

Appendix J

Landfill Gas Monitoring Data

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 monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Area 137 Pit A	1/3/2023	0830	Rain/Fine	0	0	0	20.9	19 / 1010	8.4
	✓	1330	Rain/Fine	0	0	0	20.9	18 / 1009	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 / 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	19 / 1010	10
	✓	1330	Rain/Fine	0	0	0	20.9	17 / 1010	10
	✓	1700	Rain/Fine	0	0	0	20.9	18 / 1010	10

Name & Designation

Signature

8

Date

1/3/2023

Field Operator: Jock Lee (Competent Person [CO-310218])

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 monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Area 137 Pit A	2 / 3 / 2023	0830	Rain/Fine	0	0	0	20.9	19 / 1010	8.4
	✓	1330	Rain/Fine	0	0	0	20.9	18 / 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	20 / 1010	8.6
	✓	1330	Rain/Fine	0	0	0	20.9	18 / 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	17 / 1009	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

Signature

Y

Date

2/3/2023

Field Operator: Jock Lee (Competent Person [CO-310218])

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 monoxide (%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Area 137 Pit A	3 / 3 / 2023	0830	Rain/Fine	0	0	0	20.9	17 / 1010	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	19 / 1009	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	19 / 1010	10
	✓	1330	Rain/Fine	0	0	0	20.9	18 / 1009	10
	✓	1700	Rain/Fine	0	0	0	20.9	20 / 1010	10

Name & Designation

Signature

8

Date

3/3/2023

Field Operator: Jock Lee (Competent Person [CO-310218])

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 monoxide (%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Area 137 Pit A	6/3/2023	0830	Rain /Fine	0	0	0	20.9	17/11009	8.4
	✓	1330	Rain /Fine	0	0	0	20.9	19/11009	8.4
	✓	1700	Rain /Fine	0	0	0	20.9	18/11010	8.4
Area 137 Pit B	✓	0830	Rain /Fine	0	0	0	20.9	20/11010	8.6
	✓	1330	Rain /Fine	0	0	0	20.9	19/11009	8.6
	✓	1700	Rain /Fine	0	0	0	20.9	17/11009	8.6
Area 137 Pit C	✓	0830	Rain /Fine	0	0	0	20.9	18/11010	10
	✓	1330	Rain /Fine	0	0	0	20.9	20/11010	10
	✓	1700	Rain /Fine	0	0	0	20.9	19/11009	10

Name & Designation

Signature

Date

6/3/2023

Field Operator: Jock Lee (Competent Person [CO-310218])

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 monoxide (%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Area 137 Pit A	7/3/2023	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	20/10/0	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	20/1009	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	19/10/0	10
	✓	1330	Rain/Fine	0	0	0	20.9	17/1009	10
	✓	1700	Rain/Fine	0	0	0	20.9	18/10/0	10

Name & Designation

Signature

J

Date

7/3/2023

Field Operator: Jock Lee (Competent Person [CO-310218])

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 monoxide (%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Area 137 Pit A	8/3/2023	0830	Rain/Fine	0	0	0	20.9	19 / 1010	8.4
	✓	1330	Rain/Fine	0	0	0	20.9	18 / 1009	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 / 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 / 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

Signature

✓

Date

8/3/2023

Field Operator: Jock Lee (Competent Person [CO-310218])

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 monoxide (%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Area 137 Pit A	9 / 3 / 2023	0830	Rain/Fine	0	0	0	20.9	19 / 1010	8.4
	✓	1330	Rain/Fine	0	0	0	20.9	17 / 1009	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	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	17 / 1010	10
	✓	1700	Rain/Fine	0	0	0	20.9	20 / 1010	10

Name & Designation

Signature

✓

Date

9 / 3 / 2023

Field Operator: Jock Lee (Competent Person [CO-310218])

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 monoxide (%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Area 137 Pit A	10/3/2023	0830	Rain/Fine	0	0	0	20.9	19 / 1010	8.4
	✓	1330	Rain/Fine	0	0	0	20.9	18 / 1009	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 / 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	19 / 1010	10
	✓	1330	Rain/Fine	0	0	0	20.9	20 / 1009	10
	✓	1700	Rain/Fine	0	0	0	20.9	17 / 1009	10

Name & Designation

Signature

✓

Date 10/3/2023

Field Operator: Jock Lee (Competent Person [CO-310218])

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 monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Area 137 Pit A	13/3/2023	0830	Rain/Fine	0	0	0	20.9	19 / 1006	8.4
	√	1330	Rain/Fine	0	0	0	20.9	18 / 1009	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	18 / 1006	8.6
	√	1330	Rain/Fine	0	0	0	20.9	20 / 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	19 / 1009	10
	√	1330	Rain/Fine	0	0	0	20.9	17 / 1004	10
	√	1700	Rain/Fine	0	0	0	20.9	18 / 1006	10

Name & Designation

Signature

Date

13/3/2023

Field Operator: Jock Lee (Competent Person [CO-310218])

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 monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Area 137 Pit A	14 / 3 / 2023	0830	Rain/Fine	0	0	0	20.9	19 / 10/0	8.4
	✓	1330	Rain/Fine	0	0	0	20.9	18 / 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	20 / 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	17 / 1009	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	20 / 10/0	10
	✓	1700	Rain/Fine	0	0	0	20.9	20 / 1009	10

Name & Designation

Signature

✓

Date

14/3/2023

Field Operator: Jock Lee (Competent Person [CO-310218])

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 monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Area 137 Pit A	15/3/2023	0830	Rain/Fine	0	0	0	20.9	17 / 10/0	8.4
	✓	1330	Rain/Fine	0	0	0	20.9	18 / 10/0	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	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 / 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	20 / 10/0	10
	✓	1700	Rain/Fine	0	0	0	20.9	18 / 10/0	10

Name & Designation

Signature

Y

Date 15/3/2023

Field Operator: Jock Lee (Competent Person [CO-310218])

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 monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Area 137 Pit A	16/3/2023	0830	Rain/Fine	0	0	0	20.9	18 / 1010	8.4
	✓	1330	Rain/Fine	0	0	0	20.9	19 / 1009	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	20 / 1010	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 / 1010	10
	✓	1700	Rain/Fine	0	0	0	20.9	19 / 1010	10

Name & Designation

Signature

Date

16/3/2023

Field Operator: Jock Lee (Competent Person [CO-310218])

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 monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Area 137 Pit A	17/3/2023	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	17/10/0	8.4
Area 137 Pit B	✓	0830	Rain/Fine	0	0	0	20.9	20/10/0	8.6
	✓	1330	Rain/Fine	0	0	0	20.9	19/1009	8.6
	✓	1700	Rain/Fine	0	0	0	20.9	17/10/0	8.6
Area 137 Pit C	✓	0830	Rain/Fine	0	0	0	20.9	18/10/0	10
	✓	1330	Rain/Fine	0	0	0	20.9	19/10/0	10
	✓	1700	Rain/Fine	0	0	0	20.9	20/1009	10

Name & Designation

Signature

Date

17/3/2023

Field Operator: Jock Lee (Competent Person [CO-310218])

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 monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Area 137 Pit A	20/3 / 2023	0830	Rain/Fine	0	0	0	20.9	17 / 1009	8.4
	✓	1330	Rain/Fine	0	0	0	20.9	18 / 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	17 / 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	20 / 1010	10
	✓	1330	Rain/Fine	0	0	0	20.9	18 / 1009	10
	✓	1700	Rain/Fine	0	0	0	20.9	19 / 1010	10

Name & Designation

Signature

✓

Date

20/3/2023

Field Operator: Jock Lee (Competent Person [CO-310218])

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 monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Area 137 Pit A	21/3 / 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	19 / 1009	8.6
	✓	1330	Rain/Fine	0	0	0	20.9	17 / 1009	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 / 1009	10

Name & Designation

Signature

Date

21/3/2023

Field Operator:

Jock Lee (Competent Person [CO-310218])

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 monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Area 137 Pit A	22 / 3 / 2023	0830	Rain/Fine	0	0	0	20.9	17 / 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	18 / 10/0	8.4
Area 137 Pit B	✓	0830	Rain/Fine	0	0	0	20.9	20 / 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	17 / 10/0	8.6
Area 137 Pit C	✓	0830	Rain/Fine	0	0	0	20.9	18 / 10/0	10
	✓	1330	Rain/Fine	0	0	0	20.9	20 / 10/0	10
	✓	1700	Rain/Fine	0	0	0	20.9	19 / 10/0	10

Name & Designation

Signature

8

Date

22/3/2023

Field Operator: Jock Lee (Competent Person [CO-310218])

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 monoxide (%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Area 137 Pit A	23/3 / 2023	0830	Rain/Fine	0	0	0	20.9	17 / 10/0	8.4
	✓	1330	Rain/Fine	0	0	0	20.9	18 / 10/0	8.4
	✓	1700	Rain/Fine	0	0	0	20.9	20 / 10/0	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	17 / 10/0	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	21 / 10/0	10
	✓	1330	Rain/Fine	0	0	0	20.9	17 / 10/0	10
	✓	1700	Rain/Fine	0	0	0	20.9	19 / 10/0	10

Name & Designation

Signature

✓

Date 23/3/2023

Field Operator: Jock Lee (Competent Person [CO-310218])

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 monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Area 137 Pit A	24/3/2023	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 / 1009	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	19 / 1009	10
	√	1330	Rain/Fine	0	0	0	20.9	18 / 1010	10
	√	1700	Rain/Fine	0	0	0	20.9	17 / 1010	10

Name & Designation

Signature

Date

24/3/2023

Field Operator: Jock Lee (Competent Person [CO-310218])

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 monoxide (%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Area 137 Pit A	27/3/2023	0830	Rain/Fine	0	0	0	20.9	17/1009	8.4
	✓	1330	Rain/Fine	0	0	0	20.9	19/1009	8.4
	✓	1700	Rain/Fine	0	0	0	20.9	18/10/0	8.4
Area 137 Pit B	✓	0830	Rain/Fine	0	0	0	20.9	20/10/0	8.6
	✓	1330	Rain/Fine	0	0	0	20.9	19/10/0	8.6
	✓	1700	Rain/Fine	0	0	0	20.9	17/10/0	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	20/1009	10

Name & Designation

Signature

8

Date 27/3/2023

Field Operator: Jock Lee (Competent Person [CO-310218])

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 monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Area 137 Pit A	28/3/2023	0830	Rain/Fine	0	0	0	20.9	19/10/0	8.4
	✓	1330	Rain/Fine	0	0	0	20.9	20/10/0	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	17/1009	8.6
	✓	1330	Rain/Fine	0	0	0	20.9	19/10/0	8.6
	✓	1700	Rain/Fine	0	0	0	20.9	20/10/0	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	17/1009	10
	✓	1700	Rain/Fine	0	0	0	20.9	19/10/0	10

Name & Designation

Signature

Date

28/3/2023

Field Operator: Jock Lee (Competent Person [CO-310218])

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 monoxide (%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Area 137 Pit A	29/3/2023	0830	Rain/Fine	0	0	0	20.9	19 / 1009	8.4
	✓	1330	Rain/Fine	0	0	0	20.9	18 / 1000	8.4
	✓	1700	Rain/Fine	0	0	0	20.9	17 / 1000	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	19 / 1000	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	20 / 1000	10
	✓	1700	Rain/Fine	0	0	0	20.9	17 / 1000	10

Name & Designation

Signature

Date

19/3/2023

Field Operator: Jock Lee (Competent Person [CO-310218])

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 monoxide (%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Area 137 Pit A	30/3/2023	0830	Rain/Fine	0	0	0	20.9	20/10/0	8.4
	✓	1330	Rain/Fine	0	0	0	20.9	18/1009	8.4
	✓	1700	Rain/Fine	0	0	0	20.9	19/10/0	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	17/1004	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	20/10/0	10
	✓	1330	Rain/Fine	0	0	0	20.9	18/1009	10
	✓	1700	Rain/Fine	0	0	0	20.9	17/1009	10

Name & Designation

Signature

✓

Date 30/3/2023

Field Operator: Jock Lee (Competent Person [CO-310218])

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 monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Area 137 Pit A	3/13/2023	0830	Rain/Fine	0	0	0	20.9	19 / 10/0	8.4
	✓	1330	Rain/Fine	0	0	0	20.9	20 / 100/9	8.4
	✓	1700	Rain/Fine	0	0	0	20.9	18 / 10/0	8.4
Area 137 Pit B	✓	0830	Rain/Fine	0	0	0	20.9	18 / 100/9	8.6
	✓	1330	Rain/Fine	0	0	0	20.9	20 / 10/0	8.6
	✓	1700	Rain/Fine	0	0	0	20.9	17 / 10/0	8.6
Area 137 Pit C	✓	0830	Rain/Fine	0	0	0	20.9	19 / 100/9	10
	✓	1330	Rain/Fine	0	0	0	20.9	18 / 100/9	10
	✓	1700	Rain/Fine	0	0	0	20.9	20 / 10/0	10

Name & Designation

Signature

Date

31/3/2023

Field Operator: Jock Lee (Competent Person [CO-310218])

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 monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Area A	1 / 3 / 2023	0830	Rain/Fine	0	0	0	20.9	17 / 1010	5.5
	✓	1330	Rain/Fine	0	0	0	20.9	19 / 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	19 / 1009	5.5
	✓	1700	Rain/Fine	0	0	0	20.9	17 / 1009	5.5

Name & Designation

Signature

Y

Date

1 / 3 / 2023

Field Operator: Jock Lee (Competent Person [CO-310218])

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 monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Area A	2 / 3 / 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	17 / 1010	5.5
	✓	1700	Rain/Fine	0	0	0	20.9	19 / 1010	5.5

Name & Designation

Signature

✓

Date

2/3/2023

Field Operator: Jock Lee (Competent Person [CO-310218])

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 monoxide (%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Area A	3 / 3 / 2023	0830	Rain/Fine	0	0	0	20.9	19 / 1009	5.5
	✓	1330	Rain/Fine	0	0	0	20.9	17 / 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	20 / 1010	5.5
	✓	1330	Rain/Fine	0	0	0	20.9	19 / 1010	5.5
	✓	1700	Rain/Fine	0	0	0	20.9	17 / 1009	5.5

Name & Designation

Signature

8

Date

3/3/2023

Field Operator: Jock Lee (Competent Person [CO-310218])

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 monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Area A	6 / 3 / 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	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 / 1009	5.5
	✓	1700	Rain/Fine	0	0	0	20.9	17 / 1010	5.5

Name & Designation

Signature

Date

Field Operator: Jock Lee (Competent Person [CO-310218])

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 monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Area A	7 / 3 /2023	0830	Rain/Fine	0	0	0	20.9	18 / 1009	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	20 / 1010	5.5
	✓	1330	Rain/Fine	0	0	0	20.9	18 / 1010	5.5
	✓	1700	Rain/Fine	0	0	0	20.9	19 / 1009	5.5

Name & Designation

Signature

8

Date

7/3/2023

Field Operator: Jock Lee (Competent Person [CO-310218])

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 monoxide (%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Area A	8/3/2023	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	17/1009	5.5
	✓	1700	Rain/Fine	0	0	0	20.9	20/1010	5.5

Name & Designation

Signature

8

Date

8/3/2023

Field Operator: Jock Lee (Competent Person [CO-310218])

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 monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Area A	9/3/2023	0830	Rain/Fine	0	0	0	20.9	19/10/0	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	20/10/0	5.5
	✓	1330	Rain/Fine	0	0	0	20.9	19/10/0	5.5
	✓	1700	Rain/Fine	0	0	0	20.9	17/10/0	5.5

Name & Designation

Signature

✓

Date

9/3/2023

Field Operator: Jock Lee (Competent Person [CO-310218])

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 monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Area A	10/3/2023	0830	Rain/Fine	0	0	0	20.9	17 11009	5.5
	✓	1330	Rain/Fine	0	0	0	20.9	19 11010	5.5
	✓	1700	Rain/Fine	0	0	0	20.9	18 11009	5.5
Area B	✓	0830	Rain/Fine	0	0	0	20.9	20 11009	5.5
	✓	1330	Rain/Fine	0	0	0	20.9	19 11010	5.5
	✓	1700	Rain/Fine	0	0	0	20.9	17 11009	5.5

Name & Designation

Signature

8

Date

10/3/2023

Field Operator: Jock Lee (Competent Person [CO-310218])

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 monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Area A	13/3/2023	0830	Rain/Fine	0	0	0	20.9	19 / 1009	5.5
	✓	1330	Rain/Fine	0	0	0	20.9	20 / 1000	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	19 / 1010	5.5
	✓	1700	Rain/Fine	0	0	0	20.9	20 / 1010	5.5

Name & Designation

Signature

Date

13/3/2023

Field Operator: Jock Lee (Competent Person [CO-310218])

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 monoxide (%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Area A	14 / 3 / 2023	0830	Rain/Fine	0	0	0	20.9	18 / 10 / 0	5.5
	✓	1330	Rain/Fine	0	0	0	20.9	17 / 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	19 / 10 / 0	5.5
	✓	1330	Rain/Fine	0	0	0	20.9	17 / 10 / 0	5.5
	✓	1700	Rain/Fine	0	0	0	20.9	20 / 10 / 0	5.5

Name & Designation

Signature

✓

Date

14 / 3 / 2023

Field Operator: Jock Lee (Competent Person [CO-310218])

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 monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Area A	15/3 / 2023	0830	Rain/Fine	0	0	0	20.9	17 / 1010	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
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	19 / 1010	5.5

Name & Designation

Signature

8

Date

15/3/2023

Field Operator: Jock Lee (Competent Person [CO-310218])

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 monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Area A	16/3 / 2023	0830	Rain/Fine	0	0	0	20.9	17 11009	5.5
	✓	1330	Rain/Fine	0	0	0	20.9	18 11010	5.5
	✓	1700	Rain/Fine	0	0	0	20.9	20 11010	5.5
Area B	✓	0830	Rain/Fine	0	0	0	20.9	19 11009	5.5
	✓	1330	Rain/Fine	0	0	0	20.9	17 11010	5.5
	✓	1700	Rain/Fine	0	0	0	20.9	18 11009	5.5

Name & Designation

Signature

✓

Date

16/3/2023

Field Operator: Jock Lee (Competent Person [CO-310218])

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 monoxide (%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Area A	17/3/2023	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	17 / 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

Signature

8

Date 17/3/2023

Field Operator: Jock Lee (Competent Person [CO-310218])

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 monoxide (%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Area A	20/3/2023	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	17/10/0	5.5
Area B	✓	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

Name & Designation

Signature

Date

20/3/2023

Field Operator: Jock Lee (Competent Person [CO-310218])

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 monoxide (%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Area A	21/3/2023	0830	Rain/Fine	0	0	0	20.9	18 1/0/0	5.5
	1/	1330	Rain/Fine	0	0	0	20.9	19 1/0/0	5.5
	Y	1700	Rain/Fine	0	0	0	20.9	17 1/0/0	5.5
Area B	Y	0830	Rain/Fine	0	0	0	20.9	18 1/0/0	5.5
	Y	1330	Rain/Fine	0	0	0	20.9	20 1/0/0	5.5
	Y	1700	Rain/Fine	0	0	0	20.9	19 1/0/0	5.5

Name & Designation

Signature

Y

Date

21/3/2023

Field Operator: Jock Lee (Competent Person [CO-310218])

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 monoxide (%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Area A	22/3/2023	0830	Rain/Fine	0	0	0	20.9	17 1/10/0	5.5
	✓	1330	Rain/Fine	0	0	0	20.9	19 1/10/0	5.5
	✓	1700	Rain/Fine	0	0	0	20.9	20 1/10/0	5.5
Area B	✓	0830	Rain/Fine	0	0	0	20.9	18 1/10/0	5.5
	✓	1330	Rain/Fine	0	0	0	20.9	20 1/10/0	5.5
	✓	1700	Rain/Fine	0	0	0	20.9	19 1/10/0	5.5

Name & Designation

Signature

Date

22/3/2023

Field Operator: Jock Lee (Competent Person [CO-310218])

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 monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Area A	23/3/2023	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	18/10/0	5.5
Area B	✓	0830	Rain/Fine	0	0	0	20.9	17/10/0	5.5
	✓	1330	Rain/Fine	0	0	0	20.9	19/10/0	5.5
	✓	1700	Rain/Fine	0	0	0	20.9	18/1009	5.5

Name & Designation

Signature

J

Date

23/3/2023

Field Operator: Jock Lee (Competent Person [CO-310218])

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 monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Area A	24/3/2023	0830	Rain/Fine	0	0	0	20.9	17/1/0/0	5.5
	✓	1330	Rain/Fine	0	0	0	20.9	19/1/009	5.5
	✓	1700	Rain/Fine	0	0	0	20.9	20/1/009	5.5
Area B	✓	0830	Rain/Fine	0	0	0	20.9	18/1/0/0	5.5
	✓	1330	Rain/Fine	0	0	0	20.9	19/1/0/0	5.5
	✓	1700	Rain/Fine	0	0	0	20.9	17/1/009	5.5

Name & Designation

Signature

Date

24/3/2023

Field Operator: Jock Lee (Competent Person [CO-310218])

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 monoxide (%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Area A	27/3/2023	0830	Rain/Fine	0	0	0	20.9	18.1/1009	5.5
	✓	1330	Rain/Fine	0	0	0	20.9	19.1/1009	5.5
	✓	1700	Rain/Fine	0	0	0	20.9	17.1/1009	5.5
Area B	✓	0830	Rain/Fine	0	0	0	20.9	20.1/1010	5.5
	✓	1330	Rain/Fine	0	0	0	20.9	18.1/1010	5.5
	✓	1700	Rain/Fine	0	0	0	20.9	19.1/1010	5.5

Name & Designation

Signature

Y

Date 27/3/2023

Field Operator: Jock Lee (Competent Person [CO-310218])

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 monoxide (%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Area A	28/3/2023	0830	Rain/Fine	0	0	0	20.9	19/10/0	5.5
	✓	1330	Rain/Fine	0	0	0	20.9	17/1009	5.5
	✓	1700	Rain/Fine	0	0	0	20.9	20/1009	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	17/1009	5.5

Name & Designation

Signature

8

Date 28/3/2023

Field Operator: Jock Lee (Competent Person [CO-310218])

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 monoxide (%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Area A	29/3/2023	0830	Rain/Fine	0	0	0	20.9	19 / 1009	5.5
	✓	1330	Rain/Fine	0	0	0	20.9	17 / 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	20 / 1010	5.5
	✓	1330	Rain/Fine	0	0	0	20.9	18 / 1009	5.5
	✓	1700	Rain/Fine	0	0	0	20.9	17 / 1010	5.5

Name & Designation

Signature

Date

29/3/2023

Field Operator: Jock Lee (Competent Person [CO-310218])

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 monoxide (%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Area A	30/3/2023	0830	Rain/Fine	0	0	0	20.9	19/10/0	5.5
	✓	1330	Rain/Fine	0	0	0	20.9	17/1009	5.5
	✓	1700	Rain/Fine	0	0	0	20.9	20/10/0	5.5
Area B	✓	0830	Rain/Fine	0	0	0	20.9	18/1009	5.5
	✓	1330	Rain/Fine	0	0	0	20.9	20/10/0	5.5
	✓	1700	Rain/Fine	0	0	0	20.9	19/10/0	5.5

Name & Designation

Signature

Date

30/3/2023

Field Operator: Jock Lee (Competent Person [CO-310218])

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 monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
Area A	31/3/2023	0830	Rain/Fine	0	0	0	20.9	18/1/009	5.5
	✓	1330	Rain/Fine	0	0	0	20.9	19/1/0/0	5.5
	✓	1700	Rain/Fine	0	0	0	20.9	17/1/009	5.5
Area B	✓	0830	Rain/Fine	0	0	0	20.9	18/1/0/0	5.5
	✓	1330	Rain/Fine	0	0	0	20.9	20/1/0/0	5.5
	✓	1700	Rain/Fine	0	0	0	20.9	19/1/009	5.5

Name & Designation

Signature

8

Date

31/3/2023

Field Operator: Jock Lee (Competent Person [CO-310218])

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 monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
WPRTTA 4	1/3/2023	0830	Rain/Fine	0	0	0	20.9	20/10/0	3.7
	✓	1330	Rain/Fine	0	0	0	20.9	18/1009	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	18/10/0	3.6
	✓	1700	Rain/Fine	0	0	0	20.9	20/1009	3.6

Name & Designation

Signature

8

Date 1/3/2023

Field Operator:

Jock Lee (Competent Person [CO-310218])

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 monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
WPRTTA 4	2/3/2023	0830	Rain/Fine	0	0	0	20.9	17/1009	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	18/1009	3.6
	✓	1330	Rain/Fine	0	0	0	20.9	20/1010	3.6
	✓	1700	Rain/Fine	0	0	0	20.9	19/1009	3.6

Name & Designation

Signature

Date 2/3/2023

Field Operator:

Jock Lee (Competent Person [CO-310218])

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 monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
WPRTTA 4	3/3/2023	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	19 / 1010	3.7
WPRTTA 5	✓	0830	Rain/Fine	0	0	0	20.9	20 / 1009	3.6
	✓	1330	Rain/Fine	0	0	0	20.9	18 / 1010	3.6
	✓	1700	Rain/Fine	0	0	0	20.9	17 / 1009	3.6

Name & Designation

Signature

8

Date

3/3/2023

Field Operator:

Jock Lee (Competent Person [CO-310218])

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 monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
WPRTTA 4	6/3/2023	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	17 / 1009	3.7
WPRTTA 5	✓	0830	Rain/Fine	0	0	0	20.9	18 / 1010	3.6
	✓	1330	Rain/Fine	0	0	0	20.9	20 / 1009	3.6
	✓	1700	Rain/Fine	0	0	0	20.9	19 / 1009	3.6

Name & Designation

Signature

✓

Date

6/3/2023

Field Operator:

Jock Lee (Competent Person [CO-310218])

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 monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
WPRTTA 4	7/3/2023	0830	Rain/Fine	0	0	0	20.9	17/10/0	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	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

Name & Designation

Signature

Date 7/3/2023

Field Operator:

Jock Lee (Competent Person [CO-310218])

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 monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
WPRTTA 4	8/3/2023	0830	Rain/Fine	0	0	0	20.9	19/1009	3.7
	✓	1330	Rain/Fine	0	0	0	20.9	18/10/0	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	17/1009	3.6
	✓	1330	Rain/Fine	0	0	0	20.9	19/10/0	3.6
	✓	1700	Rain/Fine	0	0	0	20.9	18/1009	3.6

Name & Designation

Signature

Date 8/3/2023

Field Operator:

Jock Lee (Competent Person [CO-310218])

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 monoxide (%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
WPRTTA 4	9/3/2023	0830	Rain /Fine	0	0	0	20.9	18/1009	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	17/1009	3.6
	✓	1330	Rain /Fine	0	0	0	20.9	18/10/0	3.6
	✓	1700	Rain /Fine	0	0	0	20.9	20/10/0	3.6

Name & Designation

Signature

8

Date

9/3/2023

Field Operator:

Jock Lee (Competent Person [CO-310218])

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 monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
WPRTTA 4	10/3/2023	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	17/10/0	3.7
WPRTTA 5	✓	0830	Rain/Fine	0	0	0	20.9	20/10/0	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 10/3/2023

Field Operator:

Jock Lee (Competent Person [CO-310218])

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 monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
WPRTTA 4	13/3/2023	0830	Rain/Fine	0	0	0	20.9	17.1/0.0	3.7
	V	1330	Rain/Fine	0	0	0	20.9	19.1/0.0	3.7
	V	1700	Rain/Fine	0	0	0	20.9	20.1/0.0	3.7
WPRTTA 5	V	0830	Rain/Fine	0	0	0	20.9	18.1/0.0	3.6
	V	1330	Rain/Fine	0	0	0	20.9	17.1/0.0	3.6
	V	1700	Rain/Fine	0	0	0	20.9	19.1/0.0	3.6

Name & Designation

Signature

Date 13/3/2023

Field Operator:

Jock Lee (Competent Person [CO-310218])

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 monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
WPRTTA 4	14/3/2023	0830	Rain/Fine	0	0	0	20.9	17/10/0	3.7
	✓	1330	Rain/Fine	0	0	0	20.9	19/10/0	3.7
	✓	1700	Rain/Fine	0	0	0	20.9	18/10/09	3.7
WPRTTA 5	✓	0830	Rain/Fine	0	0	0	20.9	20/10/0	3.6
	✓	1330	Rain/Fine	0	0	0	20.9	19/10/09	3.6
	✓	1700	Rain/Fine	0	0	0	20.9	17/10/09	3.6

Name & Designation

Signature

Y

Date 14/3/2023

Field Operator:

Jock Lee (Competent Person [CO-310218])

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 monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
WPRTTA 4	15/3/2023	0830	Rain/Fine	0	0	0	20.9	19 / 1010	3.7
	✓	1330	Rain/Fine	0	0	0	20.9	17 / 1009	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 / 1010	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

Y

Date

15/3/2023

Field Operator:

Jock Lee (Competent Person [CO-310218])

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 monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
WPRTTA 4	16/3/2023	0830	Rain /Fine	0	0	0	20.9	18 / 1009	3.7
	✓	1330	Rain /Fine	0	0	0	20.9	19 / 1010	3.7
	✓	1700	Rain /Fine	0	0	0	20.9	17 / 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	20 / 1010	3.6
	✓	1700	Rain /Fine	0	0	0	20.9	18 / 1009	3.6

Name & Designation

Signature

Y

Date

16/3/2023

Field Operator:

Jock Lee (Competent Person [CO-310218])

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 monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
WPRTTA 4	17/3/2023	0830	Rain/Fine	0	0	0	20.9	19/10/0	3.7
	✓	1330	Rain/Fine	0	0	0	20.9	17/10/0	3.7
	✓	1700	Rain/Fine	0	0	0	20.9	18/10/0	3.7
WPRTTA 5	✓	0830	Rain/Fine	0	0	0	20.9	20/10/0	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

Signature

Y

Date

17/3/2023

Field Operator:

Jock Lee (Competent Person [CO-310218])

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 monoxide (%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
WPRTTA 4	20/3/2023	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	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	17/1009	3.6
	✓	1700	Rain/Fine	0	0	0	20.9	18/10/0	3.6

Name & Designation

Signature

✓

Date

20/3/2023

Field Operator:

Jock Lee (Competent Person [CO-310218])

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 monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
WPRTTA 4	21/3/2023	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	18 / 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	19 / 10/0	3.6

Name & Designation

Signature

8

Date

21/3/2023

Field Operator:

Jock Lee (Competent Person [CO-310218])

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 monoxide (%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
WPRTTA 4	22/3/2023	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	18/10/09	3.7
WPRTTA 5	✓	0830	Rain/Fine	0	0	0	20.9	17/10/09	3.6
	✓	1330	Rain/Fine	0	0	0	20.9	19/10/0	3.6
	✓	1700	Rain/Fine	0	0	0	20.9	18/10/09	3.6

Name & Designation

Signature

Date

22/3/2023

Field Operator:

Jock Lee (Competent Person [CO-310218])

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 monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
WPRTTA 4	23/3/2023	0830	Rain/Fine	0	0	0	20.9	18/1009	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	19/10/0	3.6

Name & Designation

Signature

✓

Date

23/3/2023

Field Operator:

Jock Lee (Competent Person [CO-310218])

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 monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
WPRTTA 4	24/3/2023	0830	Rain/Fine	0	0	0	20.9	19 / 106	3.7
	y	1330	Rain/Fine	0	0	0	20.9	18 / 1009	3.7
	y	1700	Rain/Fine	0	0	0	20.9	19 / 1009	3.7
WPRTTA 5	y	0830	Rain/Fine	0	0	0	20.9	20 / 106	3.6
	y	1330	Rain/Fine	0	0	0	20.9	17 / 1009	3.6
	y	1700	Rain/Fine	0	0	0	20.9	18 / 1009	3.6

Name & Designation

Signature

Date

24/3/2023

Field Operator:

Jock Lee (Competent Person [CO-310218])

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 monoxide (%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
WPRTTA 4	27/13/2023	0830	Rain/Fine	0	0	0	20.9	19/1009	3.7
	✓	1330	Rain/Fine	0	0	0	20.9	20/1009	3.7
	✓	1700	Rain/Fine	0	0	0	20.9	18/10/0	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	18/1009	3.6
	✓	1700	Rain/Fine	0	0	0	20.9	20/10/0	3.6

Name & Designation

Signature

Y

Date 27/3/2023

Field Operator:

Jock Lee (Competent Person [CO-310218])

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 monoxide(%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
WPRTTA 4	28/3/2023	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	18 / 1009	3.7
WPRTTA 5	✓	0830	Rain/Fine	0	0	0	20.9	20 / 1009	3.6
	✓	1330	Rain/Fine	0	0	0	20.9	19 / 1010	3.6
	✓	1700	Rain/Fine	0	0	0	20.9	17 / 1010	3.6

Name & Designation

Signature

Date 28/3/2023

Field Operator:

Jock Lee (Competent Person [CO-310218])

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 monoxide (%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
WPRTTA 4	29/3/2023	0830	Rain/Fine	0	0	0	20.9	17 / 108	3.7
	✓	1330	Rain/Fine	0	0	0	20.9	19 / 100	3.7
	✓	1700	Rain/Fine	0	0	0	20.9	18 / 100	3.7
WPRTTA 5	✓	0830	Rain/Fine	0	0	0	20.9	18 / 100	3.6
	✓	1330	Rain/Fine	0	0	0	20.9	17 / 100	3.6
	✓	1700	Rain/Fine	0	0	0	20.9	20 / 100	3.6

Name & Designation

Signature

8

Date

29/3/2023

Field Operator:

Jock Lee (Competent Person [CO-310218])

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 monoxide (%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
WPRTTA 4	30/3/2023	0830	Rain/Fine	0	0	0	20.9	17 / 1000	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 / 1000	3.6
	✓	1330	Rain/Fine	0	0	0	20.9	17 / 1000	3.6
	✓	1700	Rain/Fine	0	0	0	20.9	19 / 1009	3.6

Name & Designation

Signature

Y

Date

30/3/2023

Field Operator:

Jock Lee (Competent Person [CO-310218])

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 monoxide (%)	Oxygen (%)	Temp (°C) / Pressure (mbar)	Remark Depth (m)
WPRTTA 4	31/3/2023	0830	Rain/Fine	0	0	0	20.9	18.1/1009	3.7
	y	1330	Rain/Fine	0	0	0	20.9	17.1/1010	3.7
	y	1700	Rain/Fine	0	0	0	20.9	19.1/1010	3.7
WPRTTA 5	y	0830	Rain/Fine	0	0	0	20.9	17.1/1009	3.6
	✓	1330	Rain/Fine	0	0	0	20.9	19.1/1010	3.6
	✓	1700	Rain/Fine	0	0	0	20.9	20.1/1010	3.6

Name & Designation

Signature

8

Date

31/3/2023

Field Operator:

Jock Lee (Competent Person [CO-310218])

Laboratory Staff:

Checked by:

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

[illegible]

ENVIRONMENTAL RESOURCES MANAGEMENT

Landfill Gas Monitoring –Field Measurement Recording Sheet

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

Date of measurement:

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

[illegible]Name & Designation

Signature

Date

Field Operator:

Cheung Hoi Kit

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2/3/23

Laboratory Staff:

Checked by:

Landfill Gas Monitoring –Field Measurement Recording Sheet

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

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

Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission						
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide (%)	Oxygen (%)	Temp (°C)	Remark
Pit A	3/3/23	8:20	sunny	0	0	0	20.9	18/999	9
		11:25		0	0	0	20.9	23/999	9
		3:13		0	0	0	20.9	20/999	9


Name & Designation

Signature

Date

Field Operator:

Cheung Hoi Kit



3/3/23

Laboratory Staff:

Checked by:

Landfill Gas Monitoring –Field Measurement Recording Sheet

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

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

Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission						
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide (%)	Oxygen (%)	Temp (°C)	Remark
Pit A	4/3/23	8:20	sunny	0	0	0	20.9	18/999	9
		11:25		0	0	0	20.9	23/999	9
		3:13		0	0	0	20.9	20/999	9

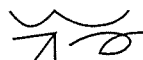
Name & Designation

Signature

Date

Field Operator:

Cheung Hoi Kit



4/3/23

Laboratory Staff:

Checked by:

Landfill Gas Monitoring –Field Measurement Recording Sheet

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

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

Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission						
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide (%)	Oxygen (%)	Temp (°C)	Remark
Pit A	6/3/23	8:20	sunny	0	0	0	20.9	18/999	9
		11:25		0	0	0	20.9	23/999	9
		3: 13		0	0	0	20.9	20/999	9


Name & Designation

Signature

Date

Field Operator:

Cheung Hoi Kit



6/3/23

Laboratory Staff:

Checked by:

Landfill Gas Monitoring –Field Measurement Recording Sheet

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

Date of measurement:

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

[illegible]Name & Designation

Signature

Date

Field Operator:

Cheung Hoi Kit

70

7/3/23

Laboratory Staff:

Checked by:

Landfill Gas Monitoring –Field Measurement Recording Sheet

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

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

Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission						
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide (%)	Oxygen (%)	Temp (°C)	Remark
Pit A	8/3/23	8:20	sunny	0	0	0	20.9	18/999	9
		11:25		0	0	0	20.9	23/999	9
		3: 13		0	0	0	20.9	20/999	9

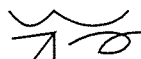
Name & Designation

Signature

Date

Field Operator:

Cheung Hoi Kit



8/3/23

Laboratory Staff:

Checked by:

Landfill Gas Monitoring –Field Measurement Recording Sheet

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

Date of measurement:

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

[illegible]Name & Designation

Signature

Date

Field Operator:

Cheung Hoi Kit

7

9/3/23

Laboratory Staff:

Checked by:

Landfill Gas Monitoring –Field Measurement Recording Sheet

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

Date of measurement:

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

[illegible]Name & Designation

Signature

Date

Field Operator:

Cheung Hoi Kit

7

10/3/23

Laboratory Staff:

Checked by:

Landfill Gas Monitoring –Field Measurement Recording Sheet

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

Date of measurement:

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

[illegible]

Name & Designation

Signature

Date

Field Operator:

Cheung Hoi Kit

70

11/3/23

Laboratory Staff:

Checked by:

Landfill Gas Monitoring –Field Measurement Recording Sheet

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

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

Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission						
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide (%)	Oxygen (%)	Temp (°C)	Remark
Pit A	13/3/23	8:20	sunny	0	0	0	20.9	18/999	9
		11:25		0	0	0	20.9	23/999	9
		3:13		0	0	0	20.9	20/999	9

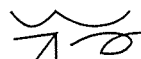
Name & Designation

Signature

Date

Field Operator:

Cheung Hoi Kit



13/3/23

Laboratory Staff:

Checked by:

Landfill Gas Monitoring –Field Measurement Recording Sheet

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

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

Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission						
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide (%)	Oxygen (%)	Temp (°C)	Remark
Pit A	14/3/23	8:20	sunny	0	0	0	20.9	18/999	9
		11:25		0	0	0	20.9	23/999	9
		3: 13		0	0	0	20.9	20/999	9

Name & Designation

Signature

Date

Field Operator:

Cheung Hoi Kit



14/3/23

Laboratory Staff:

Checked by:

Landfill Gas Monitoring –Field Measurement Recording Sheet

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

Date of measurement:

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

[illegible]Name & Designation

Signature

Date

Field Operator:

Cheung Hoi Kit

70

15/3/23

Laboratory Staff:

Checked by:

Landfill Gas Monitoring –Field Measurement Recording Sheet

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

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

Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission						
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide (%)	Oxygen (%)	Temp (°C)	Remark
Pit A	16/3/23	8:20	sunny	0	0	0	20.9	18/999	9
		11:25		0	0	0	20.9	23/999	9
		3:13		0	0	0	20.9	20/999	9

Name & Designation

Signature

Date

Field Operator:

Cheung Hoi Kit



16/3/23

Laboratory Staff:

Checked by:

Landfill Gas Monitoring –Field Measurement Recording Sheet

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

Date of measurement:

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

Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission						
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide (%)	Oxygen (%)	Temp (°C)	Remark
Pit A	17/3/23	8:20	sunny	0	0	0	20.9	13/999	9
		11:25		0	0	0	20.9	15/999	9
		3:13		0	0	0	20.9	14/999	9


Name & Designation

Signature

Date

Field Operator:

Cheung Hoi Kit



17/3/23

Laboratory Staff:

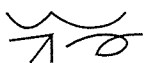
Checked by:

Landfill Gas Monitoring –Field Measurement Recording Sheet

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

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

Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission						
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide (%)	Oxygen (%)	Temp (°C)	Remark
Pit A	18/3/23	8:20	sunny	0	0	0	20.9	18/999	9
		11:25		0	0	0	20.9	23/999	9
		3:13		0	0	0	20.9	20/999	9

Field Operator: Cheung Hoi Kit  18/3/23

Laboratory Staff:

Checked by:

Landfill Gas Monitoring –Field Measurement Recording Sheet

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

Date of measurement:

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

Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission						
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide (%)	Oxygen (%)	Temp (°C)	Remark
Pit A	20/3/23	8:20	sunny	0	0	0	20.9	18/999	9
		11:25		0	0	0	20.9	23/999	9
		3:13		0	0	0	20.9	20/999	9

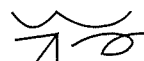
Name & Designation

Signature

Date

Field Operator:

Cheung Hoi Kit



20/3/23

Laboratory Staff:

Checked by:

Landfill Gas Monitoring –Field Measurement Recording Sheet

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

Date of measurement:

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

Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission						
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide (%)	Oxygen (%)	Temp (°C)	Remark
Pit A	21/3/23	8:20	sunny	0	0	0	20.9	18/999	9
		11:25		0	0	0	20.9	23/999	9
		3: 13		0	0	0	20.9	20/999	9

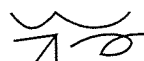
Name & Designation

Signature

Date

Field Operator:

Cheung Hoi Kit



21/3/23

Laboratory Staff:

Checked by:

Landfill Gas Monitoring –Field Measurement Recording Sheet

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

Date of measurement:

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

Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission						
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide (%)	Oxygen (%)	Temp (°C)	Remark
Pit A	22/3/23	8:20	sunny	0	0	0	20.9	18/999	9
		11:25		0	0	0	20.9	23/999	9
		3:13		0	0	0	20.9	20/999	9

Name & Designation

Signature

Date

Field Operator:

Cheung Hoi Kit



22/3/23

Laboratory Staff:

Checked by:

Landfill Gas Monitoring –Field Measurement Recording Sheet

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

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

Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission						
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide (%)	Oxygen (%)	Temp (°C)	Remark
Pit A	23/3/23	8:20	sunny	0	0	0	20.9	18/999	9
		11:25		0	0	0	20.9	23/999	9
		3:13		0	0	0	20.9	20/999	9

Name & Designation

Signature

Date

Field Operator:

Cheung Hoi Kit



23/3/23

Laboratory Staff:

Checked by:

Landfill Gas Monitoring –Field Measurement Recording Sheet

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

Date of measurement:

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

Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission						
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide (%)	Oxygen (%)	Temp (°C)	Remark
Pit A	24/3/23	8:20	sunny	0	0	0	20.9	18/999	9
		11:25		0	0	0	20.9	23/999	9
		3:13		0	0	0	20.9	20/999	9

Name & Designation

Signature

Date

Field Operator:

Cheung Hoi Kit



24/3/23

Laboratory Staff:

Checked by:

Landfill Gas Monitoring –Field Measurement Recording Sheet

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

Date of measurement:

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

[illegible]Name & Designation

Signature

Date

Field Operator:

Cheung Hoi Kit

7/20

25/3/23

Laboratory Staff:

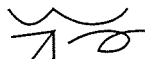
Checked by:

Landfill Gas Monitoring –Field Measurement Recording Sheet

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

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

Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission						
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide (%)	Oxygen (%)	Temp (°C)	Remark
Pit A	27/3/23	8:20	sunny	0	0	0	20.9	18/999	9
		11:25		0	0	0	20.9	23/999	9
		3:13		0	0	0	20.9	20/999	9

Field Operator: Cheung Hoi Kit  27/3/23

Laboratory Staff:

Checked by:

Landfill Gas Monitoring –Field Measurement Recording Sheet

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

Date of measurement:

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

[illegible]Name & Designation

Signature

Date

Field Operator:

Cheung Hoi Kit

70

28/3/23

Laboratory Staff:

Checked by:

Landfill Gas Monitoring –Field Measurement Recording Sheet

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

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

Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission						
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide (%)	Oxygen (%)	Temp (°C)	Remark
Pit A	29/3/23	8:20	sunny	0	0	0	20.9	18/999	9
		11:25		0	0	0	20.9	23/999	9
		3:13		0	0	0	20.9	20/999	9

Name & Designation

Signature

Date

Field Operator:

Cheung Hoi Kit



29/3/23

Laboratory Staff:

Checked by:

Landfill Gas Monitoring—Field Measurement Recording Sheet

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

Date of measurement:

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

[illegible]

Name & Designation

Signature

Date

Field Operator:

Cheung Hoi Kit

70

30/3/23

Laboratory Staff:

Checked by:

Landfill Gas Monitoring –Field Measurement Recording Sheet

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

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

Sample location	Date of measurement	Sampling time	Monitoring wells / Surface Gas Emission						
			Weather condition	Balance gas (%)	Flammable gas (methane %)	Carbon dioxide (%)	Oxygen (%)	Temp (°C)	Remark
Pit A	31/3/23	8:20	sunny	0	0	0	20.9	18/999	9
		11:25		0	0	0	20.9	23/999	9
		3:13		0	0	0	20.9	20/999	9

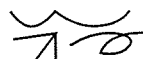
Name & Designation

Signature

Date

Field Operator:

Cheung Hoi Kit



31/3/23

Laboratory Staff:

Checked by: