Annex G

Odour Patrol Result

CERTIFICATE OF ANALYSIS

CLIENT:	OSCAR BIOENERGY JOINT VENTURE	WORK ORDER:	HK2337148
CONTACT:	MS HASSAN KA SIN		
ADDRESS:	NO. 5, SHAM FUNG ROAD, SIU HO WAN, NORTH LANTAU ISLAND, NT, HONG KONG	LABORATORY:	HONG KONG
		SUB-BATCH:	0
		DATE OF PATROL:	14 SEPTEMBER 2023
		DATE OF ISSUE:	25 SEPTEMBER 2023
PROJECT:	ODOUR PATROL FOR THE ORGANIC RESOURCES RECOVERY CENTRE PHASE 1 IN SIU HO WAN	SAMPLE TYPE:	ODOUR PATROL
SITE:	ORGANIC RESOURCES RECOVERY CENTRE PHASE 1 (O-PARK 1)	NO. OF LOCATIONS:	8
PO:	23040085		

COMMENTS

Odour Patrol was conducted by the staff of ALS Technichem during 10:16 – 10:17 and 15:35 – 15:54. Due to raining when conducting the first round of patrol at Location 7, all the remaining patrol points in the morning time were cancelled.

Sampling information (Project name, Sample ID) is provided by client.

NOTES

This is the Final Report and supersedes any preliminary report with this batch number.

The results related only to the items tested. All pages of this report have been checked and approved for release.

Fung Lim Chee Richard
Managing Director - Hong Kong

1.   Summary of Work

The odour patrol was conducted during daytime and evening time.

2.   Odour Patrol

Odour patrolling is a process to make use of the calibrated olfactory senses (i.e. the nasal sense) of the patrol members to evaluate the odour and its intensity during a patrol exercise at the site.

The patrol work was conducted by two odour patrol team members from ALS Technichem (HK) Pty Ltd during each time session. All members are free from any respiratory diseases during patrol day. None of the members has been working or living in the area of the vicinity of the inspection zone.

The patrol team was required to move slowly from one to the other monitoring locations and use their olfactory senses to detect odour at each location.
The location of odour sources and the areas to be affected by the odour nuisance were identified as much as possible.

During the patrolling, the meteorological and surrounding information were recorded:

- the prevailing weather condition;
- the wind direction;
- the wind speed;
- location where odour is spotted;
- possible source of odour;
- perceived intensity of the odour;
- duration of odour; and
- characteristics of the odour detected.

The perceived intensity is to be divided into 5 levels which are ranked in an ascending order as follows:

0	Not detected	No odour perceives or an odour so weak that it cannot be easily characterised or described
1	Slight	Identifiable odour, slight
2	Moderate	Identifiable odour, moderate
3	Strong	Identifiable odour, strong
4	Extreme	Severe odour

The odour patrol location was shown in Appendix 1.

3. Odour Patrol Result
3.1 Daytime:

Location	Panellist	Weather	Time	T (°C)	RH (%)	WS (m/s)	WD (Degree)	Odour Intensity	Duration of Odour	Direction from Source	On-Site Observation	
											Odour Characteristics	Potential Odour Source
8	1	Cloudy	10:16	27.6	96.4	0.0	--	0	NA	NA	NA	NA
	2							0				
7	1	Cloudy	10:17	27.3	96.6	0.0	--	1	Continuous	NA	Garbage	Tipping Hall
	2							1				

Remark:

T: Air Temperature
RH: Relative Humidity
WS: Wind Speed
WD: Wind Direction

NA: Not Applicable

 # Due to the raining when conducting the patrol at Location 7, all the remaining patrol points in the morning time were cancelled.

3.2 Evening time:

Location	Panellist	Weather	Time	T (°C)	RH (%)	WS (m/s)	WD (Degree)	Odour Intensity	Duration of Odour	Direction from Source	On-Site Observation	
											Odour Characteristics	Potential Odour Source
8	1	Cloudy	15:35	28.9	87.1	0.6	280	0	NA	NA	NA	NA
	2							0				
7	1	Cloudy	15:36	29.0	86.0	0.6	353	1	Continuous	Upwind	Garbage	Tipping Hall
	2							1				
2	1	Cloudy	15:39	29.0	87.4	0.0	--	1	Intermittent	NA	Grassy	Vegetation
	2							1				
3	1	Cloudy	15:40	28.6	94.3	0.0	--	1	Intermittent	NA	Grassy	Vegetation
	2							1				
5	1	Cloudy	15:44	29.1	91.1	0.0	--	1	Intermittent	NA	Compost	Composting Hall
	2							1				

Location	Panellist	Weather	Time	T (°C)	RH (%)	WS (m/s)	WD (Degree)	Odour Intensity	Duration of Odour	Direction from Source	On-Site Observation	
											Odour Characteristics	Potential Odour Source
6	1	Cloudy	15:48	29.0	90.5	0.4	173	0	NA	NA	NA	NA
	2							0				
9	1	Cloudy	15:51	29.0	91.7	0.5	159	1	Continuous	Downwind	Compost	Composting Hall
	2							1				
10	1	Cloudy	15:54	22.4	79.3	NA	NA	1	Continuous	NA	Musty	Air Conditioning System
	2							1				

Remark:

T: Air Temperature
RH: Relative Humidity
WS: Wind Speed
WD: Wind Direction

NA: Not Applicable

APPENDIX 1

Odour Patrol Route
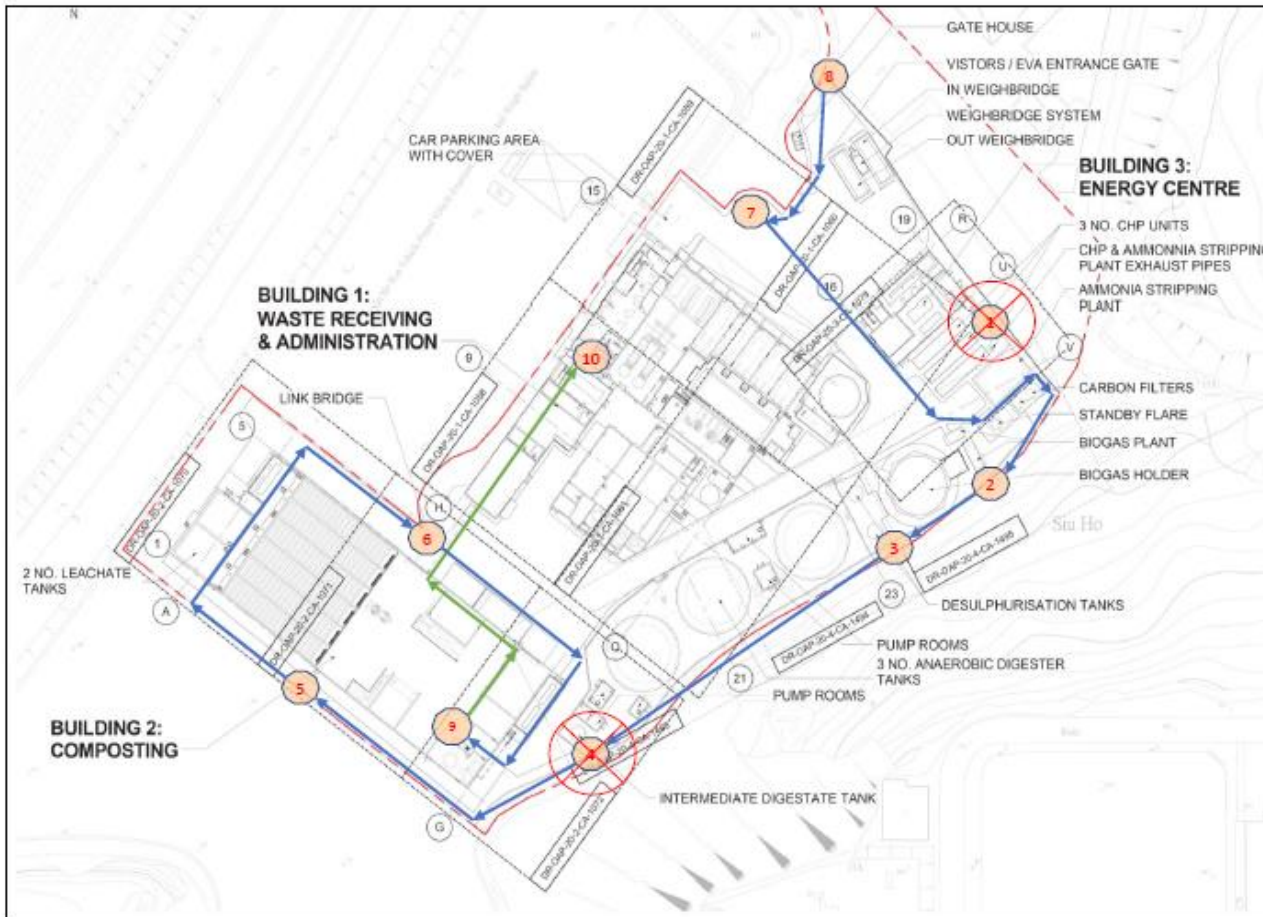
APPENDIX 2

A2.1   Odour Patrol at Different Locations – Morning time

Location: 8

Location: 7
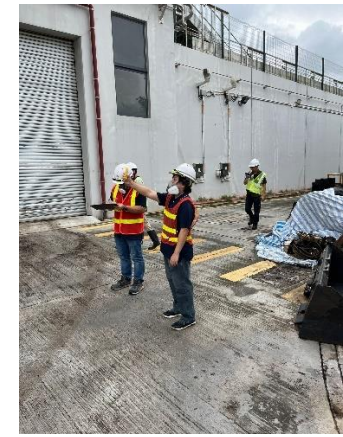
A2.1 Odour Patrol at Different Locations – Evening time
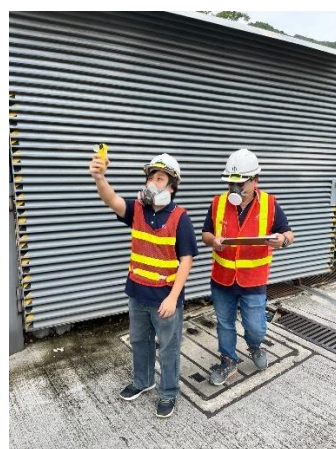

Location: 2

Location: 3

Location: 5

Location: 6

Location: 7

Location: 8
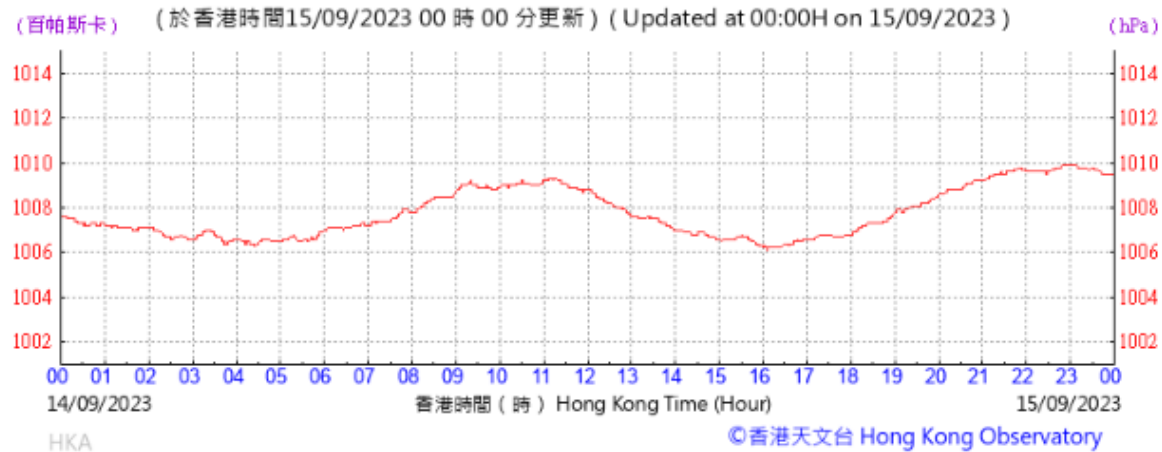

Location: 9

Location: 10

APPENDIX 3

Extract of Meteorological Observations from Hong Kong Airport Observatory Station
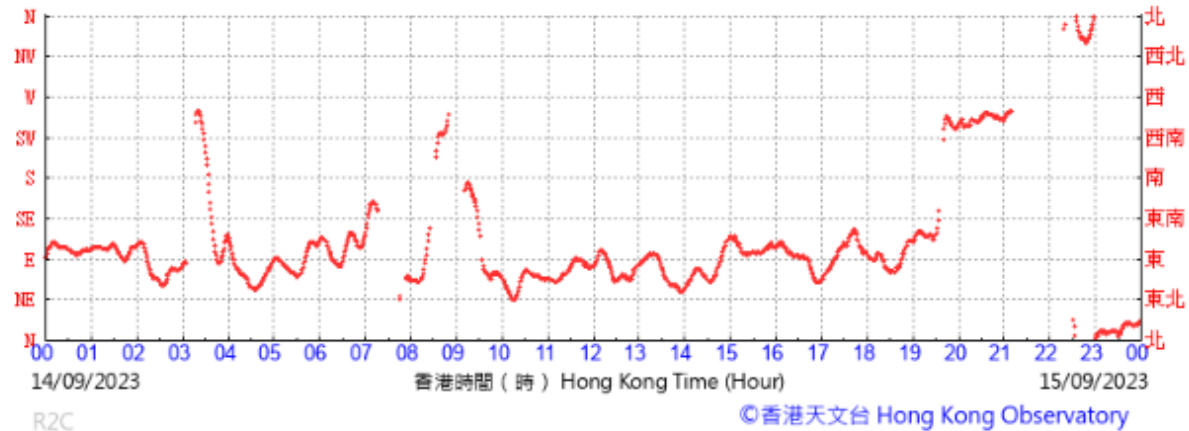
Tempearture/Humidity:
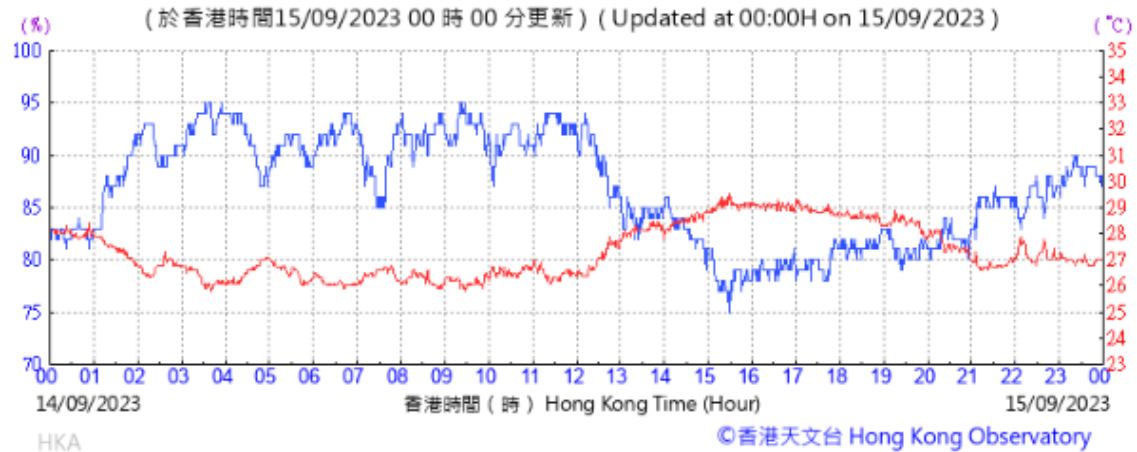
Pressure:

Wind Direction:

（於香港時間15/09/2023 00 時 00 分更新）（Updated at 00:00H on 15/09/2023）

14/09/2023 香港時間（時）Hong Kong Time (Hour) 15/09/2023

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Wind Speed:

（公里/小時） （於香港時間15/09/2023 00 時 00 分更新）（Updated at 00:00H on 15/09/2023） （km/h）

14/09/2023 香港時間（時）Hong Kong Time (Hour) 15/09/2023

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