



Appendix J

Landfill Gas Monitoring Data

Penta-Ocean - Concentric Joint Venture

Landfill Gas Monitoring—Field Measurement Recording Sheet

Name of site: 13/WSD/16 - Mainlaying in Tseung Kwan O

Date of measurement:

Sampling equipment used:	Dates calibrated
PGM-2500 (GRAE III)	28/7/2022
1307H	17/11/2022

[illegible]

Name & Designation

Signature

Date _____

Field Operator:

MAK KA CHUN

生

2/5/2023

Laboratory Staff:


Checked by:

Contract no. 13/WSD/16
Mainlaying in Tseung Kwan O
Penta-Ocean - Concentric Joint Venture
Landfill Gas Monitoring –Field Measurement Recording Sheet

Name of site: 13/WSD/16 - Mainlaying in Tseung Kwan O
Date of measurement:

Sampling equipment used:	Dates calibrated
PHM-2500 (QRAE III)	28/7/2022
1307H	17/11/2022

Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission						
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Pit A	3/5/2023	08:30	Sunny	0	0	0	20.4	22 / 999	9
		13:30	"	0	0	0	20.4	25 / 999	9
		16:30	"	0	0	0	20.4	24 / 999	9
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Field Operator: Name & Designation Signature Date
 MAK KA CHUN  3/5/2023
 Laboratory Staff:
 Checked by:

Contract no. 13/WSD/16

Mainlaying in Tseung Kwan O

Penta-Ocean - Concentric Joint Venture

Landfill Gas Monitoring –Field Measurement Recording Sheet

Name of site: 13/WSD/16 - Mainlaying in Tseung Kwan O

Date of measurement:

Sampling equipment used:	Dates calibrated
PGM-2500 (QRAE III)	28/7/2022
1307H	17/11/2022

Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission						
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Pt A	4/5/2023	08:30	Sunny	0	0	0	20.9	23 / 999	G
		13:30		0	0	0	20.9	25 / 999	G
		16:30		0	0	0	20.9	25 / 999	G
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								/	

Name & Designation

Signature

Date

Field Operator:

NAK KA CHUN

(Signature)

4/5/2023

Laboratory Staff:

Checked by:

Landfill Gas Monitoring –Field Measurement Recording Sheet

Date of measurement:

Sampling equipment used:	Dates calibrated
PGM-2500 (SRAE 111)	28/7/2022
1327H	17/11/2022

[illegible]

Checked by:

Contract no. 13/WSD/16

Mainlaying in Tseung Kwan O

Penta-Ocean - Concentric Joint Venture

Landfill Gas Monitoring –Field Measurement Recording Sheet

Name of site: 13/WSD/16 - Mainlaying in Tseung Kwan O

Date of measurement:

Sampling equipment used:	Dates calibrated
PGM-2500 (GRAE III)	28/7/2022
1307H	17/11/2022

Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission						
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Pit A	6/5/2023	08:30	Sunny	0	0	0	20.9	24 / 999	9
		13:30	"	0	0	0	20.9	25 / 999	9
		16:30	"	0	0	0	20.9	28 / 999	9
								/	
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Name & Designation

Signature

Date

Field Operator:

MAK KA CHUN

(Signature)

6/5/2023

Laboratory Staff:

Checked by:

Mainlaying in Tseung Kwan O

Landfill Gas Monitoring—Field Measurement Recording Sheet

Date of measurement:

Sampling equipment used:	Dates calibrated
PGM-2500 (SRAE III)	28/7/2022
1327H	17/11/2022

[illegible]Date

MAK KA CHUN

4

3/5/2023

Checked by:

Contract no. 13/WSD/16

Mainlaying in Tseung Kwan O

Penta-Ocean - Concentric Joint Venture

Landfill Gas Monitoring –Field Measurement Recording Sheet

Name of site: 13/WSD/16 - Mainlaying in Tseung Kwan O

Date of measurement:

Sampling equipment used:	Dates calibrated
PGM-2500 (QRAE 111)	28/7/2022
1307H	17/11/2022

Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission						
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
PE A	9/8/2023	08:30	Sunny	0	0	0	20.9	23 / 999	4
		13:30	"	0	0	0	20.9	26 / 999	4
		16:30	"	0	0	0	20.9	25 / 999	4
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Name & Designation

Signature

Date

Field Operator:

MAK KA CHUN



9/8/2023

Laboratory Staff:

Checked by:

Contract no. 13/WSD/16

Mainlaying in Tseung Kwan O

Penta-Ocean - Concentric Joint Venture

Landfill Gas Monitoring –Field Measurement Recording Sheet

Name of site: 13/WSD/16 - Mainlaying in Tseung Kwan O

Date of measurement:

Sampling equipment used:	Dates calibrated
PLM-2500 (QRAE 111)	28/7/2022
1307H	17/11/2022

Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission						
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
PK A	10/5/2023	08:30	Sunny	0	0	0	20.9	23 / 999	9
		13:30		0	0	0	20.9	26 / 999	9
		16:30		0	0	0	20.9	25 / 999	9
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Name & Designation

Signature

Date

Field Operator:

MAK KA CHUN



10/5/2023

Laboratory Staff:


Checked by:

Landfill Gas Monitoring—Field Measurement Recording Sheet

Date of measurement:

Sampling equipment used:	Dates calibrated
PGM-2500 (GRAE 111)	28/7/2022
1327H	17/11/2022

[illegible]

	<u>Name & Designation</u>	<u>Signature</u>	<u>Date</u>
Field Operator:	MAK RA CHUN		11/5/2023
Laboratory Staff:			
Checked by:			

Mainlaying in Tseung Kwan O

Landfill Gas Monitoring—Field Measurement Recording Sheet

Date of measurement:

Sampling equipment used:	Dates calibrated
PGM-2500 (SRAE 111)	28/7/2022
1307H	17/11/2022

[illegible]

Signature

Date

MAK KA CHUN

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12/5/2023

Laboratory Staff:

Checked by:

Contract no. 13/WSD/16

Mainlaying in Tseung Kwan O

Penta-Ocean - Concentric Joint Venture

Landfill Gas Monitoring –Field Measurement Recording Sheet

Name of site: 13/WSD/16 - Mainlaying in Tseung Kwan O

Date of measurement:

Sampling equipment used:	Dates calibrated
PLM-2500 (GRAE 111)	28/7/2022
1307H	17/11/2022

Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission						
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Pit A	13/5/2023	08:30	Rainy	0	0	0	20.9	23 / 999	9
		13:30	☀	0	0	0	20.9	25 / 999	9
		16:30	☀	0	0	0	20.9	25 / 999	9
								/	
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Name & Designation

Signature

Date

Field Operator:

MAK KA CHUN



13/5/2023

Laboratory Staff:

Checked by:

Mainlaying in Tseung Kwan O

Landfill Gas Monitoring—Field Measurement Recording Sheet

Date of measurement:

Sampling equipment used:	Dates calibrated
PGM-2500 (SRAE 11)	28/7/2022
1307H	17/11/2022

[illegible]

Signature

Date

HYAK KA CHUN

位

15/8/2023

Laboratory Staff:

Checked by:

Landfill Gas Monitoring –Field Measurement Recording Sheet

Sampling equipment used:	Dates calibrated
PGM-2500 (SRAE 111)	28/7/2022
1307H	17/11/2022

[illegible]

Landfill Gas Monitoring –Field Measurement Recording Sheet

Sampling equipment used:	Dates calibrated
PLM-2000 (SRAE III)	28/7/2022
130 TH	17/11/2022

[illegible]

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17/5/2023

Checked by:

Contract no. 13/WSD/16

Mainlaying in Tseung Kwan O

Penta-Ocean - Concentric Joint Venture

Landfill Gas Monitoring –Field Measurement Recording Sheet

Name of site: 13/WSD/16 - Mainlaying in Tseung Kwan O

Date of measurement:

Sampling equipment used:	Dates calibrated
PLM-2000 (QRAE II)	28/7/2022
1307H	17/11/2022

Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission						
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
PH A	18/6/2023	08:30	Sunny	0	0	0	20.4	25 / 999	9
		13:30	"	0	0	0	20.4	28 / 999	9
		16:30	"	0	0	0	20.4	27 / 999	9
								/	
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Name & Designation

Signature

Date

Field Operator:

MAK KA CHUN



18/6/2023

Laboratory Staff:

Checked by:

Landfill Gas Monitoring –Field Measurement Recording Sheet

Sampling equipment used:	Dates calibrated
PGM-2500 (SRAE III)	28/7/2022
1307H	17/11/2022

[illegible]

Mainlaying in Tseung Kwan O

Landfill Gas Monitoring—Field Measurement Recording Sheet

Date of measurement:

Sampling equipment used:	Dates calibrated
PGM-2500 (GRAE 111)	28/7/2022
1307H	17/11/2022

[illegible]Date

YAK KA CHUN

後

20/5/2023

Laboratory Staff:

Checked by:

Landfill Gas Monitoring –Field Measurement Recording Sheet

Sampling equipment used:	Dates calibrated
PGM-2500 (GRAE 111)	28/7/2022
1307H	17/11/2022

[illegible]

Checked by:

Landfill Gas Monitoring—Field Measurement Recording Sheet

Date of measurement:

Sampling equipment used:	Dates calibrated
PGM-2500 (SRAE 111)	28/7/2022
1327H	17/11/2022

[illegible]

24/8/2023

Laboratory Staff:

Checked by:

Contract no. 13/WSD/16

Mainlaying in Tseung Kwan O

Penta-Ocean - Concentric Joint Venture

Landfill Gas Monitoring –Field Measurement Recording Sheet

Name of site: 13/WSD/16 - Mainlaying in Tseung Kwan O

Date of measurement:

Sampling equipment used:	Dates calibrated
PLM-2500 (GRAE III)	28/7/2022
1307H	17/11/2022

Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission						
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
PE A	25/5/2023	08:30	Sunny	0	0	0	20.9	26 / 999	9
		13:30	-	0	0	0	20.9	21 / 999	9
		16:30	-	0	0	0	20.9	30 / 999	9
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Name & Designation

Signature

Date

Field Operator:

MAK KA CHUN



25/5/2023

Laboratory Staff:

Checked by:

Contract no. 13/WSD/16
Mainlaying in Tseung Kwan O
Penta-Ocean - Concentric Joint Venture
Landfill Gas Monitoring –Field Measurement Recording Sheet

Name of site: 13/WSD/16 - Mainlaying in Tseung Kwan O
Date of measurement:

Sampling equipment used:	Dates calibrated
PGM-2CDO (QRAE 111)	28/7/2022
1327H	17/11/2022

Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission						
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Pit A	27/5/2023	08:30	Sunny	0	0	0	20.9	27 / 999	9
		13:30		0	0	0	20.9	33 / 999	9
		16:30		0	0	0	20.9	32 / 999	9
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Name & Designation

Signature

Date

Field Operator:

MAK KA CHUN



27/5/2023

Laboratory Staff:

Checked by:

Contract no. 13/WSD/16
Mainlaying in Tseung Kwan O
Penta-Ocean - Concentric Joint Venture
Landfill Gas Monitoring –Field Measurement Recording Sheet

Name of site: 13/WSD/16 - Mainlaying in Tseung Kwan O
Date of measurement:

Sampling equipment used:	Dates calibrated
PGM-3500 (2RAE 111)	28/7/2022
1307H	17/11/2022

Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission						
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
PZ A	30/5/2023	08:30	Sunny	0	0	0	20.9	28 / 999	9
		13:30	"	0	0	0	20.9	24 / 999	9
		16:30	"	0	0	0	20.9	33 / 999	9
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Name & Designation

Signature

Date

Field Operator:

MAK KA CHUN



30/5/2023

Laboratory Staff:

Checked by:

Mainlaying in Tseung Kwan O

Landfill Gas Monitoring –Field Measurement Recording Sheet

Date of measurement:

Sampling equipment used:	Dates calibrated
PGM-3500 (ORAE III)	28/7/2022
1307H	17/11/2022

[illegible]

Signature

Date

MAK KA CHUN

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31/5/2023

Laboratory Staff:

Checked by:

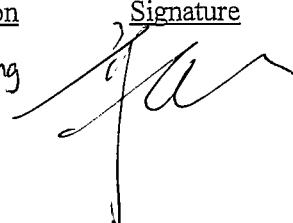
Contract no. 13/WSD/16
Mainlaying in Tseung Kwan O
Penta-Ocean - Concentric Joint Venture
Landfill Gas Monitoring –Field Measurement Recording Sheet

Name of site: 13/WSD/16 - Mainlaying in Tseung Kwan O
Date of measurement:

Sampling equipment used:	Dates calibrated
XT-XWHM-Y-OR	2/9/2022

Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission						
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Area 137 Pit A	10/5/2023	0830	Fine / Rain	0	0	0	20.9	19 / 999	8.4
	"	1330	Fine / Rain	0	0	0	20.9	18 / 999	8.4
	"	1700	Fine / Rain	0	0	0	20.9	20 / 999	8.4
Area 137 Pit B	"	0830	Fine / Rain	0	0	0	20.9	22 / 999	8.6
	"	1330	Fine / Rain	0	0	0	20.9	22 / 999	8.6
	"	1700	Fine / Rain	0	0	0	20.9	21 / 999	8.6
Area 137 Pit C	"	0830	Fine / Rain	0	0	0	20.9	21 / 999	10
	"	1330	Fine / Rain	0	0	0	20.9	20 / 999	10
	"	1700	Fine / Rain	0	0	0	20.9	20 / 999	10
								/	
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Field Operator: Kwok Ka Leung
Laboratory Staff:
Checked by:

Name & Designation: Kwok Ka Leung
Signature: 
Date: 10/5/2023

Contract no. 13/WSD/16

Mainlaying in Tseung Kwan O

Penta-Ocean - Concentric Joint Venture

Landfill Gas Monitoring –Field Measurement Recording Sheet

Name of site: 13/WSD/16 - Mainlaying in Tseung Kwan O

Date of measurement:

Sampling equipment used:	Dates calibrated
XT-XWHM-Y-OR	2/9/2022

Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission						
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Area 137 Pit A	11/15/2023	0830	Fine / Rain	0	0	0	20.9	18 / 999	8.4
	"	1330	Fine / Rain	0	0	0	20.9	17 / 999	8.4
	"	1700	Fine / Rain	0	0	0	20.9	19 / 999	8.4
Area 137 Pit B	"	0830	Fine / Rain	0	0	0	20.9	20 / 999	8.6
	"	1330	Fine / Rain	0	0	0	20.9	20 / 999	8.6
	"	1700	Fine / Rain	0	0	0	20.9	19 / 999	8.6
Area 137 Pit C	"	0830	Fine / Rain	0	0	0	20.9	19 / 999	10
	"	1330	Fine / Rain	0	0	0	20.9	18 / 999	10
	"	1700	Fine / Rain	0	0	0	20.9	18 / 999	10
								/	
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								/	

Field Operator:

Laboratory Staff:

Checked by:

Name & Designation

Signature

Date

KWOK Ka Leung

11/15/2023

Contract no. 13/WSD/16
Mainlaying in Tseung Kwan O
Penta-Ocean - Concentric Joint Venture
Landfill Gas Monitoring –Field Measurement Recording Sheet

Name of site: 13/WSD/16 - Mainlaying in Tseung Kwan O
Date of measurement:

Sampling equipment used:	Dates calibrated
XT-XWHM-Y-OR	2/9/2022

Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission						
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Area 137 Pit A	12/5/2023	0830	Fine / Rain	0	0	0	20.9	19 / 999	8.4
		1330	Fine / Rain	0	0	0	20.9	18 / 999	8.4
		1700	Fine / Rain	0	0	0	20.9	20 / 999	8.4
Area 137 Pit B	..	0830	Fine / Rain	0	0	0	20.9	20 / 999	8.6
		1330	Fine / Rain	0	0	0	20.9	22 / 999	8.6
		1700	Fine / Rain	0	0	0	20.9	21 / 999	8.6
Area 137 Pit C	..	0830	Fine / Rain	0	0	0	20.9	20 / 999	10
		1330	Fine / Rain	0	0	0	20.9	20 / 999	10
		1700	Fine / Rain	0	0	0	20.9	19 / 999	10
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								/	
								/	

Field Operator: KWOK Ka Leung
Laboratory Staff:
Checked by:

Name & Designation
Signature
Date
12/5/2023

Contract no. 13/WSD/16
Mainlaying in Tseung Kwan O
Penta-Ocean - Concentric Joint Venture
Landfill Gas Monitoring –Field Measurement Recording Sheet

Name of site: 13/WSD/16 - Mainlaying in Tseung Kwan O
Date of measurement:

Sampling equipment used:	Dates calibrated
XT-XWHM-Y-OR	2/9/2022

Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission						
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Area 137 Pit A	13/5/2023	0830	Fine / Rain	0	0	0	20.9	19 / 999	8.4
	"	1330	Fine / Rain	0	0	0	20.9	20 / 999	8.4
	"	1700	Fine / Rain	0	0	0	20.9	18 / 999	8.4
Area 137 Pit B	"	0830	Fine / Rain	0	0	0	20.9	18 / 999	8.6
	"	1330	Fine / Rain	0	0	0	20.9	18 / 999	8.6
	"	1700	Fine / Rain	0	0	0	20.9	17 / 999	8.6
Area 137 Pit C	"	0830	Fine / Rain	0	0	0	20.9	21 / 999	10
	"	1330	Fine / Rain	0	0	0	20.9	21 / 999	10
	"	1700	Fine / Rain	0	0	0	20.9	20 / 999	10
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								/	
								/	

Field Operator: Name & Designation KWOK Ka Leung Signature Date 13/5/2023

Laboratory Staff:

Checked by:

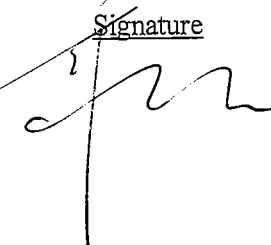
Contract no. 13/WSD/16
Mainlaying in Tseung Kwan O
Penta-Ocean - Concentric Joint Venture
Landfill Gas Monitoring -Field Measurement Recording Sheet

Name of site: 13/WSD/16 - Mainlaying in Tseung Kwan O
Date of measurement:

Sampling equipment used:	Dates calibrated
XT-XWHM-Y-OR	2/9/2022

Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission						
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Area 137 Pit A	15/5/2023	0830	Fine / Rain	0	0	0	20.9	18 / 999	8.4
	"	1330	Fine / Rain	0	0	0	20.9	18 / 999	8.4
	"	1700	Fine / Rain	0	0	0	20.9	17 / 999	8.4
Area 137 Pit B	"	0830	Fine / Rain	0	0	0	20.9	20 / 999	8.6
	"	1330	Fine / Rain	0	0	0	20.9	20 / 999	8.6
	"	1700	Fine / Rain	0	0	0	20.9	19 / 999	8.6
Area 137 Pit C	"	0830	Fine / Rain	0	0	0	20.9	22 / 999	10
	"	1330	Fine / Rain	0	0	0	20.9	20 / 999	10
	"	1700	Fine / Rain	0	0	0	20.9	20 / 999	10
								/	
								/	
								/	
								/	
								/	

Field Operator: Kwok Ka Leung
Laboratory Staff:
Checked by:

Name & Designation: Kwok Ka Leung
Signature: 
Date: 15/5/2023

Contract no. 13/WSD/16

Mainlaying in Tseung Kwan O

Penta-Ocean - Concentric Joint Venture

Landfill Gas Monitoring –Field Measurement Recording Sheet

Name of site: 13/WSD/16 - Mainlaying in Tseung Kwan O

Date of measurement:

Sampling equipment used:	Dates calibrated
XT-XWHM-Y-OR	2/9/2022

Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission						
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Area 137 Pit A	16/5/2023	0830	Fine / Rain	0	0	0	20.9	19 / 999	8.4
	"	1330	Fine / Rain	0	0	0	20.9	18 / 999	8.4
	"	1700	Fine / Rain	0	0	0	20.9	18 / 999	8.4
Area 137 Pit B	"	0830	Fine / Rain	0	0	0	20.9	20 / 999	8.6
	"	1330	Fine / Rain	0	0	0	20.9	18 / 999	8.6
	"	1700	Fine / Rain	0	0	0	20.9	17 / 999	8.6
Area 137 Pit C	"	0830	Fine / Rain	0	0	0	20.9	21 / 999	10
	"	1330	Fine / Rain	0	0	0	20.9	21 / 999	10
	"	1700	Fine / Rain	0	0	0	20.9	20 / 999	10
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								/	

Name & Designation

Signature

Date

Field Operator:

KWOK Ka Leung

16/5/2023

Laboratory Staff:

Checked by:

Contract no. 13/WSD/16
Mainlaying in Tseung Kwan O
Penta-Ocean - Concentric Joint Venture
Landfill Gas Monitoring -Field Measurement Recording Sheet

Name of site: 13/WSD/16 - Mainlaying in Tseung Kwan O
Date of measurement:

Sampling equipment used:	Dates calibrated
XT-XWHM-Y-OR	2/9/2022

Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission						
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Area 137 Pit A	11/5/2023	0830	Fine / Rain	0	0	0	20.9	19 / 999	8.4
	"	1330	Fine / Rain	0	0	0	20.9	20 / 999	8.4
	"	1700	Fine / Rain	0	0	0	20.9	21 / 999	8.4
Area 137 Pit B	"	0830	Fine / Rain	0	0	0	20.9	21 / 999	8.6
	"	1330	Fine / Rain	0	0	0	20.9	21 / 999	8.6
	"	1700	Fine / Rain	0	0	0	20.9	20 / 999	8.6
Area 137 Pit C	"	0830	Fine / Rain	0	0	0	20.9	19 / 999	10
	"	1330	Fine / Rain	0	0	0	20.9	19 / 999	10
	"	1700	Fine / Rain	0	0	0	20.9	18 / 999	10
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Field Operator: Name & Designation KWOK Ka Leung Signature Date 11/5/2023

Laboratory Staff:

Checked by:


Contract no. 13/WSD/16
Mainlaying in Tseung Kwan O
Penta-Ocean - Concentric Joint Venture
Landfill Gas Monitoring –Field Measurement Recording Sheet

Name of site: 13/WSD/16 - Mainlaying in Tseung Kwan O
Date of measurement:

Sampling equipment used:	Dates calibrated
XT-XWHM-Y-OR	2/9/2022

Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission						
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Area 137 Pit A	18/5/2023	0830	Fine / Rain	0	0	0	20.9	19 / 999	8.4
	"	1330	Fine / Rain	0	0	0	20.9	21 / 999	8.4
	"	1700	Fine / Rain	0	0	0	20.9	18 / 999	8.4
Area 137 Pit B	"	0830	Fine / Rain	0	0	0	20.9	22 / 999	8.6
	"	1330	Fine / Rain	0	0	0	20.9	21 / 999	8.6
	"	1700	Fine / Rain	0	0	0	20.9	21 / 999	8.6
Area 137 Pit C	"	0830	Fine / Rain	0	0	0	20.9	23 / 999	10
	"	1330	Fine / Rain	0	0	0	20.9	22 / 999	10
	"	1700	Fine / Rain	0	0	0	20.9	22 / 999	10
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Field Operator: Kwok Ka Leung
Laboratory Staff:
Checked by:

Name & Designation: Kwok Ka Leung
Signature: 
Date: 18/5/2023

Contract no. 13/WSD/16

Mainlaying in Tseung Kwan O

Penta-Ocean - Concentric Joint Venture

Landfill Gas Monitoring –Field Measurement Recording Sheet

Name of site: 13/WSD/16 - Mainlaying in Tseung Kwan O

Date of measurement:

Sampling equipment used:	Dates calibrated
XT-XWHM-Y-OR	2/9/2022

Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission						
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Area 137 Pit A	19/5/2023	0830	Fine / Rain	0	0	0	20.9	19 / 999	8.4
	"	1330	Fine / Rain	0	0	0	20.9	20 / 999	8.4
	"	1700	Fine / Rain	0	0	0	20.9	21 / 999	8.4
Area 137 Pit B	"	0830	Fine / Rain	0	0	0	20.9	21 / 999	8.6
	"	1330	Fine / Rain	0	0	0	20.9	21 / 999	8.6
	"	1700	Fine / Rain	0	0	0	20.9	20 / 999	8.6
Area 137 Pit C	"	0830	Fine / Rain	0	0	0	20.9	22 / 999	10
	"	1330	Fine / Rain	0	0	0	20.9	19 / 999	10
	"	1700	Fine / Rain	0	0	0	20.9	19 / 999	10
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Field Operator:

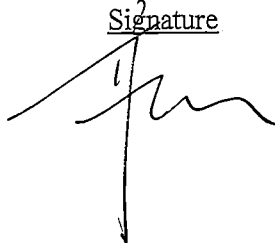
Laboratory Staff:

Checked by:

Name & Designation

KWOK Ka Leung

Signature



Date

19/5/2023

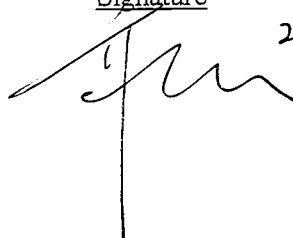
Contract no. 13/WSD/16
Mainlaying in Tseung Kwan O
Penta-Ocean - Concentric Joint Venture
Landfill Gas Monitoring –Field Measurement Recording Sheet

Name of site: 13/WSD/16 - Mainlaying in Tseung Kwan O
Date of measurement:

Sampling equipment used:	Dates calibrated
XT-XWHM-Y-OR	2/9/2022

Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission						
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Area 137 PzA	20/5/2023	0830	Fine / Rain	0	0	0	20.9	17 / 999	8.4
		1330	Fine / Rain	0	0	0	20.9	18 / 999	8.4
		1700	Fine / Rain	0	0	0	20.9	17 / 999	8.4
Area 137 PzB	..	0830	Fine / Rain	0	0	0	20.9	17 / 999	8.6
		1330	Fine / Rain	0	0	0	20.9	19 / 999	8.6
		1700	Fine / Rain	0	0	0	20.9	20 / 999	8.6
Area 137 PzC	..	0830	Fine / Rain	0	0	0	20.9	20 / 999	10
		1330	Fine / Rain	0	0	0	20.9	22 / 999	10
		1700	Fine / Rain	0	0	0	20.9	21 / 999	10
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Field Operator: Kwok Ka Lung
Laboratory Staff:
Checked by:

Name & Designation: Kwok Ka Lung
Signature: 
Date: 20/5/2023

Contract no. 13/WSD/16

Mainlaying in Tseung Kwan O

Penta-Ocean - Concentric Joint Venture

Landfill Gas Monitoring –Field Measurement Recording Sheet

Name of site: 13/WSD/16 - Mainlaying in Tseung Kwan O

Date of measurement:

Sampling equipment used:	Dates calibrated
XT-XWHM-Y-OR	2/9/2022

Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission						
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Area 137 Pit A	22/5/2023	0830	Fine / Rain	0	0	0	20.9	18/999	8.4
	"	1330	Fine / Rain	0	0	0	20.9	17/999	8.4
	"	1700	Fine / Rain	0	0	0	20.9	19/999	8.4
Area 137 Pit B	"	0830	Fine / Rain	0	0	0	20.9	19/999	8.6
	"	1330	Fine / Rain	0	0	0	20.9	20/999	8.6
	"	1700	Fine / Rain	0	0	0	20.9	18/999	8.6
Area 137 Pit C	"	0830	Fine / Rain	0	0	0	20.9	22/999	10
	"	1330	Fine / Rain	0	0	0	20.9	22/999	10
	"	1700	Fine / Rain	0	0	0	20.9	20/999	10
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Field Operator:


Laboratory Staff:

Checked by:

Name & Designation

KWOK Ka Leung

Signature



Date

22/5/2023

Contract no. 13/WSD/16
Mainlaying in Tseung Kwan O
Penta-Ocean - Concentric Joint Venture
Landfill Gas Monitoring –Field Measurement Recording Sheet

Name of site: 13/WSD/16 - Mainlaying in Tseung Kwan O
Date of measurement:

Sampling equipment used:	Dates calibrated
XT-XWHM-Y-OR	2/9/2022

Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission						
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Area 137 Pit A	23/5/2023	0830	Fine / Rain	0	0	0	20.9	19 / 999	8.4
	"	1330	Fine / Rain	0	0	0	20.9	18 / 999	8.4
	"	1700	Fine / Rain	0	0	0	20.9	19 / 999	8.4
Area 137 Pit B	"	0830	Fine / Rain	0	0	0	20.9	17 / 999	8.6
	"	1330	Fine / Rain	0	0	0	20.9	20 / 999	8.6
	"	1700	Fine / Rain	0	0	0	20.9	21 / 999	8.6
Area 137 Pit C	"	0830	Fine / Rain	0	0	0	20.9	21 / 999	10
	"	1330	Fine / Rain	0	0	0	20.9	22 / 999	10
	"	1700	Fine / Rain	0	0	0	20.9	20 / 999	10
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Field Operator: Name & Designation KWOK Ka Leung Signature Date 23/5/2023

Laboratory Staff:

Checked by:

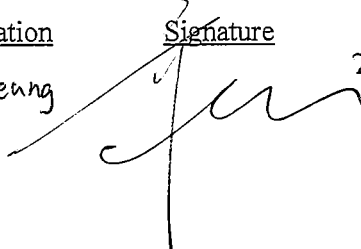
Contract no. 13/WSD/16
Mainlaying in Tseung Kwan O
Penta-Ocean - Concentric Joint Venture
Landfill Gas Monitoring –Field Measurement Recording Sheet

Name of site: 13/WSD/16 - Mainlaying in Tseung Kwan O
Date of measurement:

Sampling equipment used:	Dates calibrated
XT-XWHM-Y-OR	2/9/2022

Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission						
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Area 137 Pit A	24/5/2023	0830	Fine / Rain	0	0	0	20.9	17 / 999	8.4
	"	1330	Fine / Rain	0	0	0	20.9	18 / 999	8.4
	"	1700	Fine / Rain	0	0	0	20.9	20 / 999	8.4
Area 137 Pit B	"	0830	Fine / Rain	0	0	0	20.9	19 / 999	8.6
	"	1330	Fine / Rain	0	0	0	20.9	19 / 999	8.6
	"	1700	Fine / Rain	0	0	0	20.9	18 / 999	8.6
Area 137 Pit C	"	0830	Fine / Rain	0	0	0	20.9	21 / 999	10
	"	1330	Fine / Rain	0	0	0	20.9	23 / 999	10
	"	1700	Fine / Rain	0	0	0	20.9	22 / 999	10
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Field Operator: Kwok Ka Leung
Laboratory Staff:
Checked by:

Name & Designation: Kwok Ka Leung
Signature: 
Date: 24/5/2023

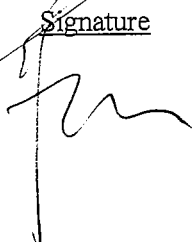
Contract no. 13/WSD/16
Mainlaying in Tseung Kwan O
Penta-Ocean - Concentric Joint Venture
Landfill Gas Monitoring –Field Measurement Recording Sheet

Name of site: 13/WSD/16 - Mainlaying in Tseung Kwan O
Date of measurement:

Sampling equipment used:	Dates calibrated
XT-XWHM-Y-OR	2/9/2022

Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission						
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Area 137 Pit A	25/5/2023	0830	Fine / Rain	0	0	0	20.9	18 / 999	8.4
	"	1330	Fine / Rain	0	0	0	20.9	19 / 999	8.4
	"	1700	Fine / Rain	0	0	0	20.9	18 / 999	8.4
Area 137 Pit B	"	0830	Fine / Rain	0	0	0	20.9	17 / 999	8.6
	"	1330	Fine / Rain	0	0	0	20.9	20 / 999	8.6
	"	1700	Fine / Rain	0	0	0	20.9	19 / 999	8.6
Area 137 Pit C	"	0830	Fine / Rain	0	0	0	20.9	19 / 999	10
	"	1330	Fine / Rain	0	0	0	20.9	18 / 999	10
	"	1700	Fine / Rain	0	0	0	20.9	19 / 999	10
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Field Operator: Kwok Ka Leung
Laboratory Staff:
Checked by:

Name & Designation: Kwok Ka Leung
Signature: 
Date: 25/5/2023

Contract no. 13/WSD/16
Mainlaying in Tseung Kwan O
Penta-Ocean - Concentric Joint Venture
Landfill Gas Monitoring –Field Measurement Recording Sheet

Name of site: 13/WSD/16 - Mainlaying in Tseung Kwan O
Date of measurement:

Sampling equipment used:	Dates calibrated
XT-XWHM-Y-OR	2/9/2022

Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission						
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Area 137 Pit A	27/5/2023	0830	Fine / Rain	0	0	0	20.9	20 / 999	8.4
	"	1330	Fine / Rain	0	0	0	20.9	18 / 999	8.4
	"	1700	Fine / Rain	0	0	0	20.9	19 / 999	8.4
Area 137 Pit B	"	0830	Fine / Rain	0	0	0	20.9	17 / 999	8.6
	"	1330	Fine / Rain	0	0	0	20.9	18 / 999	8.6
	"	1700	Fine / Rain	0	0	0	20.9	18 / 999	8.6
Area 137 Pit C	"	0830	Fine / Rain	0	0	0	20.9	21 / 999	10
	"	1330	Fine / Rain	0	0	0	20.9	22 / 999	10
	"	1700	Fine / Rain	0	0	0	20.9	21 / 999	10
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Field Operator: Name & Designation KWOK Ka Leung Signature Date 27/5/2023

Laboratory Staff:


Checked by:

Contract no. 13/WSD/16
Mainlaying in Tseung Kwan O
Penta-Ocean - Concentric Joint Venture
Landfill Gas Monitoring –Field Measurement Recording Sheet

Name of site: 13/WSD/16 - Mainlaying in Tseung Kwan O
Date of measurement:

Sampling equipment used:	Dates calibrated
XT-XWHM-Y-OR	2/9/2022

Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission						
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Area 137 Pit A	29 / 5 / 2023	0830	Fine / Rain	0	0	0	20.9	19 / 999	8.4
	"	1330	Fine / Rain	0	0	0	20.9	20 / 999	8.4
	"	1700	Fine / Rain	0	0	0	20.9	18 / 999	8.4
Area 137 Pit B	"	0830	Fine / Rain	0	0	0	20.9	18 / 999	8.6
	"	1330	Fine / Rain	0	0	0	20.9	17 / 999	8.6
	"	1700	Fine / Rain	0	0	0	20.9	19 / 999	8.6
Area 137 Pit C	"	0830	Fine / Rain	0	0	0	20.9	17 / 999	10
	"	1330	Fine / Rain	0	0	0	20.9	18 / 999	10
	"	1700	Fine / Rain	0	0	0	20.9	19 / 999	10
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Field Operator: Name & Designation KWOK Ka Lung
Laboratory Staff: Signature 
Checked by: Date 29/5/2023

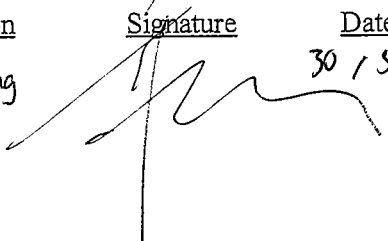
Contract no. 13/WSD/16
Mainlaying in Tseung Kwan O
Penta-Ocean - Concentric Joint Venture
Landfill Gas Monitoring –Field Measurement Recording Sheet

Name of site: 13/WSD/16 - Mainlaying in Tseung Kwan O
Date of measurement:

Sampling equipment used:	Dates calibrated
XT-XWHM-Y-OR	2/9/2022

Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission						
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Area 137 Pit A	30/5/2023	0830	Fine / Rain	0	0	0	20.9	18 / 999	8.4
	"	1330	Fine / Rain	0	0	0	20.9	17 / 999	8.4
	"	1700	Fine / Rain	0	0	0	20.9	18 / 999	8.4
Area 137 Pit B	"	0830	Fine / Rain	0	0	0	20.9	19 / 999	8.6
	"	1330	Fine / Rain	0	0	0	20.9	19 / 999	8.6
	"	1700	Fine / Rain	0	0	0	20.9	20 / 999	8.6
Area 137 Pit C	"	0830	Fine / Rain	0	0	0	20.9	17 / 999	10
	"	1330	Fine / Rain	0	0	0	20.9	18 / 999	10
	"	1700	Fine / Rain	0	0	0	20.9	19 / 999	10
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Field Operator: KWOK Ka Leung
Laboratory Staff:
Checked by:

Name & Designation: KWOK Ka Leung
Signature: 
Date: 30/5/2023

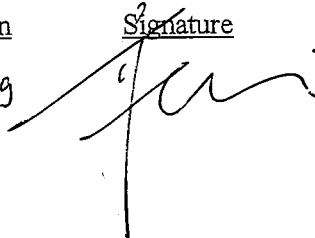
Contract no. 13/WSD/16
Mainlaying in Tseung Kwan O
Penta-Ocean - Concentric Joint Venture
Landfill Gas Monitoring –Field Measurement Recording Sheet

Name of site: 13/WSD/16 - Mainlaying in Tseung Kwan O
Date of measurement:

Sampling equipment used:	Dates calibrated
XT-XWHM-Y-OR	2/9/2022

Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission						
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Area 137 Pit A	31/5/2023	0830	Fine / Rain	0	0	0	20.9	17 / 999	8.4
	"	1330	Fine / Rain	0	0	0	20.9	19 / 999	8.4
	"	1700	Fine / Rain	0	0	0	20.9	20 / 999	8.4
Area 137 Pit B	"	0830	Fine / Rain	0	0	0	20.9	19 / 999	8.6
	"	1330	Fine / Rain	0	0	0	20.9	18 / 999	8.6
	"	1700	Fine / Rain	0	0	0	20.9	18 / 999	8.6
Area 137 Pit C	"	0830	Fine / Rain	0	0	0	20.9	19 / 999	10
	"	1330	Fine / Rain	0	0	0	20.9	17 / 999	10
	"	1700	Fine / Rain	0	0	0	20.9	18 / 999	10
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Field Operator: KWOK Ka Leung
Laboratory Staff:
Checked by:

Name & Designation: KWOK Ka Leung
Signature: 
Date: 31/5/2023