] 號,予下開地點或樓字:————————————————————————————————————

WARNING: Any registered waste producer who fails to inform the Director of Environmental Protection of any change in his registration particulars commits an offence and is liable on conviction to a fine of \$10,000. 管 告: 任何已登記的廢物產生者,若其登記資料有任何改變而不知會環境保護署署長,即屬違法,被定罪者最高

罰款港幣10,000元。