

# Appendix J

## Landfill Gas Monitoring Data

Contract no. 13/WSD/16  
Mainlaying in Tseung Kwan O  
Penta-Ocean - Concentric Joint Venture  
**Wan Po Road 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						Remark Depth (m)
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide (%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	
WPRTTA 4	1 / 8 / 2023	0830	Rainy/Fine	0	0	0	20.9	17 / 1009	3.7
	✓	1330	Rainy/Fine	0	0	0	20.9	18 / 1009	3.7
	✓	1700	Rainy/Fine	0	0	0	20.9	20 / 1010	3.7
WPRTTA 5	✓	0830	Rainy/Fine	0	0	0	20.9	18 / 1009	3.6
	✓	1330	Rainy/Fine	0	0	0	20.9	19 / 1010	3.6
	✓	1700	Rainy/Fine	0	0	0	20.9	18 / 1010	3.6

Field Operator: KK Wong (Competent Person)

Laboratory Staff:

Checked by:

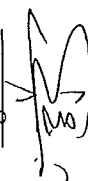
Signature  Date 1-8-2023

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

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

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

Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission						Remark Depth (m)
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide (%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	
WPRTTA 4	2 / 8 / 2023	0830	Rain / Fine	0	0	0	20.9	17 / 10 / 0	3.7
	y	1330	Rain / Fine	0	0	0	20.9	19 / 10 / 0	3.7
	y	1700	Rain / Fine	0	0	0	20.9	18 / 10 / 0	3.7
WPRTTA 5	y	0830	Rain / Fine	0	0	0	20.9	19 / 10 / 0	3.6
	y	1330	Rain / Fine	0	0	0	20.9	20 / 10 / 0	3.6
	y	1700	Rain / Fine	0	0	0	20.9	19 / 10 / 0	3.6

Field Operator: KK Wong (Competent Person)      Signature       Date 2-8-2023

Laboratory Staff:

Checked by:

Contract no. 13/WSD/16  
Mainlaying in Tseung Kwan O  
Penta-Ocean - Concentric Joint Venture  
**Wan Po Road 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						Remark
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide (%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	
WPRTTA 4	3 / 8 / 2023	0830	Rain/Fine	0	0	0	20.9	18 / 1000	3.7
	v	1330	Rain/Fine	0	0	0	20.9	20 / 1010	3.7
	v	1700	Rain/Fine	0	0	0	20.9	17 / 1010	3.7
WPRTTA 5	v	0830	Rain/Fine	0	0	0	20.9	19 / 1000	3.6
	v	1330	Rain/Fine	0	0	0	20.9	18 / 1010	3.6
	v	1700	Rain/Fine	0	0	0	20.9	17 / 1010	3.6

Field Operator: KK Wong (Competent Person)

Laboratory Staff:

Checked by:

Signature  Date 3-8-2023

Contract no. 13/WSD/16  
Mainlaying in Tseung Kwan O  
Penta-Ocean - Concentric Joint Venture  
**Wan Po Road 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						Remark Depth (m)
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide (%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	
WPRTA 4	4/8/2023	0830	Rain/Fine	0	0	0	20.9	18/1009	3.7
	✓	1330	Rain/Fine	0	0	0	20.9	20/1010	3.7
	✓	1700	Rain/Fine	0	0	0	20.9	19/1010	3.7
WPRTA 5	✓	0830	Rain/Fine	0	0	0	20.9	17/1009	3.6
	✓	1330	Rain/Fine	0	0	0	20.9	19/1009	3.6
	✓	1700	Rain/Fine	0	0	0	20.9	18/1009	3.6

Field Operator: KK Wong (Competent Person)      Signature       Date 4-8-2023

Laboratory Staff:

Checked by:

Contract no. 13/WSD/16  
Mainlaying in Tseung Kwan O  
Penta-Ocean - Concentric Joint Venture  
**Wan Po Road 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						Remark
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide (%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	
WPRTTA 4	7/8/2023	0830	<del>Rain</del> /Fine	0	0	0	20.9	18/1009	3.7
	✓	1330	<del>Rain</del> /Fine	0	0	0	20.9	20/1010	3.7
	✓	1700	<del>Rain</del> /Fine	0	0	0	20.9	17/1009	3.7
WPRTTA 5	✓	0830	<del>Rain</del> /Fine	0	0	0	20.9	19/1009	3.6
	✓	1330	<del>Rain</del> /Fine	0	0	0	20.9	18/1010	3.6
	✓	1700	<del>Rain</del> /Fine	0	0	0	20.9	17/1010	3.6

Field Operator: KK Wong (Competent Person)

Laboratory Staff:

Checked by:

Signature  Date 7-8-2023

Contract no. 13/WSD/16  
Mainlaying in Tseung Kwan O  
Penta-Ocean - Concentric Joint Venture  
**Wan Po Road 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						Remark Depth (m)
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide (%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	
WPRTTA 4	8 / 8 / 2023	0830	Rain/Fine	0	0	0	20.9	19 / 1010	3.7
	v	1330	Rain/Fine	0	0	0	20.9	20 / 1008	3.7
	v	1700	Rain/Fine	0	0	0	20.9	18 / 1009	3.7
WPRTTA 5	v	0830	Rain/Fine	0	0	0	20.9	18 / 1010	3.6
	v	1330	Rain/Fine	0	0	0	20.9	19 / 1009	3.6
	v	1700	Rain/Fine	0	0	0	20.9	20 / 1010	3.6

Field Operator: KK Wong (Competent Person)      Signature       Date 8-8-2023

Laboratory Staff:

Checked by:

Contract no. 13/WSD/16  
Mainlaying in Tseung Kwan O  
Penta-Ocean - Concentric Joint Venture  
**Wan Po Road 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)
WPRTTA 4	9/8/2023	0830	Rain/Fine	0	0	0	20.9	18/1000	3.7
	✓	1330	Rain/Fine	0	0	0	20.9	19/1000	3.7
	✓	1700	Rain/Fine	0	0	0	20.9	20/1000	3.7
WPRTTA 5	✓	0830	Rain/Fine	0	0	0	20.9	19/1000	3.6
	✓	1330	Rain/Fine	0	0	0	20.9	20/1000	3.6
	✓	1700	Rain/Fine	0	0	0	20.9	18/1000	3.6

Field Operator: KK Wong (Competent Person)

Laboratory Staff:

Checked by:

Signature  Date 9-8-2023



Contract no. 13/WSD/16  
Mainlaying in Tseung Kwan O  
Penta-Ocean - Concentric Joint Venture  
**Wan Po Road 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						Remark
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide (%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	
WPRTTA 4	10/8/2023	0830	Rain/Fine	0	0	0	20.9	19/10/0	3.7
	v	1330	Rain/Fine	0	0	0	20.9	18/1009	3.7
	v	1700	Rain/Fine	0	0	0	20.9	17/1009	3.7
WPRTTA 5	v	0830	Rain/Fine	0	0	0	20.9	18/10/0	3.6
	v	1330	Rain/Fine	0	0	0	20.9	20/10/0	3.6
	v	1700	Rain/Fine	0	0	0	20.9	19/1009	3.6

Field Operator: KK Wong (Competent Person)  
Laboratory Staff:  
Checked by:

Name & Designation  
Signature  
Date 10-8-2023

Contract no. 13/WSD/16  
Mainlaying in Tseung Kwan O  
Penta-Ocean - Concentric Joint Venture  
**Wan Po Road 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						Remark Depth (m)
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide (%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	
WPRTTA 4	11 / 8 / 2023	0830	Rain/Fine	0	0	0	20.9	18 / 1010	3.7
	✓	1330	Rain/Fine	0	0	0	20.9	20 / 1009	3.7
	✓	1700	Rain/Fine	0	0	0	20.9	19 / 1009	3.7
WPRTTA 5	✓	0830	Rain/Fine	0	0	0	20.9	17 / 1010	3.6
	✓	1330	Rain/Fine	0	0	0	20.9	18 / 1009	3.6
	✓	1700	Rain/Fine	0	0	0	20.9	19 / 1010	3.6

Field Operator: KK Wong (Competent Person)      Signature       Date 11-8-2023

Laboratory Staff:

Checked by:

Contract no. 13/WSD/16  
Mainlaying in Tseung Kwan O  
Penta-Ocean - Concentric Joint Venture  
**Wan Po Road 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						Remark
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide (%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	
WPRTTA 4	14/8/2023	0830	Rain/Fine	0	0	0	20.9	18/1000	3.7
	V	1330	Rain/Fine	0	0	0	20.9	19/1010	3.7
	V	1700	Rain/Fine	0	0	0	20.9	18/1010	3.7
WPRTTA 5	V	0830	Rain/Fine	0	0	0	20.9	17/1010	3.6
	V	1330	Rain/Fine	0	0	0	20.9	20/1000	3.6
	V	1700	Rain/Fine	0	0	0	20.9	18/1000	3.6

Field Operator: KK Wong (Competent Person)

Laboratory Staff:

Checked by:

Signature  Date 14-8-2023

Contract no. 13/WSD/16  
Mainlaying in Tseung Kwan O  
Penta-Ocean - Concentric Joint Venture  
**Wan Po Road 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	Weather condition	Monitoring wells / Surface Gas Emission					Remark
				Balance gas (%)	Flammable gas (methane %)	Carbon dioxide (%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	
WPRTTA 4	15/8/2023	0830	Rain/Fine	0	0	0	20.9	19/1009	3.7
	✓	1330	Rain/Fine	0	0	0	20.9	20/1008	3.7
	✓	1700	Rain/Fine	0	0	0	20.9	18/1010	3.7
WPRTTA 5	✓	0830	Rain/Fine	0	0	0	20.9	18/1010	3.6
	✓	1330	Rain/Fine	0	0	0	20.9	19/1009	3.6
	✓	1700	Rain/Fine	0	0	0	20.9	20/1009	3.6

Field Operator: KK Wong (Competent Person)

Laboratory Staff:

Checked by:

Signature  Date 15-8-2023


Contract no. 13/WSD/16  
Mainlaying in Tseung Kwan O  
Penta-Ocean - Concentric Joint Venture  
**Wan Po Road 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						Remark Depth (m)
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide (%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	
WPRTTA 4	16/8/2023	0830	Rain/Fine	0	0	0	20.9	18/1004	3.7
	✓	1330	Rain/Fine	0	0	0	20.9	20/1010	3.7
	✓	1700	Rain/Fine	0	0	0	20.9	17/1009	3.7
WPRTTA 5	✓	0830	Rain/Fine	0	0	0	20.9	19/1009	3.6
	✓	1330	Rain/Fine	0	0	0	20.9	18/1010	3.6
	✓	1700	Rain/Fine	0	0	0	20.9	18/1010	3.6

Date 16-8-2023

Signature 

Name & Designation

KK Wong (Competent Person)

Field Operator:

Laboratory Staff:

Checked by:

Contract no. 13/WSD/16  
Mainlaying in Tseung Kwan O  
Penta-Ocean - Concentric Joint Venture  
**Wan Po Road 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						Remark
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide (%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	
WPRTTA 4	17/8/2023	0830	Rain/Fine	0	0	0	20.9	19/1000	3.7
	✓	1330	Rain/Fine	0	0	0	20.9	20/1010	3.7
	✓	1700	Rain/Fine	0	0	0	20.9	18/1010	3.7
WPRTTA 5	✓	0830	Rain/Fine	0	0	0	20.9	17/1010	3.6
	✓	1330	Rain/Fine	0	0	0	20.9	18/1000	3.6
	✓	1700	Rain/Fine	0	0	0	20.9	19/1000	3.6

Field Operator: KK Wong (Competent Person)      Signature       Date 17-8-2023

Laboratory Staff:

Checked by:

Contract no. 13/WSD/16  
Mainlaying in Tseung Kwan O  
Penta-Ocean - Concentric Joint Venture  
**Wan Po Road 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						Remark
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide (%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	
WPRTTA 4	18/8/2023	0830	Rain/Fine	0	0	0	20.9	19/10/0	3.7
	✓	1330	Rain/Fine	0	0	0	20.9	20/10/0	3.7
	✓	1700	Rain/Fine	0	0	0	20.9	17/10/0	3.7
WPRTTA 5	✓	0830	Rain/Fine	0	0	0	20.9	18/10/0	3.6
	✓	1330	Rain/Fine	0	0	0	20.9	19/10/0	3.6
	✓	1700	Rain/Fine	0	0	0	20.9	20/10/0	3.6

Field Operator: KK Wong (Competent Person)

Laboratory Staff:

Checked by:

Signature  Date 18-8-2023

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
PGM-2500 (B-RAEIII)	28-7-2023
307H	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)
WPRTTA4	22/8/2023	08:30	Fine / Rainy	0	0	0	20.9	28 / 999	3.7
	✓	13:30	Fine / Rainy	0	0	0	20.9	33 / 999	3.7
	✓	16:30	Fine / Rainy	0	0	0	20.9	30 / 999	3.7
WPRTTA5	✓	08:30	Fine / Rainy	0	0	0	20.9	28 / 999	3.6
	✓	13:30	Fine / Rainy	0	0	0	20.9	33 / 999	3.6
	✓	16:30	Fine / Rainy	0	0	0	20.9	30 / 999	3.6
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Name & Designation: Wang Wai Sing  
Signature: Peter  
Date: 22 / 8 / 2023

Field Operator:

Laboratory Staff:

Checked by:



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

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

Date of measurement:

Sampling equipment used:	Dates calibrated
PGM-2500 (GRAFI II)	28-7-2023
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)
WPRTA4	23/8/2023	08:30	Fine / Rainy	0	0	0	20.9	28 / 999	3.7
		13:30	Fine / Rainy	0	0	0	20.9	33 / 999	3.7
		16:30	Fine / Rainy	0	0	0	20.9	30 / 999	3.7
WPRTA5		08:30	Fine / Rainy	0	0	0	20.9	28 / 999	3.6
		13:30	Fine / Rainy	0	0	0	20.9	33 / 999	3.6
		16:30	Fine / Rainy	0	0	0	20.9	30 / 999	3.6
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								/	

Field Operator: Wong Wai Sing      Signature: Oster      Date: 23/8/2023

Laboratory Staff:

Checked by:

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

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

Sampling equipment used:	Dates calibrated
PGM-2500 (SERIES III)	28-7-2023
1307H	17-11-2022

Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission						Remark
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide (%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	
WPRTTA4	24/8/2023	08:30	Fine / Rainy	0	0	0	20.9	26 / 999	3.7
	✓	13:30	Fine / Rainy	0	0	0	20.9	34 / 999	3.7
	✓	16:30	Fine / Rainy	0	0	0	20.9	30 / 999	3.7
WPRTTA5	✓	08:30	Fine / Rainy	0	0	0	20.9	26 / 999	3.6
	✓	13:30	Fine / Rainy	0	0	0	20.9	34 / 999	3.6
	✓	16:30	Fine / Rainy	0	0	0	20.9	30 / 999	3.6
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								/	
								/	
								/	
								/	
								/	
								/	
								/	

Name & Designation: Wang Wai Sing  
Signature: Peter  
Date: 24/8/2023

Field Operator:

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 (QRAE111)	28-7-2023
1307H	17-11-2022

[illegible]

<u>Name &amp; Designation</u>	<u>Signature</u>	<u>Date</u>
Wong Wei Sing	Peter	25/8/2023

Field Operator:

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: 13WSD/16 - Mainlaying in Tseung Kwan O

Date of measurement:

Sampling equipment used:	Dates calibrated
PGM-2500 (BPAE111)	28-7-2023
1307H	17-11-2022

[illegible]

<u>Name &amp; Designation</u>	<u>Signature</u>	<u>Date</u>
Wong Wai Sing	Peter	28/8/2023

Field Operator:

Laboratory Staff:

Checked by:

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

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

Date of measurement:

Sampling equipment used:	Dates calibrated
PGM-2500 (GRAEIII)	28-7-2023
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)
WPRTA4	29/8/2023	08:30	Fine / <del>Rainy</del>	0	0	0	20.9	26 / 999	3.7
	✓	13:30	Fine / Rainy	0	0	0	20.9	32 / 999	3.7
	✓	16:30	Fine / Rainy	0	0	0	20.9	29 / 999	3.7
WPRTA5	✓	08:30	Fine / Rainy	0	0	0	20.9	26 / 999	3.6
	✓	13:30	Fine / Rainy	0	0	0	20.9	32 / 999	3.6
	✓	16:30	Fine / Rainy	0	0	0	20.9	29 / 999	3.6
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								/	
								/	

Field Operator: Wong Wai Sing      Signature: Peter      Date: 29/8/2023

Laboratory Staff:

Checked by:

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

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

Sampling equipment used:	Dates calibrated
PGM-2500 (G.R.A.E.I.I.I.)	28-7-2023
307H	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)
WPRTA4	30/8/2023	08:30	Fine / Rainy	0	0	0	20.9	27 / 999	3.7
	~	13:30	Fine / Rainy	0	0	0	20.9	33 / 999	3.7
	~	16:30	Fine / Rainy	0	0	0	20.9	29 / 999	3.7
WPRTA5	~	08:30	Fine / Rainy	0	0	0	20.9	27 / 999	3.6
	~	13:30	Fine / Rainy	0	0	0	20.9	33 / 999	3.6
	~	16:30	Fine / Rainy	0	0	0	20.9	29 / 999	3.6
								/	
								/	
								/	
								/	
								/	
								/	
								/	
								/	

Field Operator: Wong Wai Sing  
Laboratory Staff:  
Checked by:

Name & Designation: Signature: Date: 30/8/2023

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
PGM-2500 (GRAEIII)	28-7-2023
307H	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)
WPRTTA 4	31/8/2023	08:30	Fine / Rainy	0	0	0	20.9	28 / 999	3.7
		13:30	Fine / Rainy	0	0	0	20.9	32 / 999	3.7
		16:30	Fine / Rainy	0	0	0	20.9	29 / 999	3.7
WPRTTA 5		08:30	Fine / Rainy	0	0	0	20.9	28 / 999	3.6
		13:30	Fine / Rainy	0	0	0	20.9	32 / 999	3.6
		16:30	Fine / Rainy	0	0	0	20.9	29 / 999	3.6
								/	
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								/	
								/	
								/	
								/	

Field Operator: Wang Wai Sing      Signature: Peter      Date: 31/8/2023

Laboratory Staff:

Checked by:

Contract no. 13/WSD/16  
Mainlaying in Tseung Kwan O  
Penta-Ocean - Concentric Joint Venture  
**Area 137 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						Remark Depth (m)
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide (%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	
Area 137 Pit A	1 / 8 / 2023	0830	Rain/Fine	0	0	0	20.9	18 / 1009	8.4
	✓	1330	Rain/Fine	0	0	0	20.9	20 / 1009	8.4
	✓	1700	Rain/Fine	0	0	0	20.9	17 / 1010	8.4
Area 137 Pit B	✓	0830	Rain/Fine	0	0	0	20.9	17 / 1009	8.6
	✓	1330	Rain/Fine	0	0	0	20.9	19 / 1010	8.6
	✓	1700	Rain/Fine	0	0	0	20.9	18 / 1010	8.6
Area 137 Pit C	✓	0830	Rain/Fine	0	0	0	20.9	19 / 1009	10
	✓	1330	Rain/Fine	0	0	0	20.9	20 / 1010	10
	✓	1700	Rain/Fine	0	0	0	20.9	18 / 1010	10

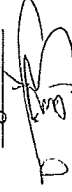
Name & Designation

Field Operator: KK Wong (Competent Person)

Laboratory Staff:

Checked by:

Signature



Date 1-8-2023



Contract no. 13/WSD/16  
Mainlaying in Tseung Kwan O  
Penta-Ocean - Concentric Joint Venture  
**Area 137 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						Remark
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide (%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	
Area 137 Pit A	2 / 8 / 2023	0830	Rain/Fine	0	0	0	20.9	18 / 1009	8.4
	✓	1330	Rain/Fine	0	0	0	20.9	17 / 1010	8.4
	✓	1700	Rain/Fine	0	0	0	20.9	20 / 1010	8.4
Area 137 Pit B	✓	0830	Rain/Fine	0	0	0	20.9	19 / 1010	8.6
	✓	1330	Rain/Fine	0	0	0	20.9	18 / 1009	8.6
	✓	1700	Rain/Fine	0	0	0	20.9	19 / 1009	8.6
Area 137 Pit C	✓	0830	Rain/Fine	0	0	0	20.9	18 / 1010	10
	✓	1330	Rain/Fine	0	0	0	20.9	19 / 1010	10
	✓	1700	Rain/Fine	0	0	0	20.9	18 / 1009	10

Name & Designation

Field Operator: KK Wong (Competent Person)

Laboratory Staff:

Checked by:

Signature

Date 2-8-2023

Contract no. 13/WSD/16  
Mainlaying in Tseung Kwan O  
Penta-Ocean - Concentric Joint Venture  
**Area 137 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						Remark Depth (m)
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide (%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	
Area 137 Pit A	3 / 8 / 2023	0830	Rain/Fine	0	0	0	20.9	19 / 1010	8.4
	✓	1330	Rain/Fine	0	0	0	20.9	20 / 1009	8.4
	✓	1700	Rain/Fine	0	0	0	20.9	18 / 1009	8.4
Area 137 Pit B	✓	0830	Rain/Fine	0	0	0	20.9	18 / 1010	8.6
	✓	1330	Rain/Fine	0	0	0	20.9	19 / 1010	8.6
	✓	1700	Rain/Fine	0	0	0	20.9	17 / 1009	8.6
Area 137 Pit C	✓	0830	Rain/Fine	0	0	0	20.9	18 / 1010	10
	✓	1330	Rain/Fine	0	0	0	20.9	20 / 1010	10
	✓	1700	Rain/Fine	0	0	0	20.9	19 / 1010	10

Name & Designation

Field Operator: KK Wong (Competent Person)

Laboratory Staff:

Checked by:

Signature

Date 3-8-2023

Contract no. 13/WSD/16  
Mainlaying in Tseung Kwan O  
Penta-Ocean - Concentric Joint Venture  
**Area 137 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						Remark Depth (m)
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide (%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	
Area 137 Pit A	4 / 8 / 2023	0830	Rain/Fine	0	0	0	20.9	18 / 1000	8.4
	✓	1330	Rain/Fine	0	0	0	20.9	17 / 1000	8.4
	✓	1700	Rain/Fine	0	0	0	20.9	19 / 1000	8.4
Area 137 Pit B	✓	0830	Rain/Fine	0	0	0	20.9	17 / 1000	8.6
	✓	1330	Rain/Fine	0	0	0	20.9	19 / 1000	8.6
	✓	1700	Rain/Fine	0	0	0	20.9	20 / 1000	8.6
Area 137 Pit C	✓	0830	Rain/Fine	0	0	0	20.9	18 / 1000	10
	✓	1330	Rain/Fine	0	0	0	20.9	20 / 1000	10
	✓	1700	Rain/Fine	0	0	0	20.9	18 / 1000	10

Name & Designation

Field Operator: KK Wong (Competent Person)

Laboratory Staff:

Checked by:

Signature

Date 4-8-2023

Contract no. 13/WSD/16  
Mainlaying in Tseung Kwan O  
Penta-Ocean - Concentric Joint Venture  
**Area 137 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						Remark Depth (m)
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide (%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	
Area 137 Pit A	7 / 8 / 2023	0830	Rain/Fine	0	0	0	20.9	18/10/0	8.4
	✓	1330	Rain/Fine	0	0	0	20.9	19/10/0	8.4
	✓	1700	Rain/Fine	0	0	0	20.9	17/1009	8.4
Area 137 Pit B	✓	0830	Rain/Fine	0	0	0	20.9	19/10/0	8.6
	✓	1330	Rain/Fine	0	0	0	20.9	20/10/0	8.6
	✓	1700	Rain/Fine	0	0	0	20.9	18/1009	8.6
Area 137 Pit C	✓	0830	Rain/Fine	0	0	0	20.9	17/10/0	10
	✓	1330	Rain/Fine	0	0	0	20.9	20/10/0	10
	✓	1700	Rain/Fine	0	0	0	20.9	18/1009	10

Name & Designation

Field Operator: KK Wong (Competent Person)

Laboratory Staff:

Checked by:

Signature

Date 7-8-2023

Contract no. 13/WSD/16  
Mainlaying in Tseung Kwan O  
Penta-Ocean - Concentric Joint Venture  
**Area 137 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						Remark
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide (%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	
Area 137 Pit A	8 / 8 / 2023	0830	Rain/Fine	0	0	0	20.9	18 / 1009	8.4
	✓	1330	Rain/Fine	0	0	0	20.9	19 / 1010	8.4
	✓	1700	Rain/Fine	0	0	0	20.9	20 / 1010	8.4
Area 137 Pit B	✓	0830	Rain/Fine	0	0	0	20.9	19 / 1010	8.6
	✓	1330	Rain/Fine	0	0	0	20.9	20 / 1009	8.6
	✓	1700	Rain/Fine	0	0	0	20.9	18 / 1009	8.6
Area 137 Pit C	✓	0830	Rain/Fine	0	0	0	20.9	19 / 1009	10
	✓	1330	Rain/Fine	0	0	0	20.9	18 / 1010	10
	✓	1700	Rain/Fine	0	0	0	20.9	18 / 1010	10

Name & Designation

Field Operator: KK Wong (Competent Person)

Laboratory Staff:

Checked by:

Signature

Date 8-8-2023

Contract no. 13/WSD/16  
Mainlaying in Tseung Kwan O  
Penta-Ocean - Concentric Joint Venture  
**Area 137 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						Remark
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide (%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	
Area 137 Pit A	9 / 8 / 2023	0830	Rain/Fine	0	0	0	20.9	19 / 1004	8.4
	✓	1330	Rain/Fine	0	0	0	20.9	20 / 1010	8.4
	✓	1700	Rain/Fine	0	0	0	20.9	18 / 1010	8.4
Area 137 Pit B	✓	0830	Rain/Fine	0	0	0	20.9	17 / 1010	8.6
	✓	1330	Rain/Fine	0	0	0	20.9	18 / 1004	8.6
	✓	1700	Rain/Fine	0	0	0	20.9	19 / 1010	8.6
Area 137 Pit C	✓	0830	Rain/Fine	0	0	0	20.9	18 / 1010	10
	✓	1330	Rain/Fine	0	0	0	20.9	20 / 1010	10
	✓	1700	Rain/Fine	0	0	0	20.9	19 / 1004	10

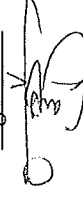
Name & Designation

Field Operator: KK Wong (Competent Person)

Laboratory Staff:

Checked by:

Signature



Date 9-8-2023

Contract no. 13/WSD/16  
Mainlaying in Tseung Kwan O  
Penta-Ocean - Concentric Joint Venture  
**Area 137 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						Remark Depth (m)
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide (%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	
Area 137 Pit A	10 / 8 / 2023	0830	Rain/Fine	0	0	0	20.9	18/1000	8.4
	✓	1330	Rain/Fine	0	0	0	20.9	19/1010	8.4
	✓	1700	Rain/Fine	0	0	0	20.9	17/1010	8.4
Area 137 Pit B	✓	0830	Rain/Fine	0	0	0	20.9	19/1000	8.6
	✓	1330	Rain/Fine	0	0	0	20.9	20/1010	8.6
	✓	1700	Rain/Fine	0	0	0	20.9	18/1000	8.6
Area 137 Pit C	✓	0830	Rain/Fine	0	0	0	20.9	17/1000	10
	✓	1330	Rain/Fine	0	0	0	20.9	18/1010	10
	✓	1700	Rain/Fine	0	0	0	20.9	19/1000	10

Field Operator: KK Wong (Competent Person)

Laboratory Staff:

Checked by:

Name & Designation

Signature

Date 10-8-2023


Contract no. 13/WSD/16  
Mainlaying in Tseung Kwan O  
Penta-Ocean - Concentric Joint Venture  
**Area 137 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	11/8/2023	0830	Rain/Fine	0	0	0	20.9	17/1000	8.4
	✓	1330	Rain/Fine	0	0	0	20.9	18/1000	8.4
	✓	1700	Rain/Fine	0	0	0	20.9	20/1000	8.4
Area 137 Pit B	✓	0830	Rain/Fine	0	0	0	20.9	18/1000	8.6
	✓	1330	Rain/Fine	0	0	0	20.9	19/1000	8.6
	✓	1700	Rain/Fine	0	0	0	20.9	19/1000	8.6
Area 137 Pit C	✓	0830	Rain/Fine	0	0	0	20.9	18/1000	10
	✓	1330	Rain/Fine	0	0	0	20.9	20/1000	10
	✓	1700	Rain/Fine	0	0	0	20.9	18/1000	10

Date 11-8-2023

Signature 

Name & Designation

Field Operator: KK Wong (Competent Person)

Laboratory Staff:

Checked by:



Contract no. 13/WSD/16  
Mainlaying in Tseung Kwan O  
Penta-Ocean - Concentric Joint Venture  
**Area 137 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						Remark Depth (m)
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide (%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	
Area 137 Pit A	14/8/2023	0830	Rain/Fine	0	0	0	20.9	17/100	8.4
	✓	1330	Rain/Fine	0	0	0	20.9	19/100	8.4
	✓	1700	Rain/Fine	0	0	0	20.9	20/100	8.4
Area 137 Pit B	✓	0830	Rain/Fine	0	0	0	20.9	18/100	8.6
	✓	1330	Rain/Fine	0	0	0	20.9	20/100	8.6
	✓	1700	Rain/Fine	0	0	0	20.9	19/100	8.6
Area 137 Pit C	✓	0830	Rain/Fine	0	0	0	20.9	18/100	10
	✓	1330	Rain/Fine	0	0	0	20.9	19/100	10
	✓	1700	Rain/Fine	0	0	0	20.9	20/100	10

Name & Designation

Field Operator: KK Wong (Competent Person)

Laboratory Staff:

Checked by:

Signature

Date 14-8-2023

Contract no. 13/WSD/16  
Mainlaying in Tseung Kwan O  
Penta-Ocean - Concentric Joint Venture  
**Area 137 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						Remark
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide (%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	
Area 137 Pit A	15/8/2023	0830	Rain/Fine	0	0	0	20.9	19/1009	8.4
	✓	1330	Rain/Fine	0	0	0	20.9	20/1010	8.4
	✓	1700	Rain/Fine	0	0	0	20.9	18/1010	8.4
Area 137 Pit B	✓	0830	Rain/Fine	0	0	0	20.9	20/1009	8.6
	✓	1330	Rain/Fine	0	0	0	20.9	18/1010	8.6
	✓	1700	Rain/Fine	0	0	0	20.9	17/1009	8.6
Area 137 Pit C	✓	0830	Rain/Fine	0	0	0	20.9	18/1010	10
	✓	1330	Rain/Fine	0	0	0	20.9	19/1010	10
	✓	1700	Rain/Fine	0	0	0	20.9	20/1009	10

Name & Designation

Field Operator: KK Wong (Competent Person)

Laboratory Staff:

Checked by:

Signature



Date 15-8-2023

Contract no. 13/WSD/16  
Mainlaying in Tseung Kwan O  
Penta-Ocean - Concentric Joint Venture  
**Area 137 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

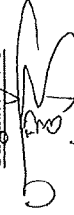
Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission					Remark	
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide (%)	Oxygen (%)		Temp (°C) / Pressure (mbar)
Area 137 Pit A	16/8/2023	0830	Rain/Fine	0	0	0	20.9	18/1009	8.4
	✓	1330	Rain/Fine	0	0	0	20.9	19/1010	8.4
	✓	1700	Rain/Fine	0	0	0	20.9	18/1010	8.4
Area 137 Pit B	✓	0830	Rain/Fine	0	0	0	20.9	17/1009	8.6
	✓	1330	Rain/Fine	0	0	0	20.9	18/1009	8.6
	✓	1700	Rain/Fine	0	0	0	20.9	19/1009	8.6
Area 137 Pit C	✓	0830	Rain/Fine	0	0	0	20.9	19/1010	10
	✓	1330	Rain/Fine	0	0	0	20.9	20/1010	10
	✓	1700	Rain/Fine	0	0	0	20.9	18/1009	10

Name & Designation

Field Operator: KK Wong (Competent Person)

Laboratory Staff:

Checked by:

Signature  


Date 16-8-2023

Contract no. 13/WSD/16  
 Mainlaying in Tseung Kwan O  
 Penta-Ocean - Concentric Joint Venture  
**Area 137 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						Remark Depth (m)
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide (%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	
Area 137 Pit A	17/8/2023	0830	Rain/Fine	0	0	0	20.9	19/100	8.4
	✓	1330	Rain/Fine	0	0	0	20.9	20/100	8.4
	✓	1700	Rain/Fine	0	0	0	20.9	18/100	8.4
Area 137 Pit B	✓	0830	Rain/Fine	0	0	0	20.9	17/100	8.6
	✓	1330	Rain/Fine	0	0	0	20.9	19/100	8.6
	✓	1700	Rain/Fine	0	0	0	20.9	17/100	8.6
Area 137 Pit C	✓	0830	Rain/Fine	0	0	0	20.9	18/100	10
	✓	1330	Rain/Fine	0	0	0	20.9	19/100	10
	✓	1700	Rain/Fine	0	0	0	20.9	20/100	10

Name & Designation

Field Operator: KK Wong (Competent Person)

Laboratory Staff:

Checked by:

Signature

Date 17-8-2023

Contract no. 13/WSD/16  
Mainlaying in Tseung Kwan O  
Penta-Ocean - Concentric Joint Venture  
**Area 137 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

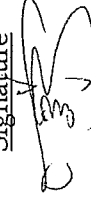
Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission						Remark Depth (m)
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide (%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	
Area 137 Pit A	18/8/2023	0830	<del>Rain</del> /Fine	0	0	0	20.9	17/1009	8.4
	✓	1330	<del>Rain</del> /Fine	0	0	0	20.9	19/1060	8.4
	✓	1700	<del>Rain</del> /Fine	0	0	0	20.9	18/1060	8.4
Area 137 Pit B	✓	0830	<del>Rain</del> /Fine	0	0	0	20.9	18/1060	8.6
	✓	1330	<del>Rain</del> /Fine	0	0	0	20.9	20/1009	8.6
	✓	1700	<del>Rain</del> /Fine	0	0	0	20.9	17/1060	8.6
Area 137 Pit C	✓	0830	<del>Rain</del> /Fine	0	0	0	20.9	18/1009	10
	✓	1330	<del>Rain</del> /Fine	0	0	0	20.9	20/1060	10
	✓	1700	<del>Rain</del> /Fine	0	0	0	20.9	17/1060	10

Name & Designation

Field Operator: KK Wong (Competent Person)

Laboratory Staff:

Checked by:

Signature  



Date 18-8-2023

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						Remark
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide (%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	
Area A	1 / 8 / 2023	0830	Rain/Fine	0	0	0	20.9	18 / 1010	5.5
	✓	1330	Rain/Fine	0	0	0	20.9	20 / 1009	5.5
	✓	1700	Rain/Fine	0	0	0	20.9	19 / 1009	5.5
Area B	✓	0830	Rain/Fine	0	0	0	20.9	17 / 1009	5.5
	✓	1330	Rain/Fine	0	0	0	20.9	18 / 1010	5.5
	✓	1700	Rain/Fine	0	0	0	20.9	20 / 1010	5.5

Field Operator: KK Wong (Competent Person)

Signature 

Date 1-8-2023

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
XT-XWHM-Y-OR	2/9/2022

Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission						Remark
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide (%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	
Area A	2/8/2023	0830	Rain/Fine	0	0	0	20.9	19/1000	5.5
	✓	1330	Rain/Fine	0	0	0	20.9	20/1000	5.5
	✓	1700	Rain/Fine	0	0	0	20.9	18/1000	5.5
Area B	✓	0830	Rain/Fine	0	0	0	20.9	18/1000	5.5
	✓	1330	Rain/Fine	0	0	0	20.9	19/1000	5.5
	✓	1700	Rain/Fine	0	0	0	20.9	19/1000	5.5


Name & Designation

Field Operator: KK Wong (Competent Person)

Laboratory Staff:

Checked by:

Signature



Date 2-8-2023

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						Remark
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide (%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	
Area A	3 / 8 / 2023	0830	Rain/Fine	0	0	0	20.9	17 / 1009	5.5
	✓	1330	Rain/Fine	0	0	0	20.9	19 / 1010	5.5
	✓	1700	Rain/Fine	0	0	0	20.9	20 / 1010	5.5
Area B	✓	0830	Rain/Fine	0	0	0	20.9	18 / 1009	5.5
	✓	1330	Rain/Fine	0	0	0	20.9	20 / 1009	5.5
	✓	1700	Rain/Fine	0	0	0	20.9	19 / 1010	5.5

Name & Designation

Field Operator: KK Wong (Competent Person)

Laboratory Staff:

Checked by:

Signature



Date 3-8-2023



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						Remark
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide (%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	
Area A	4 / 8 / 2023	0830	Rain/Fine	0	0	0	20.9	19 / 1009	5.5
	✓	1330	Rain/Fine	0	0	0	20.9	20 / 1009	5.5
	✓	1700	Rain/Fine	0	0	0	20.9	18 / 1010	5.5
Area B	✓	0830	Rain/Fine	0	0	0	20.9	18 / 1009	5.5
	✓	1330	Rain/Fine	0	0	0	20.9	19 / 1010	5.5
	✓	1700	Rain/Fine	0	0	0	20.9	17 / 1010	5.5

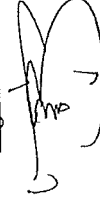
Name & Designation

Field Operator: KK Wong (Competent Person)

Laboratory Staff:

Checked by:

Signature



Date 4-8-2023

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					Remark	
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide (%)	Oxygen (%)		Temp (°C) / Pressure (mbar)
Area A	7 / 8 / 2023	0830	Rain / Fine	0	0	0	20.9	17 / 1009	5.5
	✓	1330	Rain / Fine	0	0	0	20.9	18 / 1010	5.5
	✓	1700	Rain / Fine	0	0	0	20.9	20 / 1010	5.5
Area B	✓	0830	Rain / Fine	0	0	0	20.9	18 / 1009	5.5
	✓	1330	Rain / Fine	0	0	0	20.9	19 / 1010	5.5
	✓	1700	Rain / Fine	0	0	0	20.9	18 / 1010	5.5

Name & Designation

Field Operator: KK Wong (Competent Person)

Laboratory Staff:

Checked by:

Signature



Date 7-8-2023

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					Remark Depth (m)	
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide (%)	Oxygen (%)		Temp (°C) / Pressure (mbar)
Area A	8 / 8 / 2023	0830	Rain/ Fine	0	0	0	20.9	18 / 1000	5.5
	✓	1330	Rain/ Fine	0	0	0	20.9	20 / 1000	5.5
	✓	1700	Rain/ Fine	0	0	0	20.9	18 / 1000	5.5
Area B	✓	0830	Rain/ Fine	0	0	0	20.9	19 / 1000	5.5
	✓	1330	Rain/ Fine	0	0	0	20.9	19 / 1000	5.5
	✓	1700	Rain/ Fine	0	0	0	20.9	18 / 1000	5.5

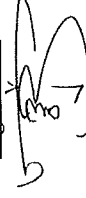
Name & Designation

Field Operator: KK Wong (Competent Person)

Laboratory Staff:

Checked by:

Signature



Date 8-8-2023

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

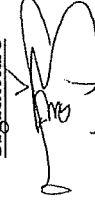
Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission						Remark
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide (%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	
Area A	9 / 8 / 2023	0830	Rain/Fine	0	0	0	20.9	17 / 1009	5.5
	"	1330	Rain/Fine	0	0	0	20.9	20 / 1010	5.5
	"	1700	Rain/Fine	0	0	0	20.9	18 / 1010	5.5
Area B	"	0830	Rain/Fine	0	0	0	20.9	19 / 1009	5.5
	"	1330	Rain/Fine	0	0	0	20.9	18 / 1010	5.5
	"	1700	Rain/Fine	0	0	0	20.9	20 / 1010	5.5

Name & Designation

Field Operator: KK Wong (Competent Person)

Laboratory Staff:

Checked by:

Signature  


Date 9-8-2023

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						Remark
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide (%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	
Area A	10 / 8 / 2023	0830	Rain / Fine	0	0	0	20.9	18 / 1010	5.5
	✓	1330	Rain / Fine	0	0	0	20.9	17 / 1009	5.5
	✓	1700	Rain / Fine	0	0	0	20.9	19 / 1010	5.5
Area B	✓	0830	Rain / Fine	0	0	0	20.9	19 / 1009	5.5
	✓	1330	Rain / Fine	0	0	0	20.9	18 / 1009	5.5
	✓	1700	Rain / Fine	0	0	0	20.9	20 / 1010	5.5

Name & Designation

Field Operator: KK Wong (Competent Person)

Laboratory Staff:

Checked by:

Signature



Date 10-8-2023

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						Remark
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide (%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	
Area A	11 / 8 / 2023	0830	Rain/Fine	0	0	0	20.9	19 / 1010	5.5
	✓	1330	Rain/Fine	0	0	0	20.9	18 / 1010	5.5
	✓	1700	Rain/Fine	0	0	0	20.9	>0 / 1000	5.5
Area B	✓	0830	Rain/Fine	0	0	0	20.9	19 / 1010	5.5
	✓	1330	Rain/Fine	0	0	0	20.9	17 / 1000	5.5
	✓	1700	Rain/Fine	0	0	0	20.9	18 / 1010	5.5

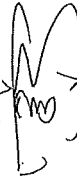
Name & Designation

Field Operator: KK Wong (Competent Person)

Laboratory Staff:

Checked by:

Signature



Date 11-8-2023

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						Remark
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide (%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	
Area A	14/8/2023	0830	Rain/Fine	0	0	0	20.9	18/10/0	5.5
	V	1330	Rain/Fine	0	0	0	20.9	19/1009	5.5
	V	1700	Rain/Fine	0	0	0	20.9	17/1009	5.5
Area B	V	0830	Rain/Fine	0	0	0	20.9	19/10/0	5.5
	V	1330	Rain/Fine	0	0	0	20.9	18/1009	5.5
	V	1700	Rain/Fine	0	0	0	20.9	18/10/0	5.5

Name & Designation

Field Operator: KK Wong (Competent Person)

Laboratory Staff:

Checked by:

Signature



Date 14-8-2023

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						Remark
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide (%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	
Area A	15/8/2023	0830	Rain/Fine	0	0	0	20.9	17/100	5.5
	✓	1330	Rain/Fine	0	0	0	20.9	20/100	5.5
	✓	1700	Rain/Fine	0	0	0	20.9	18/100	5.5
Area B	✓	0830	Rain/Fine	0	0	0	20.9	18/100	5.5
	✓	1330	Rain/Fine	0	0	0	20.9	19/100	5.5
	✓	1700	Rain/Fine	0	0	0	20.9	20/100	5.5

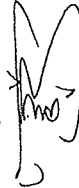
Name & Designation

Field Operator: KK Wong (Competent Person)

Laboratory Staff:

Checked by:

Signature



Date 15-8-2023



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 A	16 / 8 / 2023	0830	Rain/Fine	0	0	0	20.9	17 / 10 / 0	5.5
	✓	1330	Rain/Fine	0	0	0	20.9	20 / 10 / 0	5.5
	✓	1700	Rain/Fine	0	0	0	20.9	19 / 10 / 0	5.5
Area B	✓	0830	Rain/Fine	0	0	0	20.9	18 / 10 / 0	5.5
	✓	1330	Rain/Fine	0	0	0	20.9	19 / 10 / 0	5.5
	✓	1700	Rain/Fine	0	0	0	20.9	20 / 10 / 0	5.5

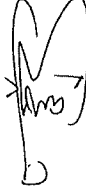
Name & Designation

Field Operator: KK Wong (Competent Person)

Laboratory Staff:

Checked by:

Signature



Date 16-8-2023

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						Remark
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide (%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	
Area A	17 / 8 / 2023	0830	Rain/Fine	0	0	0	20.9	19 / 1000	5.5
	✓	1330	Rain/Fine	0	0	0	20.9	20 / 1000	5.5
	✓	1700	Rain/Fine	0	0	0	20.9	18 / 1000	5.5
Area B	✓	0830	Rain/Fine	0	0	0	20.9	18 / 1000	5.5
	✓	1330	Rain/Fine	0	0	0	20.9	20 / 1000	5.5
	✓	1700	Rain/Fine	0	0	0	20.9	19 / 1000	5.5

Name & Designation

Signature

Field Operator: KK Wong (Competent Person)

Laboratory Staff:

Checked by:

Date 17-8-2023



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					Remark	
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide (%)	Oxygen (%)		Temp (°C) / Pressure (mbar)
Area A	18 / 8 / 2023	0830	Rain/Fine	0	0	0	20.9	19 / 1009	5.5
	"	1330	Rain/Fine	0	0	0	20.9	18 / 1010	5.5
	"	1700	Rain/Fine	0	0	0	20.9	20 / 1010	5.5
Area B	"	0830	Rain/Fine	0	0	0	20.9	18 / 1010	5.5
	"	1330	Rain/Fine	0	0	0	20.9	20 / 1009	5.5
	"	1700	Rain/Fine	0	0	0	20.9	19 / 1010	5.5

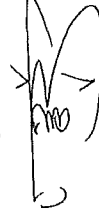
Name & Designation

Field Operator: KK Wong (Competent Person)

Laboratory Staff:

Checked by:

Signature



Date 18-8-2023

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
PGM-2300 (G&A Elite)	28-7-2023
1307 H	17-11-2022

Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission						Remark
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	
Area A	19/8/2023	08:30	Fine / Rainy	0	0	0	20.9	27 / 999	5.5
	✓	13:30	Fine / Rainy	0	0	0	20.9	31 / 999	5.5
	✓	16:30	Fine / Rainy	0	0	0	20.9	28 / 999	5.5
Area B	✓	08:30	Fine / Rainy	0	0	0	20.9	27 / 999	5.5
	✓	13:30	Fine / Rainy	0	0	0	20.9	31 / 999	5.5
	✓	16:30	Fine / Rainy	0	0	0	20.9	28 / 999	5.5
								/	
								/	
								/	
								/	
								/	
								/	
								/	
								/	

Field Operator: Wong Wai Sing      Signature: Peter      Date: 19/8/2023

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
PGM-2500 (GGAEM)	28-7-2023
1307 H	17-11-2022

Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission							Remark
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide (%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Depth (m)	
Area A	21/8/2023	08:30	Fine / Rainy	0	0	0	20.9	28 / 999	5.5	
	✓	13:30	Fine / Rainy	0	0	0	20.9	32 / 999	5.5	
	✓	16:30	Fine / Rainy	0	0	0	20.9	30 / 999	5.5	
Area B	✓	08:30	Fine / Rainy	0	0	0	20.9	28 / 999	5.5	
	✓	13:30	Fine / Rainy	0	0	0	20.9	32 / 999	5.5	
	✓	16:30	Fine / Rainy	0	0	0	20.9	30 / 999	5.5	

Name & Designation: Wong Wai Sing      Signature: Peter      Date: 21/8/2023

Field Operator:

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

13WSD/16 - Mainlaying in Tseung Kwan O

PGM-2500 (GRAEIII)	28-7-2023
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Sampling equipment used:	Dates calibrated
PGM-2500 (G&A Eni)	28-7-2023
1307 H	17-11-2022

[illegible]

<u>Name &amp; Designation</u>	<u>Signature</u>	<u>Date</u>
Wong Wai Sing	Peter	22/8/2023

Field Operator:

Laboratory Staff:

Checked by:

Contract no. 13/WSD/16  
Mainlaying in Tseung Kwan O  
Penta-Ocean - Concentric Joint

Name of site:  
Date of measurement:

Sampling equipment used:	Dates calibrated
PGM-2500 (GRAEUI)	28-7-2023
1307 H	17-11-2022

[illegible]

Field Operator:

<u>Name &amp; Designation</u>	<u>Signature</u>	<u>Date</u>
Wong Wai Sing	Peter	23/8/2023

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

13/WSD/16 - Mainlaying in Tseung Kwan O

Date of measurement:

Sampling equipment used:	Dates calibrated
PGM-2500 (GFAIII)	28-7-2023
1307 H	17-11-2022

[illegible]

<u>Name &amp; Designation</u>	<u>Signature</u>	<u>Date</u>
Wong Wai Sing	Peter	24/8/2023

Field Operator:

Laboratory Staff:

Checked by:-



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

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

Date of measurement:

Sampling equipment used:	Dates calibrated
PGM-2500 (GFAEUU)	28-7-2023
1307 H	17-11-2022

Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission						Remark
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide (%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	
Area A	25/8/2023	08:30	Fine / Rainy	0	0	0	20.9	28 / 999	5.5
	✓	13:30	Fine / Rainy	0	0	0	20.9	30 / 999	5.5
	✓	16:30	Fine / Rainy	0	0	0	20.9	29 / 999	5.5
Area B	✓	08:30	Fine / Rainy	0	0	0	20.9	28 / 999	5.5
	✓	13:30	Fine / Rainy	0	0	0	20.9	30 / 999	5.5
	✓	16:30	Fine / Rainy	0	0	0	20.9	29 / 999	5.5
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Field Operator: Wong Wai Sing  
Laboratory Staff:  
Checked by:

Name & Designation

Signature

Date

25/8/2023

Peter

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

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

Date of measurement:

Sampling equipment used:	Dates calibrated
PGM-2500 (G&AEnv)	28-7-2023
1307 H	17-11-2022

Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission						Remark
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	
Area A	26/8/2023	08:30	Fine / Rainy	0	0	0	20.9	28 / 999	5.5
	✓	13:30	Fine / Rainy	0	0	0	20.9	33 / 999	5.5
	✓	16:30	Fine / Rainy	0	0	0	20.9	30 / 999	5.5
Area B	✓	08:30	Fine / Rainy	0	0	0	20.9	28 / 999	5.5
	✓	13:30	Fine / Rainy	0	0	0	20.9	33 / 999	5.5
	✓	16:30	Fine / Rainy	0	0	0	20.9	30 / 999	5.5
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Name & Designation: Wong Wai King  
Signature: Peter  
Date: 26/8/2023

Field Operator:

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:

13WSD/16 - Mainlaying in Tseung Kwan O

Date of measurement:

Sampling equipment used:	Dates calibrated
PGM-2500 (GRAEUI)	28-7-2023
1307 H	17-11-2022

[illegible]

<u>Name &amp; Designation</u>	<u>Signature</u>	<u>Date</u>
Wong Wai Sing	Peter	28/8/2023

Field Operator:

Laboratory Staff:

Checked by:

Contract no. 13/WSD/16  
Mainlaying in Tseung Kwan O

13/WSD/16 - Mainlaying in Tseung Kwan O

Date of measurement:

Sampling equipment used:	Dates calibrated
PGM-2500 (GFAE111)	28-7-2023
1307 H	17-11-2022

[illegible]

<u>Name &amp; Designation</u>	<u>Signature</u>	<u>Date</u>
Wong Wai King	Peter	29/8/2023

Field Operator:

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 (G&A E111)	28-7-2023
1307 H	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)
Area A	30/8/2023	08:30	Fine / <del>Rainy</del>	0	0	0	20.9	27 / 999	5.5
	✓	13:30	Fine / <del>Rainy</del>	0	0	0	20.9	33 / 999	5.5
	✓	16:30	Fine / <del>Rainy</del>	0	0	0	20.9	29 / 999	5.5
Area B	✓	08:30	Fine / <del>Rainy</del>	0	0	0	20.9	27 / 999	5.5
	✓	13:30	Fine / <del>Rainy</del>	0	0	0	20.9	33 / 999	5.5
	✓	16:30	Fine / <del>Rainy</del>	0	0	0	20.9	29 / 999	5.5
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Name & Designation: Wong Wai King  
Signature: Peter  
Date: 30/8/2023

Field Operator:

Laboratory Staff:

Checked by:

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

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

Date of measurement:

Sampling equipment used:	Dates calibrated
PGM-2500 (G&A E11)	28-7-2023
1307 H	17-11-2022

Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission							Remark
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide (%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Depth (m)	
Area A	31/8/2023	08:30	Fine / Rainy	0	0	0	20.9	28 / 999	5.5	
	✓	13:30	Fine / Rainy	0	0	0	20.9	32 / 999	5.5	
	✓	16:30	Fine / Rainy	0	0	0	20.9	29 / 999	5.5	
Area B	✓	08:30	Fine / Rainy	0	0	0	20.9	28 / 999	5.5	
	✓	13:30	Fine / Rainy	0	0	0	20.9	32 / 999	5.5	
	✓	16:30	Fine / Rainy	0	0	0	20.9	29 / 999	5.5	
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Field Operator: Wong Wai Sing      Signature: Peter      Date: 31/8/2023

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:

13WSD/16 - Mainlaying in Tseung Kwan O

Date of measurement:

Sampling equipment used:	Dates calibrated
PGM-2500 (QRAEIII)	28-7-2023
1307H	17-11-2022

[illegible]

<u>Name &amp; Designation</u>	<u>Signature</u>	<u>Date</u>
Wong Wai Sing	Peter	21/8/2023

Field Operator:

Laboratory Staff:

Checked by:

## Landfill Gas Monitoring --Field Measurement Recording Sheet

Name of site:

Date of measurement:

Sampling equipment used:	Dates calibrated
PGM-2500 (QRAE111)	28-7-2023
1307H	17-11-2022

[illegible]

<u>Name &amp; Designation</u>	<u>Signature</u>	<u>Date</u>
Wong Wai Sing	Peter	3/8/2023

Field Operator:

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 (GRAE IV)	28-7-2023

[illegible]

Name & Designation	Signature	Date
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Field Operator:

**Laboratory Staff:**

Checked by:

## Contract no. 13/WS/D/16

## Mainlaying in Tseung Kwan O

### Penta-Ocean - Concentric Joint Venture

## Landfill Gas Monitoring—Field Measurement Recording Sheet

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

Date of measurement:

Sampling equipment used:	Dates calibrated
PGM-2500 (QRAE111)	28-7-2023
1307H	17-11-2022

[illegible]

<u>Name &amp; Designation</u>	<u>Signature</u>	<u>Date</u>
Wong Wai Sing	Peter	10/8/2023

Field Operator:

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

13/WSD/16 - Mainlaying in Tseung Kwan O

Date of measurement:

Sampling equipment used:	Dates calibrated
PGM-2500 (QRAE III)	28-7-2023
1307 H	17-11-2022

[illegible]

<u>Name &amp; Designation</u>	<u>Signature</u>	<u>Date</u>
Wong Wai Sing	Peter	11/8/2023

Field Operator:

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: 13WSD/16 - Mainlaying in Tseung Kwan O

Date of measurement:

Sampling equipment used:	Dates calibrated
PGM-2500 (QRAE III)	28-7-2023
1307H	17-11-2022

[illegible]

<u>Name &amp; Designation</u>	<u>Signature</u>	<u>Date</u>
Wong Wai Sing	Peter	12/8/2023

Field Operator:

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

13WSD/16 – Mainlaying in Tseung Kwan O

Date of measurement:

Sampling equipment used:	Dates calibrated
PGM-2500 (GRAE111)	28-7-2023
1307H	17-11-2022

[illegible]

<u>Name &amp; Designation</u>	<u>Signature</u>	<u>Date</u>
Wong Wai Sing	Peter	14/8/2023

Field Operator:

Laboratory Staff:

Checked by:

## Contract no. 13/WSD/16

# Maintaining 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)	28-7-2023
1307 H	17-11-2022

[illegible]

<u>Name &amp; Designation</u>	<u>Signature</u>	<u>Date</u>
Wong Wai Sing	Peter	15/8

Field Operator:

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

13/WSD/16 - Mainlaying in Tseung Kwan O

Date of measurement:

Sampling equipment used:	Dates calibrated
PGM-2500 (QRAE II)	28-7-2023
1307 H	17-11-2022

[illegible]

<u>Name &amp; Designation</u>	<u>Signature</u>	<u>Date</u>
Wong Wai Sing	Peter	16/8/2023

Date

Signature

Name &amp; Designation

Wong Wai Sing

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: 13WSD/16 - Mainlaying in Tseung Kwan O

Date of measurement:

Sampling equipment used:	Dates calibrated
PGM-2500 (QRAE III)	28-7-2023
1307H	17-11-2022

[illegible]

<u>Name &amp; Designation</u>	<u>Signature</u>	<u>Date</u>
Wong Wai Sing	Peter	17/8/2023

Field Operator:

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

13WSD/16 - Mainlaying in Tseung Kwan O

Date of measurement:

Sampling equipment used:	Dates calibrated
PGM-2500 (QRAE III)	28-7-2023
1307 H	17-11-2022

[illegible]

<u>Name &amp; Designation</u>	<u>Signature</u>	<u>Date</u>
Wong Wai Sing	Peter	18/8/2023

Field Operator:

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 (QFAE11)	28-7-2023
1307 H	17-11-2022

[illegible]

<u>Name &amp; Designation</u>	<u>Signature</u>	<u>Date</u>
Wong Wai Sing	Peter	24/8/2023

Field Operator:

Laboratory Staff:

Checked by:

Contract no. 13/WS/16  
Mainlaying in Tseung Kwan O

Name of site:  
Date of measurement:

Sampling equipment used:	Dates calibrated
PGM-2500 (QRAE III)	28-7-2023
1307H	17-11-2022

[illegible]

<u>Name &amp; Designation</u>	<u>Signature</u>	<u>Date</u>
Wong Wai Sing	Peter	25/8/2023

Field Operator:

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:

PGM-2500 (QRAE III)

Monitoring wells / Surface Gas Emission

Date \_\_\_\_\_

Signature \_\_\_\_\_

Name &amp; Designation

Field Operator:

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)	28-7-2023
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	30/8/2023	08:30	Fine / Rainy	0	0	0	20.9	27/999	9
		13:30	Fine / Rainy	0	0	0	20.9	33/999	9
		16:30	Fine / Rainy	0	0	0	20.9	29/999	9
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Name & Designation: Wong Wai Sing  
Signature: Peter  
Date: 30/8/2023

Field Operator:

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: 13WSD/16 - Mainlaying in Tseung Kwan O

Date of measurement:

Sampling equipment used:	Dates calibrated
PGM-2500 (QRAE II)	28-7-2023
1307 H	17-11-2022

[illegible]

<u>Name &amp; Designation</u>	<u>Signature</u>	<u>Date</u>
Wong Wai Sing	Peter	3/18/2023

Field Operator:

Laboratory Staff:

Checked by: