Annex G

Odour Patrol Result



CERTIFICATE OF ANALYSIS									
CLIENT:	Oscar Bioenergy Joint Venture	WORK ORDER:	HK1939568						
CONTACT:	Mr Terence Chan								
ADDRESS:	No. 5, Sham Fung Road, Siu	LABORATORY:	Hong Kong						
	Ho Wan, North Lantau	SUB-BATCH:	0						
	Island, NT, Hong Kong	DATE OF PATROL:	9 September 2019						
		DATE OF ISSUE:	16 September 2019						
PROJECT:	Odour Patrol for the Organic								
1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 - 1997 -	Resources Recovery Centre								
	Phase 1 in Siu Ho Wan								
SITE:	Organic Resources Recovery								
	Centre Phase 1 (O-Park 1)								

COMMENTS

Date of Odour Patrol: 9th September 2019.

Odour Patrol was conducted by ALS Technichem (HK) Pty Ltd staff during 10:31 - 10:47 and 16:21 - 16:35.

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.

Results apply to sample(s) as submitted. All pages of this report have been checked and approved for release.

Mr Richard Fung Hong Kong Managing Director

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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 (ie 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.



- Odour Patrol Result:
 3.1. Daytime:

Location	Panellist	Weather	Time	т	RH	ws	WD (Degree)	Odour	Duration of	Direction from Source	On-Site Observation		
Loca	Pane	Wea	Time	(°C)	(%)	(m/s)	W (Deg	Intensity	Odour		Odour Characteristics	Potential Odour Source	
8	1	Sunny	10:31	33.1	80.0	0.9	321	0	NA	NA	NA	NA	
0	2	Sunny	10.51	55.1	80.0	0.9	521	0	NA	NA	NA	NA	
7	1	Sunny	10:33	33.9	71.2	0.0	_	1	Continuous	NA	Biogas	Biogas Holder Tank Relief	
/	2	Sunny	10.55	55.9	/ 1.2	0.0	_	1	Continuous	NA .	ыодаз	Valve	
2	1	Sunny	10:36	33.2	72.6	0.9	329	1	Continuous	Upwind	Biogas	Biogas Holder Tank Relief	
2	2	Sunny	10.50	2.ככ	72.0	0.9	329	1	Continuous	Opwind	biogas	Valve	
3	1	Sunny	10:37	33.3	73.4	0.4	220	1	Continuous	Downwind	Piogas	Biogas Holder Tank Relief	
2	2	Sunny	10.57	55.5	/ 3.4	0.4	328	1	Continuous	Downwind	Biogas	Valve	
5	1	Suppy	10:40	33.0	79.4	0.0		1	Continuous	NA	Cracey small	Nearby vegetation	
Э	2	Sunny	10.40	55.0	79.4	0.0	-	1	Continuous		Grassy smell	Nearby vegetation	



tion	anellist	ti T Ri	RH	WS	Odour		Duration of	Direction from	On-Site Observation			
Location	Pane	Weather	Time	(°C)	(%)	(m/s)	WD (Degree)	Intensity	Odour	Source	Odour Characteristics	Potential Odour Source
6	$\begin{array}{c c} 1 \\ \hline 2 \\ \end{array} Sunny 1 \end{array}$	10:42	32.9	73.0	1.5	317	0	NA	NA	NA	NA	
0							0					
	1							0				
9	2	Sunny	10:44	33.3	74.2	0.5	326	0	NA	NA	NA	NA
10	1	Summer	y 10:47	23.7	67.7	-		0	NA	NA	NA	NA
10	2	Sunny						0				

Remark:

T: Air Temperature; RH: Relative Humidity; WS: Wind Speed; WD: Wind Direction. Location 9 and 10 were added as new odour patrol points. Location 1 and 4 patrol points were removed and will not be performed.



3.2. Evening time:

Location	Panellist	Weather	Time	т	RH	ws	WD (Degree)	Odour	Duration of	Direction from	On-Site	Observation
Loca	Pane	Wea	Time	(°C)	(%)	(m/s)	W (Deg	Intensity	Odour	Source	Odour Characteristics	Potential Odour Source
8	1	Sunny	16:21	31.0	76.2	1 1	312	0	NA	NA	NA	NA
0	2	Sunny	10.21	31.0	76.2	1.1	512	0	NA	NA	NA	NA
7	1	Suppy	16:23	31.6	73.0	1.9	313	0	NA	NA	NA	NA
	7 Sunny 2	Sunny	10.25	51.0	/3.0	1.9	313	1	Intermittent	Downwind	Biogas	Biogas Holder Tank Relief Valve
2	1	Sunny	16:25	31.1	73.5	0.8	325	1	Continuous	Upwind	Biogas	Biogas Holder Tank Relief Valve
2	2	Sunny	10.25	51.1	13.5	0.0		1				
3	1	Sunny	16:26	31.1	74.6	0.7	324	0		NA		NA
C	2	Sunny	10.20	J I.I	74.0	0.7		0	NA	NA	NA	
5	1	Sunny	16:28	31.0	76.4	0.0		1		NA	Grassy smell	Nearby Vegetation
5	2	Sunny					-	1	Continuous	NA		



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Location	Panellist	Weather	Time	т	RH	ws	WD (Degree)	Odour	Duration of	Direction from	On-Site	On-Site Observation	
Loca	Pane	Wea	i time	(°C)	(%)	(m/s)	w (Deg	Intensity	Odour	Source	Odour Characteristics	Potential Odour Source	
6	1	Suppy	16:30	31.8	72.8	0.0		0	NA	NA	Piogos	Biogas Holder Tank Relief	
0	6 Sunny	Sunny	10.30	21.0	12.0	0.0	-	1	Continuous	NA	Biogas	Valve	
0	9 1 2 Su	Suppy	16.20	21 7	74.2	0.5	326	0	NA	NA	NA	NA	
9		Sunny	16:32	31.7	74.2			0					
10	1	<u>Current</u>	16.25	25.6	57.2	-	_	1	Continuous	NA	Rubbish	Staircase 8	
10 2	2	- Sunny	16:35	25.6				1					

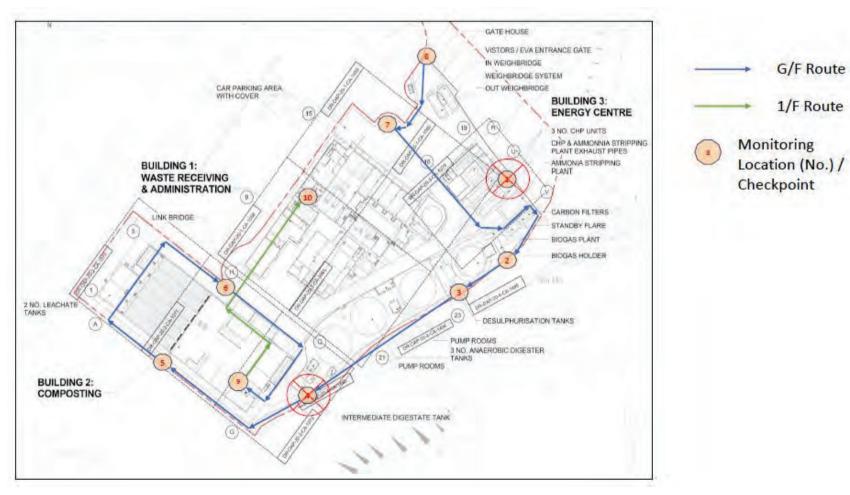
Remark:

T: Air Temperature; RH: Relative Humidity; WS: Wind Speed; WD: Wind Direction. Location 9 and 10 were added as new odour patrol points. Location 1 and 4 patrol points were removed and will not be performed.



APPENDIX 1

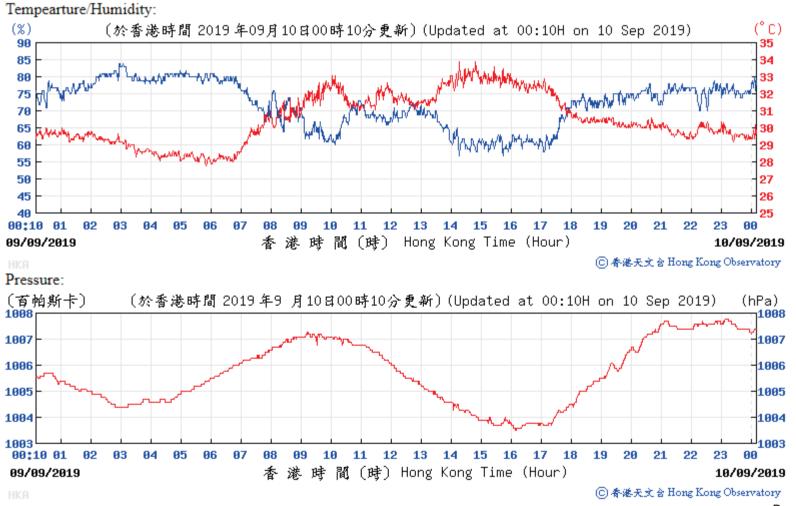
Odour Patrol Route





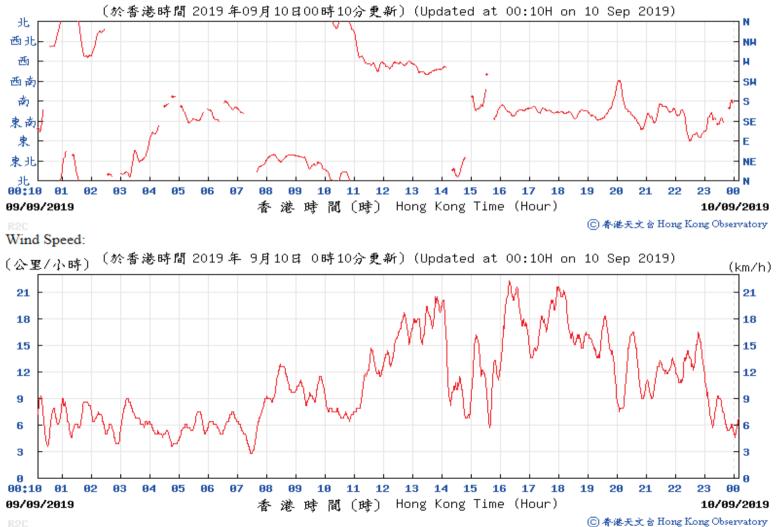
APPENDIX 2

Extract of Meteorological Observations from Hong Kong Airport Observatory Station





Wind Direction:



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APPENDIX 3

A3.1. Odour Patrol at Different Locations – Daytime



Location: 2



Location: 7



Location: 3



Location: 8



Location: 5



Location: 9



Location: 6



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A3.2. Odour Patrol at Different Locations – Evening time



Location: 2



Location: 3





Location: 9



Location: 6



Location: 10

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Location: 7

Location: 8

