# Annex G

# Odour Patrol Result



ALS Technichem (HK) Pty Ltd 11/F, Chung Shun Knitting Centre 1-3 Wing Yip Street Kwai Chung, N.T., Hong Kong T +852 2610 1044 F +852 2610 2021

CERTIFICATE OF ANALYSIS

CLIENT:

OSCAR BIOENERGY JOINT

WORK ORDER:

HK22236298

**VENTURE** 

CONTACT:

MS ANGEL TJIA

ADDRESS:

NO. 5, SHAM FUNG ROAD,

SIU HO WAN, NORTH LANTAU

ISLAND, NT, HONG KONG

LABORATORY:

HONG KONG

SUB-BATCH:

DATE OF PATROL:

09 SEPTEMBER, 2022

DATE OF ISSUE:

SAMPLE TYPE:

21 SEPTEMBER, 2022

ODOUR PATROL

PROJECT:

ODOUR PATROL FOR THE

ORGANIC RESOURCES

**RECOVERY CENTRE PHASE 1** 

IN SIU HO WAN

SITE:

**ORGANIC RESOURCES** 

**RECOVERY CENTRE PHASE 1** 

(O-PARK 1)

NO. OF

LOCATIONS:

8

#### **COMMENTS**

Odour Patrol was conducted by the staff of ALS Technichem (HK) Pty Ltd during 10:19 - 10:41 and 15:46 - 16:03.

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.

Richard Fung Managing Director - Hong Kong

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Work Order: HK2236298

#### 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.

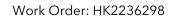
During the patrolling, the meteorological and surrounding information were recorded:

- 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.

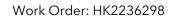




### 3. Odour Patrol Result:

# 3.1 Daytime:

tion	Illist	ther		т	RH	ws	D ree)	Odour	Duration of	Direction	On-Site Observation		
Location	Panellist	Weather	Time	(°C)	(%)	(m/s)	WD (Degree)	Intensity	Odour	from Source	Odour Characteristics	Potential Odour Source	
8	1	C	10.10	25 /	53.8	0.0		0	NΙΛ	NΑ	NA	NIA	
0	2	Sunny	10:19	35.6	55.6	0.0		0	NA	INA	INA	NA	
7	1	C		1	Continuous	NA	Garbage	Pre-Treatment					
/	2	Sunny	10:22	34.5	55.7	0.0		1	Continuous	NA	Garbage	Hall	
2	1	6 10	10:25	22.7	3.6 56.9	0.7	121	0	NA	NIA	NIA	NA	
2	2	Sunny		33.6				0		NA	NA		
	1	C	10.27	22.0	F7 F	0.5		0	NIA	NIA	NIA		
3	2 Sunn	Sunny	Sunny 10:26	33.8	57.5	0.5	132	0	NA	NA	NA	NA	
_	1		6	10.20	22.4	4 (0.7	0.0		1				
5	2	Sunny	10:29	33.4	60.7	0.0		1	Continuous	NA	Grassy	Vegetation	

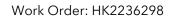




tion	Panellist	llist	_:	т	RH	ws	D ree)	Odour	Duration of	Direction from Source	On-Site Observation	
Location	Pane	Weather	Time	(°C)	(%)	(m/s)	WD (Degree)	Intensity	Odour		Odour Characteristics	Potential Odour Source
6	1	Sunny	10:32	33.3	53.7	1.1	169	1	Continuous	Side wind	Garbage	Pre-Treatment Hall
	2	· · · · · · · · · · · · · · · · ·						1				
9	1	Cuppy	Sunny 10:36	22.2	EO 1	0.9	301	0	NIA	NIA	NA	NA
7	2	Sunny		33.2	58.1			0	NA	NA		
10	1	Sunny	/ 10:41	27.3	62.5	0.0		0	NA	NA	NA	NA
10	2			27.3	02.3			0				

#### Remark:

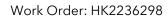
T: Air Temperature;
RH: Relative Humidity;
WS: Wind Speed;
WD: Wind Direction.





# 3.2 Evening time:

tion		ther		т	<b>DIL (0/)</b>	ws	D ree)	Odour	Duration of	Direction	On-Site O	bservation
Location	Panellist	Weather	Time	(°C)	RH (%)	(m/s)	WD (Degree)	Intensity	Odour	from Source	Odour Characteristics	Potential Odour Source
8	1	Sunny	15.47	33.5	51.4	0.9		0	NA	NA	NA	NA
0	2	Sunny	15:46	33.3	51.4	0.9	347	0	INA	NA	IVA	IVA
7	1	Sunny	15:48	33.6	51.5	0.5	107	1	Continuous	C. I I	Garbage	Pre-Treatment Hall
/	2	Sunny	13.40	33.0	31.3	0.5	107	1		Side wind	Garbage	
2	1	C	y 15:51 3	5:51 33.5	F2./	0.0		1	Continuous	NIA	Biogas	Biogas Tank Valve Holder
2	2	Sunny			53.6			1		NA		
2	1	C	15.50	22.0	F7 1	0.0		0	NA	NIA	NIA	NA
3	Sunny 2	Sunny	15:52	32.8	57.1	0.0		0		NA	NA	
Г	1	Sunny	15:55	33.9	56.8	0.0		1		NA	Grassy	Vegetation
5	2							1	Continuous			

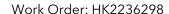




tion	ellist	ther	<b>-:</b>	т	RH	ws	D ree)	Odour	Duration of	Direction	On-Site Observation	
Location	Panellist	Weather	Time	(°C)	(%)	(m/s)	WD (Degree)	Intensity	Odour	from Source	Odour Characteristics	Potential Odour Source
6	1	Suppy	15:58	33.8	56.5	0.6	318	0	NA	NA	NA	NA
	Sunny 2	Summy	13.36	33.0				0				
9	1	Cuppy	ny 16:00	32.4	55.8	0.8	305	0	NA NA	NIA	NA	NA
7	2	Sunny						0		NA		
10	1	Cummu	1/.02	29.6	57.3	-	-	0	NA	NA	NA	NA
10	2	Sunny	16:03					0				

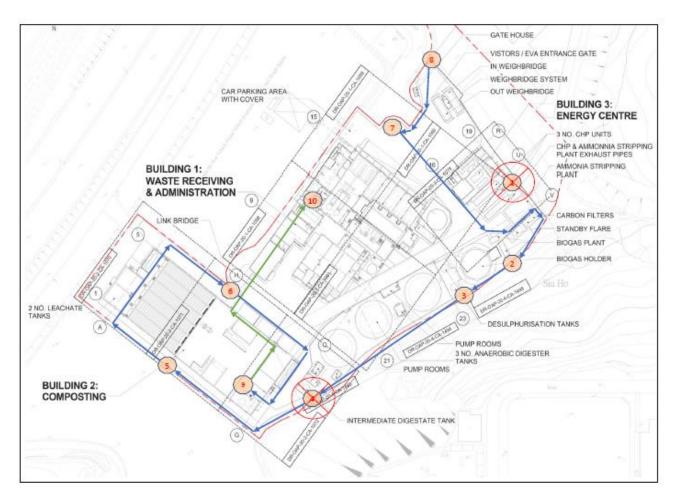
#### Remark:

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



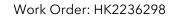


#### **Odour Patrol Route**





Checkpoint





# A2.1 Odour Patrol at Different Locations - Daytime (First round)



Location: 2



Location: 7





Location: 8



Location: 5

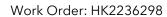


Location: 9





Location: 10





# A2.2 Odour Patrol at Different Locations - Evening time



Location: 2



Location: 7



Location: 3



Location: 8



Location: 5



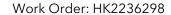
Location: 9



Location: 6



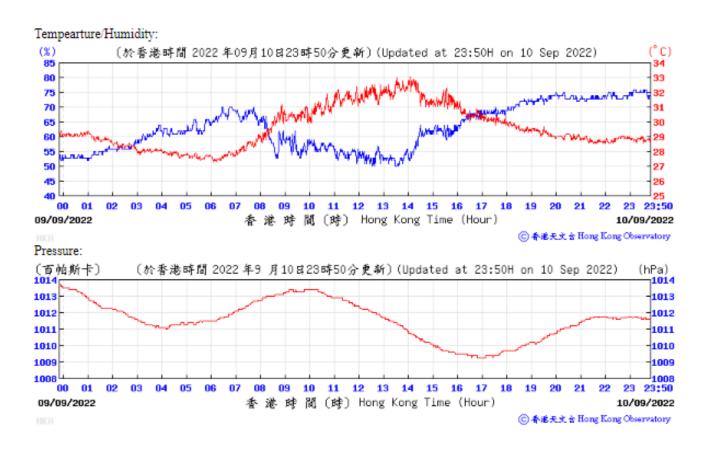
Location: 10

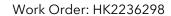




**APPENDIX 3** 

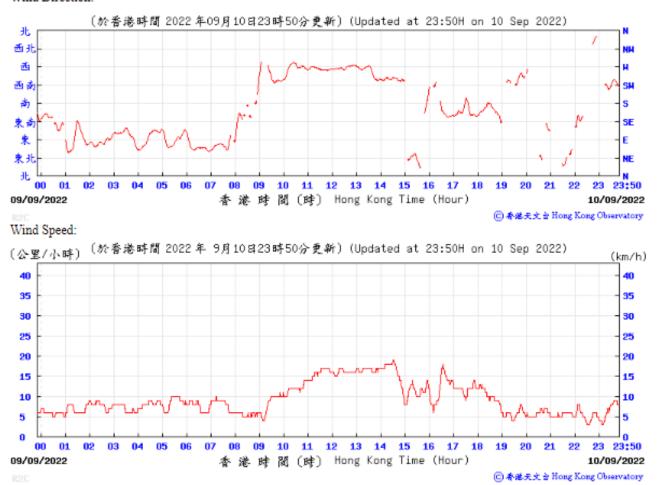
#### **Extract of Meteorological Observations from Hong Kong Airport Observatory Station**







#### Wind Direction:





ALS Technichem (HK) Ptv Ltd 11/F, Chung Shun Knitting Centre 1-3 Wing Yip Street Kwai Chung, N.T., Hong Kong T +852 2610 1044 F +852 2610 2021

**CERTIFICATE OF ANALYSIS** 

CLIENT:

OSCAR BIOENERGY JOINT

WORK ORDER:

LABORATORY:

HK2237519

**VENTURE** 

CONTACT: MS ANGEL TJIA

ADDRESS:

NO. 5, SHAM FUNG ROAD,

ISLAND, NT, HONG KONG

SIU HO WAN, NORTH LANTAU

SUB-BATCH:

HONG KONG

DATE OF PATROL:

22 SEPTEMBER 2022

DATE OF ISSUE:

SAMPLE TYPE:

3 OCTOBER 2022 ODOUR PATROL

PROJECT:

AD HOC ODOUR PATROL FOR

THE ORGANIC RESOURCES **RECOVERY CENTRE PHASE 1 IN** 

SIU HO WAN

SITE:

**ORGANIC RESOURCES** 

RECOVERY CENTRE PHASE 1 (O-

NO. OF

8

PARK 1)

LOCATIONS:

#### **COMMENTS**

This was an ad hoc odour patrol event requested by the client and conducted by ALS Technichem staff during 10:33 - 10:57 on 22<sup>nd</sup> September 2022.

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.

Managing Director

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Work Order: HK2237519

#### 1. Summary of Work

This ad hoc odour patrol was conducted at eight (8) selected locations as requested by the client.

#### 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.

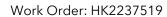
During the patrolling, the meteorological and surrounding information were recorded:

- 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

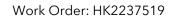
The odour patrol location was shown in Appendix 1.





# 3. Odour Patrol Result:

tion	Location Panellist	ther	<b>-</b> •	Т		ws	D Iree)	Odour	Duration of	Direction	On-Site C	Observation
Location	Pane	Weather	Time	(°C)		Odour	from Source	Odour Characteristics	Potential Odour Source			
8	1	Cuppy	10:33	30.4	72.0	3.2	176	1	Intermittent	Side wind	Garbago	Pro trootmont Hall
0	2	Sunny	10.55	30.4	72.0	3.2	170	1	mermittent	Side Willa	Garbage	Pre-treatment Hall
7	1	Sunny 10:35	10.25	30.2	73.9	0.9	245	0	NA	NA	NA	NA
/	2	Sunny	10.55	30.2	73.7	0.9	245	0				
2	1	Common	10.20	21.0	76.8	0.0		0	NA	NA	NIA	NA
2	2	Sunny	10:39	31.8				0		INA	NA	
3	1	Common	10:40	31.5	74.4	0.8		1	lata was itt a a t	ا ما ما سانه ما	Diama	Biogas Tank Valve
3	2 Sunn	Sunny	10:40	31.3	/4.4		003	1	Intermittent	Side wind	Biogas	Holder
5	1	6	10.45	24.4	1 00 1	0.4	0.40	1		ا ما ما سانه ما	Grassy	Nearby Vegetation
3	2	Sunny	10:45	31.1	82.1	0.4	242	1	Intermittent	Side wind		

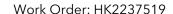




tion	Panellist Weather	ther	Time	T (°C)	RH (%)	WS (m/s)	WD (Degree)	Odour Intensity	Duration of Odour	Direction from	On-Site Observation	
Location	Pane	Wea								Source	Odour Characteristics	Potential Odour Source
6	1	Sunny	10:48	31.0	77.4	1.4	154	1	Intermittent	Side wind	Garbage	Pre-treatment Hall
	2							1				
9	1	Cuppy	Sunny 10:54	30.0	84.8	1.4	445	0	NA	NA	NA	NA
7	2	Sunny	10.54	30.0	04.0	1.4	115	0	IVA	NA		
10	1	Sunny	10.57	25.2	79.7	NA	NA	1	Continuous	NA	Musty	Air conditioner
10	2		10:57	23.2	17.1	IVA	INA	1				

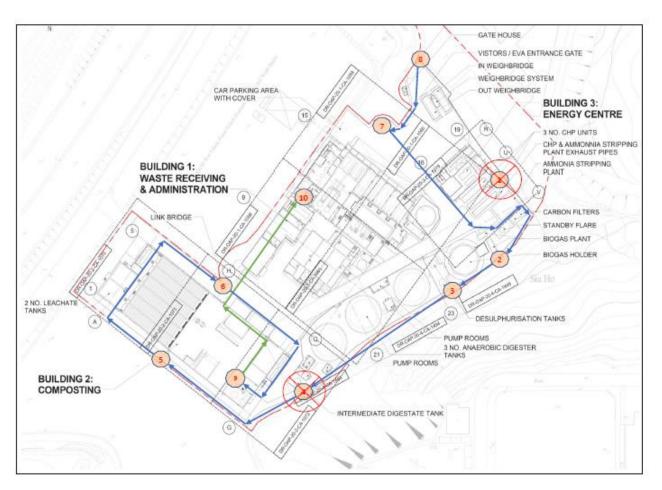
#### Remark:

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



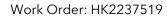


#### **Odour Patrol Route**











# **Odour Patrol Locations Photos**



Location: 2



Location: 7



Location: 3





Location: 5



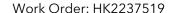
Location: 9



Location: 6

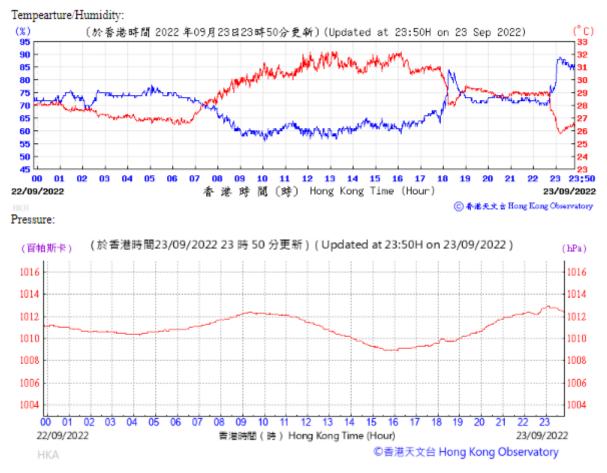


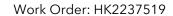
Location: 10





# **Extract of Meteorological Observations from Hong Kong Airport Observatory Station**







#### Wind Direction:

