



Appendix J

Landfill Gas Monitoring Data

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	3/7/2023	0830	Rain/Fine	0	0	0	20.9	19 / 1009	5.5
	✓	1330	Rain/Fine	0	0	0	20.9	20 / 1010	5.5
	✓	1700	Rain/Fine	0	0	0	20.9	18 / 1009	5.5
Area B	✓	0830	Rain/Fine	0	0	0	20.9	20 / 1010	5.5
	✓	1330	Rain/Fine	0	0	0	20.9	18 / 1010	5.5
	✓	1700	Rain/Fine	0	0	0	20.9	17 / 1009	5.5

Name & Designation

Signature

Date 3-7-2023

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

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	4 / 7 / 2023	0830	Rain/Fine	0	0	0	20.9	17 / 1009	5.5
	✓	1330	Rain/Fine	0	0	0	20.9	19 / 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	19 / 1009	5.5
	✓	1330	Rain/Fine	0	0	0	20.9	20 / 1010	5.5
	✓	1700	Rain/Fine	0	0	0	20.9	17 / 1009	5.5

Name & Designation

Field Operator: KK Wong (Competent Person)

Signature



Date 4-7-2023

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 A	5 / 7 / 2023	0830	Rain/Fine	0	0	0	20.9	19 / 1010	5.5
	✓	1330	Rain/Fine	0	0	0	20.9	20 / 1009	5.5
	✓	1700	Rain/Fine	0	0	0	20.9	18 / 1009	5.5
Area B	✓	0830	Rain/Fine	0	0	0	20.9	20 / 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

Signature

Date 5-7-2023

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

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	6 / 7 / 2023	0830	Rain/Fine	0	0	0	20.9	19 / 1010	5.5
	✓	1330	Rain/Fine	0	0	0	20.9	17 / 1009	5.5
	✓	1700	Rain/Fine	0	0	0	20.9	18 / 1009	5.5
Area B	✓	0830	Rain/Fine	0	0	0	20.9	20 / 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

Signature

Date

6-7-2023

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

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	7 / 7 / 2023	0830	Rain/Fine	0	0	0	20.9	17 / 1010	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
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 / 1009	5.5

Name & Designation

Signature

Date 7-7-2023

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

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	10/7/2023	0830	Rain/Fine	0	0	0	20.9	19/10/0	5.5
	✓	1330	Rain/Fine	0	0	0	20.9	20/10/0	5.5
	✓	1700	Rain/Fine	0	0	0	20.9	18/10/0	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)

Signature



Date 10-7-2023

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 A	11 / 7 / 2023	0830	Rain/Fine	0	0	0	20.9	18 / 1009	5.5
	✓	1330	Rain/Fine	0	0	0	20.9	17 / 1010	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 / 1010	5.5
	✓	1700	Rain/Fine	0	0	0	20.9	18 / 1009	5.5

Name & Designation

Field Operator: KK Wong (Competent Person)

Laboratory Staff:

Checked by:

Signature



Date 11-7-2023

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	12 / 7 / 2023	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	20 / 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	19 / 1009	5.5

Name & Designation

Field Operator: KK Wong (Competent Person)

Signature



Date 12-7-2023

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 A	13/7/2023	0830	Rain/Fine	0	0	0	20.9	19/1010	5.5
	y	1330	Rain/Fine	0	0	0	20.9	20/1010	5.5
	y	1700	Rain/Fine	0	0	0	20.9	18/1009	5.5
Area B	y	0830	Rain/Fine	0	0	0	20.9	18/1009	5.5
	y	1330	Rain/Fine	0	0	0	20.9	19/1010	5.5
	y	1700	Rain/Fine	0	0	0	20.9	19/1010	5.5

Name & Designation

Signature

Date 13-7-2023

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
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	14/7/2023	0830	Rain/Fine	0	0	0	20.9	17/1009	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	19/1010	5.5
	✓	1330	Rain/Fine	0	0	0	20.9	18/1009	5.5
	✓	1700	Rain/Fine	0	0	0	20.9	20/1009	5.5

Name & Designation

Signature

Date 14-7-2023

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

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	18/7/2023	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	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	19/1009	5.5
	✓	1700	Rain/ Fine	0	0	0	20.9	20/1010	5.5

Name & Designation

Signature

Date 18-7-2023

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

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	19/7/2023	0830	Rain/Fine	0	0	0	20.9	19/1009	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	17/1009	5.5
	✓	1330	Rain/Fine	0	0	0	20.9	18/1009	5.5
	✓	1700	Rain/Fine	0	0	0	20.9	19/1010	5.5

Name & Designation

Field Operator:

KK Wong (Competent Person)

Signature



Date 19-7-2023

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 A	20/7/2023	0830	Rain /Fine	0	0	0	20.9	19/1010	5.5
	✓	1330	Rain /Fine	0	0	0	20.9	20/1010	5.5
	✓	1700	Rain /Fine	0	0	0	20.9	18/1009	5.5
Area B	✓	0830	Rain /Fine	0	0	0	20.9	17/1009	5.5
	✓	1330	Rain /Fine	0	0	0	20.9	19/1010	5.5
	✓	1700	Rain /Fine	0	0	0	20.9	19/1009	5.5

Name & Designation

Field Operator: KK Wong (Competent Person)

Signature



Date 20-7-2023

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 A	21 / 7 / 2023	0830	Rain/Fine	0	0	0	20.9	20 / 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
Area B	√	0830	Rain/Fine	0	0	0	20.9	19 / 1009	5.5
	√	1330	Rain/Fine	0	0	0	20.9	20 / 1010	5.5
	√	1700	Rain/Fine	0	0	0	20.9	19 / 1009	5.5

Name & Designation

Field Operator: KK Wong (Competent Person)

Signature



Date 21-7-2023

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 A	24/7/2023	0830	Rain/Fine	0	0	0	20.9	19/10/0	5.5
	✓	1330	Rain/Fine	0	0	0	20.9	20/1009	5.5
	✓	1700	Rain/Fine	0	0	0	20.9	17/10/0	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	19/1009	5.5
	✓	1700	Rain/Fine	0	0	0	20.9	18/1009	5.5

Name & Designation

Signature

Date 24-7-2023

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

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	25/7/2023	0830	Rain/Fine	0	0	0	20.9	17/1009	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
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	20/1009	5.5

Name & Designation

Field Operator: KK Wong (Competent Person)

Signature



Date

25/7/2023

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 A	26/7/2023	0830	Rain/Fine	0	0	0	20.9	19/1009	5.5
	✓	1330	Rain/Fine	0	0	0	20.9	20/1010	5.5
	✓	1700	Rain/Fine	0	0	0	20.9	17/1010	5.5
Area B	✓	0830	Rain/Fine	0	0	0	20.9	18/1010	5.5
	✓	1330	Rain/Fine	0	0	0	20.9	19/1009	5.5
	✓	1700	Rain/Fine	0	0	0	20.9	19/1009	5.5

Name & Designation

Field Operator: KK Wong (Competent Person)

Signature



Date 26-7-2023

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 A	27/7/2023	0830	Rain/Fine	0	0	0	20.9	18/1009	5.5
	✓	1330	Rain/Fine	0	0	0	20.9	20/1010	5.5
	✓	1700	Rain/Fine	0	0	0	20.9	17/1009	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	17/1010	5.5

Name & Designation

Signature

Date 27-7-2023

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

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

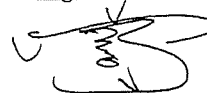
Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission						
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide (%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Area A	28/7/2023	0830	Rain/Fine	0	0	0	20.9	18/1009	5.5
	✓	1330	Rain/Fine	0	0	0	20.9	19/1009	5.5
	✓	1700	Rain/Fine	0	0	0	20.9	17/1010	5.5
Area B	✓	0830	Rain/Fine	0	0	0	20.9	19/1009	5.5
	✓	1330	Rain/Fine	0	0	0	20.9	20/1010	5.5
	✓	1700	Rain/Fine	0	0	0	20.9	18/1010	5.5

Name & Designation

Field Operator:

KK Wong (Competent Person)

Signature



Date 28-7-2023

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 A	31/7/2023	0830	Rain/Fine	0	0	0	20.9	19/1010	5.5
	✓	1330	Rain/Fine	0	0	0	20.9	20/1009	5.5
	✓	1700	Rain/Fine	0	0	0	20.9	18/1009	5.5
Area B	✓	0830	Rain/Fine	0	0	0	20.9	17/1010	5.5
	✓	1330	Rain/Fine	0	0	0	20.9	18/1009	5.5
	✓	1700	Rain/Fine	0	0	0	20.9	19/1010	5.5

Name & Designation

Signature

Date

31-7-2023

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						
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide (%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Area 137 Pit A	3 / 7 / 2023	0830	Rain /Fine	0	0	0	20.9	17 / 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	18 / 1009	8.6
	✓	1330	Rain /Fine	0	0	0	20.9	18 / 1010	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 / 1009	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

Signature

Date

3-7-2023

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						
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide (%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Area 137 Pit A	4/7/2023	0830	Rain/Fine	0	0	0	20.9	19/1009	8.4
	✓	1330	Rain/Fine	0	0	0	20.9	18/1010	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	18/1009	8.6
	✓	1330	Rain/Fine	0	0	0	20.9	20/1010	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	18/1009	10
	✓	1330	Rain/Fine	0	0	0	20.9	20/1010	10
	✓	1700	Rain/Fine	0	0	0	20.9	17/1010	10

Name & Designation

Field Operator: KK Wong (Competent Person)

Signature



Date

4-7-2023

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						
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide (%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Area 137 Pit A	5/7/2023	0830	Rain /Fine	0	0	0	20.9	18/1009	8.4
	✓	1330	Rain /Fine	0	0	0	20.9	17/1009	8.4
	✓	1700	Rain /Fine	0	0	0	20.9	19/1010	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	18/1010	8.6
	✓	1700	Rain /Fine	0	0	0	20.9	20/1009	8.6
Area 137 Pit C	✓	0830	Rain /Fine	0	0	0	20.9	17/1010	10
	✓	1330	Rain /Fine	0	0	0	20.9	18/1009	10
	✓	1700	Rain /Fine	0	0	0	20.9	19/1009	10

Name & Designation

Field Operator: KK Wong (Competent Person)

Signature



Date 5-7-2023

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:

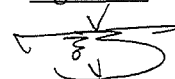
Sampling equipment used:	Dates calibrated
XT-XWHM-Y-OR	2/9/2022

Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission						
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide (%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Area 137 Pit A	6/7/2023	0830	Rain/Fine	0	0	0	20.9	17/1009	8.4
	✓	1330	Rain/Fine	0	0	0	20.9	18/1010	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	18/1010	8.6
	✓	1330	Rain/Fine	0	0	0	20.9	19/1009	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	18/1009	10
	✓	1330	Rain/Fine	0	0	0	20.9	19/1010	10
	✓	1700	Rain/Fine	0	0	0	20.9	20/1010	10

Name & Designation

Field Operator: KK Wong (Competent Person)

Signature



Date

6-7-2023

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						
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide (%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Area 137 Pit A	7/7/2023	0830	Rain /Fine	0	0	0	20.9	19/10/0	8.4
	✓	1330	Rain /Fine	0	0	0	20.9	20/1009	8.4
	✓	1700	Rain /Fine	0	0	0	20.9	17/10/0	8.4
Area 137 Pit B	✓	0830	Rain /Fine	0	0	0	20.9	18/10/0	8.6
	✓	1330	Rain /Fine	0	0	0	20.9	19/1009	8.6
	✓	1700	Rain /Fine	0	0	0	20.9	18/10/0	8.6
Area 137 Pit C	✓	0830	Rain /Fine	0	0	0	20.9	19/10/0	10
	✓	1330	Rain /Fine	0	0	0	20.9	18/1009	10
	✓	1700	Rain /Fine	0	0	0	20.9	17/10/0	10

Name & Designation

Signature

Date

7-7-2023

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						
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide (%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Area 137 Pit A	10 / 7 / 2023	0830	Rain / Fine	0	0	0	20.9	17 / 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	19 / 1009	8.6
	✓	1330	Rain / Fine	0	0	0	20.9	20 / 1010	8.6
	✓	1700	Rain / Fine	0	0	0	20.9	17 / 1010	8.6
Area 137 Pit C	✓	0830	Rain / Fine	0	0	0	20.9	18 / 1009	10
	✓	1330	Rain / Fine	0	0	0	20.9	20 / 1010	10
	✓	1700	Rain / Fine	0	0	0	20.9	19 / 1010	10

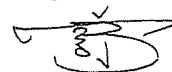
Name & Designation

Signature

Date

10-7-2023

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:

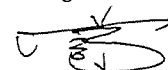
Sampling equipment used:	Dates calibrated
XT-XWHM-Y-OR	2/9/2022

Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission						
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide (%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Area 137 Pit A	11/7/2023	0830	Rain /Fine	0	0	0	20.9	17/10/0	8.4
	✓	1330	Rain /Fine	0	0	0	20.9	18/1009	8.4
	✓	1700	Rain /Fine	0	0	0	20.9	20/1009	8.4
Area 137 Pit B	✓	0830	Rain /Fine	0	0	0	20.9	18/10/0	8.6
	✓	1330	Rain /Fine	0	0	0	20.9	19/10/0	8.6
	✓	1700	Rain /Fine	0	0	0	20.9	19/10/0	8.6
Area 137 Pit C	✓	0830	Rain /Fine	0	0	0	20.9	18/1009	10
	✓	1330	Rain /Fine	0	0	0	20.9	19/10/0	10
	✓	1700	Rain /Fine	0	0	0	20.9	20/10/0	10

Name & Designation

Field Operator: KK Wong (Competent Person)

Signature



Date

11-7-2023

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						
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide (%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Area 137 Pit A	12/7 / 2023	0830	Rain/Fine	0	0	0	20.9	19 / 1010	8.4
	✓	1330	Rain/Fine	0	0	0	20.9	20 / 1010	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	19 / 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

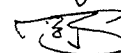
Signature

Date

12-7-2023

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						
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide (%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Area 137 Pit A	12/1/2023	0830	Rain/Fine	0	0	0	20.9	18 / 1009	8.4
	✓	1330	Rain/Fine	0	0	0	20.9	19 / 1009	8.4
	✓	1700	Rain/Fine	0	0	0	20.9	19 / 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 / 1010	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 / 1009	10
	✓	1330	Rain/Fine	0	0	0	20.9	19 / 1009	10
	✓	1700	Rain/Fine	0	0	0	20.9	18 / 1009	10

Name & Designation

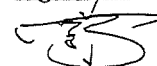
Signature

Date

13-7-2023

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						
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide (%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Area 137 Pit A	14/7/2023	0830	Rain/Fine	0	0	0	20.9	19/1010	8.4
	✓	1330	Rain/Fine	0	0	0	20.9	20/1010	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	18/1009	10
	✓	1330	Rain/Fine	0	0	0	20.9	20/1010	10
	✓	1700	Rain/Fine	0	0	0	20.9	19/1009	10

Name & Designation

Signature

Date

14-7-2023

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						
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide (%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Area 137 Pit A	18/7/2023	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	19/1009	8.6
	✓	1330	Rain/ Fine	0	0	0	20.9	18/1009	8.6
	✓	1700	Rain/ Fine	0	0	0	20.9	20/1010	8.6
Area 137 Pit C	✓	0830	Rain/ Fine	0	0	0	20.9	17/1009	10
	✓	1330	Rain/ Fine	0	0	0	20.9	18/1010	10
	✓	1700	Rain/ Fine	0	0	0	20.9	19/1009	10

Name & Designation

Signature

Date

18-7-2023

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						
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide (%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Area 137 Pit A	19/7/2023	0830	Rain /Fine	0	0	0	20.9	18/1009	8.4
	✓	1330	Rain /Fine	0	0	0	20.9	20/1010	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	19/1009	8.6
	✓	1330	Rain /Fine	0	0	0	20.9	18/1010	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	17/1009	10
	✓	1330	Rain /Fine	0	0	0	20.9	20/1009	10
	✓	1700	Rain /Fine	0	0	0	20.9	18/1009	10

Name & Designation

Field Operator: KK Wong (Competent Person)

Signature



Date 19-7-2023

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						
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide (%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Area 137 Pit A	20/7/2023	0830	Rain /Fine	0	0	0	20.9	17/1009	8.4
	✓	1330	Rain /Fine	0	0	0	20.9	18/1010	8.4
	✓	1700	Rain /Fine	0	0	0	20.9	20/1009	8.4
Area 137 Pit B	✓	0830	Rain /Fine	0	0	0	20.9	18/1009	8.6
	✓	1330	Rain /Fine	0	0	0	20.9	20/1010	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	19/1009	10
	✓	1700	Rain /Fine	0	0	0	20.9	20/1009	10

Name & Designation

Signature

Date 20-7-2023

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						
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide (%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Area 137 Pit A	21/7/2023	0830	Rain /Fine	0	0	0	20.9	18/10/0	8.4
	✓	1330	Rain /Fine	0	0	0	20.9	17/1009	8.4
	✓	1700	Rain /Fine	0	0	0	20.9	19/1009	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	18/10/0	8.6
	✓	1700	Rain /Fine	0	0	0	20.9	20/1009	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	18/10/0	10
	✓	1700	Rain /Fine	0	0	0	20.9	17/10/0	10

Name & Designation

Field Operator: KK Wong (Competent Person)

Signature



Date 21-7-2023

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

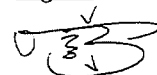
Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission						
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide (%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Area 137 Pit A	24/7/2023	0830	Rain/Fine	0	0	0	20.9	17/1009	8.4
	✓	1330	Rain/Fine	0	0	0	20.9	18/1010	8.4
	✓	1700	Rain/Fine	0	0	0	20.9	20/1009	8.4
Area 137 Pit B	✓	0830	Rain/Fine	0	0	0	20.9	19/1009	8.6
	✓	1330	Rain/Fine	0	0	0	20.9	17/1010	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	18/1010	10
	✓	1330	Rain/Fine	0	0	0	20.9	17/1009	10
	✓	1700	Rain/Fine	0	0	0	20.9	19/1009	10

Name & Designation

Signature

Date 24-7-2023

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						
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide (%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Area 137 Pit A	25/7/2023	0830	Rain /Fine	0	0	0	20.9	19/1010	8.4
	✓	1330	Rain /Fine	0	0	0	20.9	20/1010	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	18/1009	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	20/1009	10
	✓	1700	Rain /Fine	0	0	0	20.9	18/1009	10

Name & Designation

Field Operator: KK Wong (Competent Person)

Signature



Date

25-7-2023

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						
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide (%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Area 137 Pit A	26/7/2023	0830	Rain /Fine	0	0	0	20.9	18/1009	8.4
	✓	1330	Rain /Fine	0	0	0	20.9	17/1009	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	18/1010	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	17/1009	10
	✓	1330	Rain /Fine	0	0	0	20.9	20/1009	10
	✓	1700	Rain /Fine	0	0	0	20.9	18/1010	10

Name & Designation

Signature

Date

26-7-2023

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:

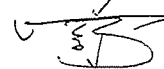
Sampling equipment used:	Dates calibrated
XT-XWHM-Y-OR	2/9/2022

Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission						
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide (%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Area 137 Pit A	27/7/2023	0830	Rain /Fine	0	0	0	20.9	18/1010	8.4
	✓	1330	Rain /Fine	0	0	0	20.9	20/1009	8.4
	✓	1700	Rain /Fine	0	0	0	20.9	19/1009	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	14/1010	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	17/1009	10
	✓	1330	Rain /Fine	0	0	0	20.9	19/1009	10
	✓	1700	Rain /Fine	0	0	0	20.9	18/1010	10

Name & Designation

Field Operator: KK Wong (Competent Person)

Signature



Date 27-7-2023

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						
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide (%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Area 137 Pit A	28/7/2023	0830	Rain/Fine	0	0	0	20.9	17 / 1010	8.4
	✓	1330	Rain/Fine	0	0	0	20.9	19 / 1009	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	18 / 1010	8.6
	✓	1330	Rain/Fine	0	0	0	20.9	17 / 1009	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 / 1009	10
	✓	1330	Rain/Fine	0	0	0	20.9	20 / 1009	10
	✓	1700	Rain/Fine	0	0	0	20.9	19 / 1010	10

Name & Designation

Signature

Date 28-7-2023

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						
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide (%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Area 137 Pit A	31/7/2023	0830	Rain /Fine	0	0	0	20.9	17/1010	8.4
	✓	1330	Rain /Fine	0	0	0	20.9	18/1009	8.4
	✓	1700	Rain /Fine	0	0	0	20.9	20/1009	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	20/1009	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	17/1010	10
	✓	1700	Rain /Fine	0	0	0	20.9	19/1009	10

Name & Designation

Signature

Date 31-7-2023

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

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	3/7/2023	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
WPRTTA 5	✓	0830	Rain/Fine	0	0	0	20.9	17 / 1009	3.6
	✓	1330	Rain/Fine	0	0	0	20.9	18 / 1009	3.6
	✓	1700	Rain/Fine	0	0	0	20.9	19 / 1009	3.6

Name & Designation

Signature

Date 3/7/2023

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

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	4/7/2023	0830	Rain/Fine	0	0	0	20.9	17/10/0	3.7
	✓	1330	Rain/Fine	0	0	0	20.9	19/1009	3.7
	✓	1700	Rain/Fine	0	0	0	20.9	20/1009	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	20/10/0	3.6
	✓	1700	Rain/Fine	0	0	0	20.9	19/1009	3.6

Name & Designation

Signature

Date 4-7-2023

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

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	5/7/2023	0830	Rain/Fine	0	0	0	20.9	19/1009	3.7
	✓	1330	Rain/Fine	0	0	0	20.9	18/1010	3.7
	✓	1700	Rain/Fine	0	0	0	20.9	20/1010	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

Name & Designation

Signature

Date

5-7-2023

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

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	6 / 7 / 2023	0830	Rain/Fine	0	0	0	20.9	20 / 1010	3.7
	✓	1330	Rain/Fine	0	0	0	20.9	18 / 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	19 / 1010	3.6
	✓	1330	Rain/Fine	0	0	0	20.9	17 / 1010	3.6
	✓	1700	Rain/Fine	0	0	0	20.9	20 / 1009	3.6

Name & Designation

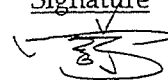
Signature

Date

6-7-2023

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

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	7/7/2023	0830	Rain/Fine	0	0	0	20.9	18/10/0	3.7
	✓	1330	Rain/Fine	0	0	0	20.9	19/10/0	3.7
	✓	1700	Rain/Fine	0	0	0	20.9	20/10/0	3.7
WPRTTA 5	✓	0830	Rain/Fine	0	0	0	20.9	19/10/0	3.6
	✓	1330	Rain/Fine	0	0	0	20.9	17/10/0	3.6
	✓	1700	Rain/Fine	0	0	0	20.9	18/10/0	3.6

Name & Designation

Signature

Date

7-7-2023

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

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	10/7/2023	0830	Rain/Fine	0	0	0	20.9	17/1009	3.7
	✓	1330	Rain/Fine	0	0	0	20.9	18/1010	3.7
	✓	1700	Rain/Fine	0	0	0	20.9	19/1010	3.7
WPRTTA 5	✓	0830	Rain/Fine	0	0	0	20.9	18/1009	3.6
	✓	1330	Rain/Fine	0	0	0	20.9	19/1009	3.6
	✓	1700	Rain/Fine	0	0	0	20.9	17/1010	3.6

Name & Designation

Signature

Date 10-7-2023

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

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	11/7/2023	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
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	17/1010	3.6

Name & Designation

Field Operator:

KK Wong (Competent Person)

Signature



Date

11/7/2023

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	12/7/2023	0830	Rain/Fine	0	0	0	20.9	19/10/0	3.7
	✓	1330	Rain/Fine	0	0	0	20.9	20/1009	3.7
	✓	1700	Rain/Fine	0	0	0	20.9	18/1009	3.7
WPRTTA 5	✓	0830	Rain/Fine	0	0	0	20.9	19/1009	3.6
	✓	1330	Rain/Fine	0	0	0	20.9	18/10/0	3.6
	✓	1700	Rain/Fine	0	0	0	20.9	17/10/0	3.6

Name & Designation

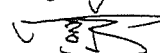
Signature

Date

12/7/2023

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

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	13/7/2023	0830	Rain/Fine	0	0	0	20.9	20/10/0	3.7
	✓	1330	Rain/Fine	0	0	0	20.9	19/1009	3.7
	✓	1700	Rain/Fine	0	0	0	20.9	17/1009	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	20/10/0	3.6
	✓	1700	Rain/Fine	0	0	0	20.9	19/1009	3.6

Name & Designation


Signature

Date

13-7-2023

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

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	14/7/2023	0830	Rain/Fine	0	0	0	20.9	17/1009	3.7
	✓	1330	Rain/Fine	0	0	0	20.9	19/1010	3.7
	✓	1700	Rain/Fine	0	0	0	20.9	20/1010	3.7
WPRTTA 5	✓	0830	Rain/Fine	0	0	0	20.9	18/1009	3.6
	✓	1330	Rain/Fine	0	0	0	20.9	20/1009	3.6
	✓	1700	Rain/Fine	0	0	0	20.9	19/1010	3.6

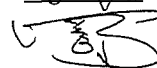
Name & Designation

Signature

Date 14-7-2023

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

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	18/7/2023	0830	Rain/Fine	0	0	0	20.9	18/10/0	3.7
	✓	1330	Rain/Fine	0	0	0	20.9	17/1009	3.7
	✓	1700	Rain/Fine	0	0	0	20.9	20/1009	3.7
WPRTTA 5	✓	0830	Rain/Fine	0	0	0	20.9	19/1009	3.6
	✓	1330	Rain/Fine	0	0	0	20.9	18/10/0	3.6
	✓	1700	Rain/Fine	0	0	0	20.9	19/10/0	3.6

Name & Designation

Field Operator:

KK Wong (Competent Person)

Signature



Date 18-7-2023

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	19/7/2023	0830	Rain /Fine	0	0	0	20.9	19/1009	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	19/1009	3.6
	✓	1330	Rain /Fine	0	0	0	20.9	18/1010	3.6
	✓	1700	Rain /Fine	0	0	0	20.9	20/1010	3.6

Name & Designation

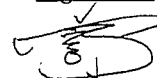
Signature

Date

19-7-2023

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

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	20/7/2023	0830	Rain /Fine	0	0	0	20.9	17/1100	3.7
	✓	1330	Rain /Fine	0	0	0	20.9	19/1009	3.7
	✓	1700	Rain /Fine	0	0	0	20.9	20/1009	3.7
WPRTTA 5	✓	0830	Rain /Fine	0	0	0	20.9	18/11010	3.6
	✓	1330	Rain /Fine	0	0	0	20.9	19/11010	3.6
	✓	1700	Rain /Fine	0	0	0	20.9	18/11009	3.6

Name & Designation

Field Operator:

KK Wong (Competent Person)

Signature



Date 20-7-2023

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	21/7/2023	0830	Rain/Fine	0	0	0	20.9	19/1010	3.7
	✓	1330	Rain/Fine	0	0	0	20.9	18/1009	3.7
	✓	1700	Rain/Fine	0	0	0	20.9	17/1009	3.7
WPRTTA 5	✓	0830	Rain/Fine	0	0	0	20.9	20/1010	3.6
	✓	1330	Rain/Fine	0	0	0	20.9	17/1009	3.6
	✓	1700	Rain/Fine	0	0	0	20.9	19/1009	3.6

Name & Designation

Field Operator:

KK Wong (Competent Person)

Signature



Date 21-7-2023

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	24/7/2023	0830	Rain/Fine	0	0	0	20.9	19/1009	3.7
	✓	1330	Rain/Fine	0	0	0	20.9	18/1009	3.7
	✓	1700	Rain/Fine	0	0	0	20.9	20/1010	3.7
WPRTTA 5	✓	0830	Rain/Fine	0	0	0	20.9	20/1010	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

Name & Designation

Signature

Date 24-7-2023

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

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	25/7/2023	0830	Rain/Fine	0	0	0	20.9	19/1010	3.7
	✓	1330	Rain/Fine	0	0	0	20.9	20/1009	3.7
	✓	1700	Rain/Fine	0	0	0	20.9	18/1009	3.7
WPRTTA 5	✓	0830	Rain/Fine	0	0	0	20.9	20/1010	3.6
	✓	1330	Rain/Fine	0	0	0	20.9	19/1009	3.6
	✓	1700	Rain/Fine	0	0	0	20.9	17/1009	3.6

Name & Designation

Signature

Date 25/7/2023

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

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	26/7/2023	0830	Rain/Fine	0	0	0	20.9	18/10/0	3.7
	✓	1330	Rain/Fine	0	0	0	20.9	20/10/0	3.7
	✓	1700	Rain/Fine	0	0	0	20.9	19/10/0	3.7
WPRTTA 5	✓	0830	Rain/Fine	0	0	0	20.9	17/10/0	3.6
	✓	1330	Rain/Fine	0	0	0	20.9	19/10/0	3.6
	✓	1700	Rain/Fine	0	0	0	20.9	18/10/0	3.6

Name & Designation

Signature

Date

26-7-2023

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

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	27/7/2023	0830	Rain/Fine	0	0	0	20.9	17/10/0	3.7
	y	1330	Rain/Fine	0	0	0	20.9	18/1009	3.7
	y	1700	Rain/Fine	0	0	0	20.9	20/1009	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	18/10/0	3.6
	y	1700	Rain/Fine	0	0	0	20.9	17/1009	3.6

Name & Designation

Signature

Date

27-7-2023

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

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	28/7/2023	0830	Rain/Fine	0	0	0	20.9	18/10/0	3.7
	✓	1330	Rain/Fine	0	0	0	20.9	19/1009	3.7
	✓	1700	Rain/Fine	0	0	0	20.9	20/10/0	3.7
WPRTTA 5	✓	0830	Rain/Fine	0	0	0	20.9	19/10/0	3.6
	✓	1330	Rain/Fine	0	0	0	20.9	20/1009	3.6
	✓	1700	Rain/Fine	0	0	0	20.9	18/1009	3.6

Name & Designation

Signature

Date

28/7/2023

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

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	31/7/2023	0830	Rain/Fine	0	0	0	20.9	19/10/0	3.7
	✓	1330	Rain/Fine	0	0	0	20.9	18/1009	3.7
	✓	1700	Rain/Fine	0	0	0	20.9	20/1009	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	20/10/0	3.6
	✓	1700	Rain/Fine	0	0	0	20.9	19/1009	3.6

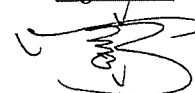
Name & Designation

Signature

Date 31-7-2023

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
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
P4M - 2500 (QRAE111)	28-7-2022
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)
Pit A	11/7/2023	08:30	Fine / Rainy	0	0	0	20.9	29 / 999	9
		13:30	Fine / Rainy	0	0	0	20.9	30 / 999	9
		16:30	Fine / Rainy	0	0	0	20.9	30 / 999	9
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Field Operator: Name & Designation Wong Wai Sing Signature Peter Date 11/7/2023

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 (QRAE111)	28-7-2022
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)
Pit A	12/7/2023	08:30	Fine / Rainy	0	0	0	20.9	30 / 999	9
		13:30	Fine / Rainy	0	0	0	20.9	30 / 999	9
		16:30	Fine / Rainy	0	0	0	20.9	30 / 999	9
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Field Operator: Name & Designation Wong Wai Sing Signature Peter Date 12/7/2023

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
P4M - 2500 (GRAE111)	28-7-2022
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)
Pit A	13/7/2023	08:30	Fine / rainy	0	0	0	20.9	30 / 999	9
		13:30	Fine / rainy	0	0	0	20.9	30 / 999	9
		16:30	Fine / rainy	0	0	0	20.9	30 / 999	9
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Field Operator: Name & Designation Signature Date
Wong Wai Sing Peter 13/7/2023
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 (GRAEILL)	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	24/7/2023	08:30	Fine / Rainy	0	0	0	20.9	28 / 999	9
		13:30	Fine / Rainy	0	0	0	20.9	29 / 999	9
		16:30	Fine / Rainy	0	0	0	20.9	29 / 999	9
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Field Operator: Name & Designation Signature Date
Wong Wai Sing Peter 24/7/2023
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 (QRAE111)	28-7-2022
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)
Pit A	23/7/23	08:30	Fine / Rainy	0	0	0	20.9	29 / 999	9
		13:30	Fine / Rainy	0	0	0	20.9	30 / 999	9
		16:30	Fine / Rainy	0	0	0	20.9	30 / 999	9
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Field Operator: Name & Designation Wong Wai Sing Signature Peter Date 23/7/2023

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 (GRAE111)	28-7-2022
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)
Pit A	24/7/2023	08:30	Fine / Rainy	0	0	0	20.9	28 / 999	9
		13:30	Fine / Rainy	0	0	0	20.9	30 / 999	9
		16:30	Fine / Rainy	0	0	0	20.9	30 / 999	9
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Field Operator: Name & Designation Wong Wai Sing Signature Peter Date 24/7/2023

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 (GRAEIII)	28-7-2022
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)
Pit A	25/7/2023	08:30	Fine / Rainy	0	0	0	20.9	30 / 999	9
		13:30	Fine / Rainy	0	0	0	20.9	30 / 999	9
		16:30	Fine / Rainy	0	0	0	20.9	30 / 999	9
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Field Operator: Name & Designation Signature Date
Wong Wai Sing Peter 25/7/2023
Laboratory Staff:
Checked by:

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
1307 H	17-11-2022

[illegible]Name & Designation

Signature

Date

Field Operator:

Wong Wai Sing

Peter

28/7/2023

Laboratory Staff:

Checked by:

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

Sampling equipment used:	Dates calibrated
PGM - 2500 (GRAE 111)	28-7-2023
1307 H	17-11-2022

[illegible]

	<u>Name & Designation</u>	<u>Signature</u>	<u>Date</u>
Field Operator:	Wong Wai Sing	Peter	29/7/2023
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 (QRAE111)	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	31/7/2023	08:30	Fine / Rainy	0	0	0	20.9	28 / 999	9
		13:30	Fine / Rainy	0	0	0	20.9	32 / 999	9
		16:30	Fine / Rainy	0	0	0	20.9	30 / 999	9
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Field Operator: Name & Designation Wong Wal Sing Signature Peter Date 31/7/2023

Laboratory Staff:

Checked by: