Annex H

Odour Monitoring Result

Annex H1

Odour Patrol Result

6. Appendix

Organic Resources Recovery Centre (Phase 1)

Odour Patrol Record Log Sheet

Parameter	Observations
Date	3 / 9 / 2018
Start & End Time (24hr)	From 14:05 To 14:30
Type of Patrol	~~Weekly / Monthly / Ac hoc / Follow-up /~~ T&C Period Patrol
Weather Condition	Sunny / (Cloudy) / Windy / Humid / Foggy /
Temperature (℃)	29.9°C
Relative Humidity (%)	82
Monitoring Point	(1) / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / (2) / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	Hot Plastic
Possible Source of Odour	PSV of Biogas Holder
Monitoring Point	1 / 2 / (3) / 4 / 5 / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / (4) / 5 / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / (5) / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / (6) / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
~~Follow-up Actions~~ Remarks	
Centrifuge louver comes out some digestate smell.	

	EPD Representative	Employer Representative	Independent Odour Patrol Team	OSCAR Bioenergy JV
Name	Daniel Chan	Patrick Yim		Sarah Ho
Signature			N/A	Sarah
Date	3/8/2018	3/9/18.		3/9/2018

6. Appendix

Organic Resources Recovery Centre (Phase 1)

Odour Patrol Record Log Sheet

Parameter	Observations
Date	3 / 9 / 2018
Start & End Time (24hr)	From 14:05 To 14:30
Type of Patrol	~~Weekly / Monthly / Ac hoc / Follow-up~~ / T&C Period Patrol
Weather Condition	Sunny / Cloudy (circled) / Windy / Humid / Foggy /
Temperature (℃)	29.9°c
Relative Humidity (%)	82
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 (circled) / 8
Intensity of Odour	0 (circled) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8 (circled)
Intensity of Odour	0 (circled) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
~~Follow-up Actions~~ Remarks	

	EPD Representative	Employer Representative	Independent Odour Patrol Team	OSCAR Bioenergy JV
Name	Daniel Chan	Patrick Tim		Sarah Ho
Signature	(signed)	(signed)	N/A	Sarah
Date	3/8/2018	3/9/18.		3/9/2018

6. Appendix

Organic Resources Recovery Centre (Phase 1)

Odour Patrol Record Log Sheet

Parameter	Observations
Date	5/9/2018
Start & End Time (24hr)	From 14:00 To 14:27
Type of Patrol	~~Weekly~~ / ~~Monthly~~ / ~~Ad hoc~~ / ~~Follow up~~ / T&C Period Patrol
Weather Condition	(Sunny) / Cloudy / Windy / Humid / Foggy /
Temperature (℃)	32.1
Relative Humidity (%)	78
Monitoring Point	(1) / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / (2) / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	Hot Plastic
Possible Source of Odour	PSV of Biogas holder
Monitoring Point	1 / 2 / (3) / 4 / 5 / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	~~[illegible]~~
Monitoring Point	1 / 2 / 3 / (4) / 5 / 6 / 7 / 8
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	Dewater Digestate Smell / intermittent
Possible Source of Odour	Centrifuge Bld 2
Monitoring Point	1 / 2 / 3 / 4 / (5) / 6 / 7 / 8
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	Dewater Digestate Smell
Possible Source of Odour	Centrifuge Bld 2
Monitoring Point	1 / 2 / 3 / 4 / 5 / (6) / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
~~Follow-up Actions~~ Remarks	
Centrifuge lower comes out some digestate smell	

	EPD Representative	Employer Representative	Independent Odour Patrol Team	OSCAR Bioenergy JV
Name	FIONA LAM	Patrick Yu		Grace Lee
Signature	Fiona		N/A	
Date	5/9/2018	5/9/18		5/9/2018

6. Appendix

Organic Resources Recovery Centre (Phase 1)

Odour Patrol Record Log Sheet

Parameter	Observations
Date	5/9/2018
Start & End Time (24hr)	From 1400 To 1427
Type of Patrol	~~Weekly / Monthly / Ac hoc / Follow-up~~ / T&C Period Patrol
Weather Condition	(Sunny) / Cloudy / Windy / Humid / Foggy /
Temperature (℃)	32.1
Relative Humidity (%)	78
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / (7) / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / (8)
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
~~Follow-up Actions~~ Remarks	

	EPD Representative	Employer Representative	Independent Odour Patrol Team	OSCAR Bioenergy JV
Name	FIONA LAM	Patrick Yim		Gavin Lee
Signature	[signature]	[signature]	N/A	[signature]
Date	5/9/2018	5/9/18		5/9/18

6. Appendix

Organic Resources Recovery Centre (Phase 1)

Odour Patrol Record Log Sheet

Parameter	Observations
Date	7/9/2018
Start & End Time (24hr)	From 15:05 To 15:30
Type of Patrol	~~Weekly / Monthly / Ad hoc / Follow-up /~~ T&C Period Patrol
Weather Condition	Sunny / (Cloudy) / Windy / Humid / Foggy /
Temperature (℃)	33°C
Relative Humidity (%)	76%
Monitoring Point	(1) / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / (2) / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	Intermittent - Hot Plastic Smell
Possible Source of Odour	PRV at Riaga Hdeler -
Monitoring Point	1 / 2 / (3) / 4 / 5 / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / (4) / 5 / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / (5) / 6 / 7 / 8
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	Intermittent smell of digestate
Possible Source of Odour	Door at Blk 2.
Monitoring Point	1 / 2 / 3 / 4 / 5 / (6) / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
~~Follow-up Actions~~ Remarks	
Cover near coating Blk 2, digestate smell.	

	EPD Representative	Employer Representative	Independent Odour Patrol Team	OSCAR Bioenergy JV
Name	FIONA LAM	~~PETER CHAN~~		Terence CHAN
Signature			N/A	
Date	7/9/2018	7/9/18		9/9/2018

6. Appendix

Organic Resources Recovery Centre (Phase 1)

Odour Patrol Record Log Sheet

Parameter	Observations
Date	7/9/2018
Start & End Time (24hr)	From To 15:30
Type of Patrol	~~Weekly / Monthly / Ad-hoc / Follow-up~~ / T&C Period Patrol
Weather Condition	Sunny / (Cloudy) / Windy / Humid / Foggy /
Temperature (℃)	33°C
Relative Humidity (%)	76%
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / (7) / 8
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	Intermittent minor smell of sewage
Possible Source of Odour	B4 Pretreatment
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / (8)
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	

~~Follow-up Actions~~ Remarks

	EPD Representative	Employer Representative	Independent Odour Patrol Team	OSCAR Bioenergy JV
Name	FIONA LAM	PATRICK YAN		Terence CHAN
Signature	[signature]	[signature]	N/A	[signature]
Date	7/9/2018	7/9/18		7/9/2018

6. Appendix

Organic Resources Recovery Centre (Phase 1)

Odour Patrol Record Log Sheet

Parameter	Observations
Date	10/9/2018
Start & End Time (24hr)	From 16:15 To 16:36
Type of Patrol	Weekly / Monthly / Ad hoc / Follow-up /
Weather Condition	Sunny / Cloudy / Windy / Humid / Foggy /
Temperature (℃)	28.7
Relative Humidity (%)	77.9
Monitoring Point	(1) / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	Grassy
Possible Source of Odour	Grass & Tree
Monitoring Point	1 / (2) / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / (3) / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4 P1 : 0
Characteristic of Odour	P2 : 1 Grassy
Possible Source of Odour	Grass & Tree
Monitoring Point	1 / 2 / 3 / (4) / 5 / 6 / 7 / 8
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	Concrete & refuse
Possible Source of Odour	Waste container, construction waste
Monitoring Point	1 / 2 / 3 / 4 / (5) / 6 / 7 / 8
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	Musty of construction material
Possible Source of Odour	Construction material
Monitoring Point	1 / 2 / 3 / 4 / 5 / (6) / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
~~**Follow-up Actions**~~ Remark	
Refer to the attachment for the monitoring point.	

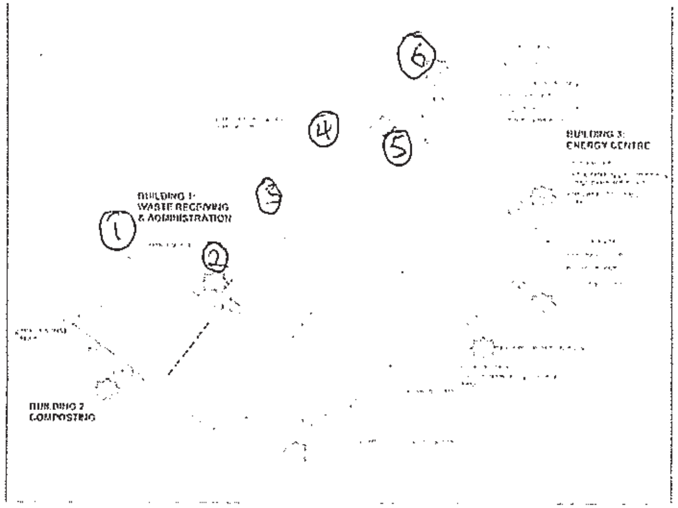
	EPD Representative	Employer Representative	Independent Odour Patrol Team	OSCAR Bioenergy JV
Name	Daniel Choi	Patrick Lam	Pan Yuen / Allen Pan	Sarah HO
Signature				Sarah
Date	10/9/2018	10/9/18	10/9/2018	10/9/2018

Odour Patrol Survey

Date: 10-9-18   Weather: Sunny / Fine / Cloudy / Rainy (circled: Cloudy)   ALS Work Order:

No.	Location ID	Time	Temp (°C)	RH (%)	Wind Speed (m/s)	Wind Direction	Odour Intensity	Odour Characteristics	Potential Odour Source	Duration	Direction from the Odour Source
-	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]
1		16:15	28.7	77.9	0.8	309	P1: 0 / (1) / 2 / 3 / 4 P2: 0 / (1) / 2 / 3 / 4	Grassy	Grass & tree	(Intermittent) / Continuous	(Downwind) / Upwind / Sidewind
2		16:19	29.2	77.4	0.9	324	P1: (0) / 1 / 2 / 3 / 4 P2: (0) / 1 / 2 / 3 / 4			Intermittent / Continuous	Downwind / Upwind / Sidewind
3		16:22	28.9	77.4	0	NA	P1: (0) / 1 / 2 / 3 / 4 P2: 0 / (1) / 2 / 3 / 4	Grassy	Grass & Other	(Intermittent) / Continuous	Downwind / Upwind / Sidewind
4		16:25	28.9	75.4	1.1	253	P1: 0 / (1) / 2 / 3 / 4 P2: 0 / (1) / 2 / 3 / 4	concrete & refuse	Waste Container, construction waste	(Intermittent) / Continuous	(Downwind) / Upwind / Sidewind
5		16:30	28.9	81.6	0	NA	P1: 0 / (1) / 2 / 3 / 4 P2: 0 / (1) / 2 / 3 / 4	Musty of Construction Material		(Intermittent) / Continuous	Downwind / Upwind / Sidewind
6		16:36	29.1	76.8	0	NA	P1: (0) / 1 / 2 / 3 / 4 P2: (0) / 1 / 2 / 3 / 4			Intermittent / Continuous	Downwind / Upwind / Sidewind
7							P1: 0 / 1 / 2 / 3 / 4 P2: 0 / 1 / 2 / 3 / 4			Intermittent / Continuous	Downwind / Upwind / Sidewind
8							P1: 0 / 1 / 2 / 3 / 4 P2: 0 / 1 / 2 / 3 / 4			Intermittent / Continuous	Downwind / Upwind / Sidewind
							P1: 0 / 1 / 2 / 3 / 4 P2: 0 / 1 / 2 / 3 / 4			Intermittent / Continuous	Downwind / Upwind / Sidewind
							P1: 0 / 1 / 2 / 3 / 4 P2: 0 / 1 / 2 / 3 / 4			Intermittent / Continuous	Downwind / Upwind / Sidewind

Location Plan:



Proposed Patrol Route

Possible Odour Sources (No.) / Checkpoint

Assumed Odour Potential (normal operation)

Remark for Odour Intensity:

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

Odour Patrol Team:

ALS Representative	[signature]	( )

P1. Allen Poon

P2. Pan Yuen

6. Appendix

Organic Resources Recovery Centre (Phase 1)

Odour Patrol Record Log Sheet

Parameter	Observations
Date	12 / 9 / 2018
Start & End Time (24hr)	From 14:05 To 14:37
Type of Patrol	~~Weekly / Monthly / Ad-hoc / Follow-up /~~ T&C Period Patrol
Weather Condition	Sunny / (Cloudy) / Windy / Humid / Foggy /
Temperature (℃)	28.9
Relative Humidity (%)	65
Monitoring Point	(1) / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / (2) / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	Hot Plastic
Possible Source of Odour	PSV of Biogas Holder
Monitoring Point	1 / 2 / (3) / 4 / 5 / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / (4) / 5 / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / (5) / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / (6) / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
~~Follow-up Actions~~ Remarks	
In front of the lift lobby with smell of pre-treatment, hot plastic, [redacted] musty.	

	EPD Representative	Employer Representative	Independent Odour Patrol Team	OSCAR Bioenergy JV
Name	FIONA LAM	Patrick Jim		Sarah HO
Signature	FIONA	P	N/A	Sarah.
Date	12/9/2018	12/9/18		12/9/2018

6. Appendix

Organic Resources Recovery Centre (Phase 1)

Odour Patrol Record Log Sheet

Parameter	Observations
Date	12 / 9 / 2018
Start & End Time (24hr)	From 14:05 To 14:37
Type of Patrol	~~Weekly / Monthly / Ac hoc / Follow-up~~ / T&C Period Patrol
Weather Condition	Sunny / Cloudy / Windy / Humid / Foggy /
Temperature (℃)	28.9
Relative Humidity (%)	65
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
~~Follow-up Actions~~ Remarks	

	EPD Representative	Employer Representative	Independent Odour Patrol Team	OSCAR Bioenergy JV
Name	FIONA LAM	Dominic Yan		Sarah Ho
Signature	Fion	[signature]	N/A	Sarah
Date	12/9/2018	12/9/18		12/9/2018

6. Appendix

Organic Resources Recovery Centre (Phase 1)

Odour Patrol Record Log Sheet

Parameter	Observations
Date	14 / 9 / 2018
Start & End Time (24hr)	From 15:00 To 15:18
Type of Patrol	~~Weekly / Monthly / Ad hoc / Follow-up~~ / T&C Period Patrol
Weather Condition	(Sunny) / Cloudy / Windy / Humid / Foggy /
Temperature (℃)	29.7
Relative Humidity (%)	71
Monitoring Point	(1) / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / (2) / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	Hot Plastic
Possible Source of Odour	PSV of Biogas Holder
Monitoring Point	1 / 2 / (3) / 4 / 5 / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / (4) / 5 / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / (5) / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / (6) / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
~~Follow-up Actions~~ Remark	

	EPD Representative	Employer Representative	Independent Odour Patrol Team	OSCAR Bioenergy JV
Name	Terence Ng	Patrick Lam		Sarah Ho
Signature			NA	Sarah.
Date	14/9/2018	14/9/18		14/9/2018

6. Appendix

Organic Resources Recovery Centre (Phase 1)

Odour Patrol Record Log Sheet

Parameter	Observations
Date	14 / 9 / 2018
Start & End Time (24hr)	From 15:00 To 15:18
Type of Patrol	~~Weekly / Monthly / Ac hoc / Follow-up~~ / T&C Period Patrol
Weather Condition	Sunny / Cloudy / Windy / Humid / Foggy /
Temperature (℃)	29.7
Relative Humidity (%)	71
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / (7) / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / (8)
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
~~Follow-up Actions~~ Remark	

	EPD Representative	Employer Representative	Independent Odour Patrol Team	OSCAR Bioenergy JV
Name	Teresa Ng	[illegible]		Sarah Ho
Signature	[signature]	[signature]	NA	[signature]
Date	14 / 9 / 2018	14/9/18.		14/9/2018

6. Appendix

Organic Resources Recovery Centre (Phase 1)

Odour Patrol Record Log Sheet

Parameter	Observations
Date	17 / 9 / 2018
Start & End Time (24hr)	From 15:00 To 15:22
Type of Patrol	~~Weekly / Monthly / Ad hoc / Follow-up /~~ T&C Period Patrol
Weather Condition	Sunny / (Cloudy) / Windy / Humid / Foggy /
Temperature (℃)	27.1
Relative Humidity (%)	82
Monitoring Point	(1) / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / (2) / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	Hot Plastic
Possible Source of Odour	PSV of Biogas Holder
Monitoring Point	1 / 2 / (3) / 4 / 5 / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / (4) / 5 / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / (5) / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / (6) / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
~~Follow-up Actions~~ Remark	

	EPD Representative	Employer Representative	Independent Odour Patrol Team	OSCAR Bioenergy JV
Name	Daniel Choi	Derek Yim		Sarah Ho
Signature			NA	Sarah
Date	17/9/2018	17/9/18.		17/9/2018

6. Appendix

Organic Resources Recovery Centre (Phase 1)

Odour Patrol Record Log Sheet

Parameter	Observations
Date	17 / 9 / 2018
Start & End Time (24hr)	From 15:00 To 15:22
Type of Patrol	~~Weekly / Monthly / Ac hoc / Follow-up~~ / T&C Period Patrol
Weather Condition	Sunny / (Cloudy) / Windy / Humid / Foggy /
Temperature (℃)	27.1
Relative Humidity (%)	82
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / (7) / 8
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	SSOW Smell
Possible Source of Odour	Pre-treatment Skip area
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / (8)
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	

~~Follow-up Actions~~ Remark

Point 7: front roller shutter door is broken due to super typhoon "山竹".

	EPD Representative	Employer Representative	Independent Odour Patrol Team	OSCAR Bioenergy JV
Name	Dancl Chai	Patrick Yu		Sarah HO
Signature	[signature]	[signature]	NA	Sarah
Date	17/9/2018	17/9/18		17/9/2018

6. Appendix

Organic Resources Recovery Centre (Phase 1)

Odour Patrol Record Log Sheet

Parameter	Observations
Date	19 / 9 / 2018
Start & End Time (24hr)	From 14:00 To 14:24
Type of Patrol	~~Weekly / Monthly / Ad-hoc / Follow-up~~ / T&C Period Patrol
Weather Condition	(Sunny) / Cloudy / Windy / Humid / Foggy /
Temperature (℃)	29.5
Relative Humidity (%)	73
Monitoring Point	(1) / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / (2) / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	Hot Plastic
Possible Source of Odour	PSV of Biogas Holder
Monitoring Point	1 / 2 / (3) / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	H_2S
Possible Source of Odour	Near to the Biogas Holder
Monitoring Point	1 / 2 / 3 / (4) / 5 / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / (5) / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / (6) / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
~~**Follow-up Actions**~~ Remark	

	EPD Representative	Employer Representative	Independent Odour Patrol Team	OSCAR Bioenergy JV
Name	Tess CHAN	Patrick Yam		Sarah Ho
Signature	Tess	X	NA	Sarah.
Date	19 Sept 2018	19/09/18.		19/9/2018

6. Appendix

Organic Resources Recovery Centre (Phase 1)

Odour Patrol Record Log Sheet

Parameter	Observations
Date	19 / 9 / 2018
Start & End Time (24hr)	From 14:00 To 14:24
Type of Patrol	~~Weekly / Monthly / Ac hoc / Follow-up~~ / T&C Period Patrol
Weather Condition	(Sunny) / Cloudy / Windy / Humid / Foggy /
Temperature (℃)	29.5
Relative Humidity (%)	73
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / (7) / 8
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	SSOW smell
Possible Source of Odour	Pre-treatment skip area
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / (8)
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	

~~Follow-up Actions~~ Remark

Lobby's SSOW smell is a bit strong.

	EPD Representative	Employer Representative	Independent Odour Patrol Team	OSCAR Bioenergy JV
Name	Tess CHAN	Patrick Yim		Sarah Ho
Signature	Tess	[signature]	NA	Sarah.
Date	19 Sept 2018	19/09/18.		19/9/2018

6. Appendix

Organic Resources Recovery Centre (Phase 1)

Odour Patrol Record Log Sheet

Parameter	Observations
Date	21 / 9 / 2018
Start & End Time (24hr)	From 13:36 To 14:00
Type of Patrol	~~Weekly / Monthly / Ad-hoc / Follow-up~~ / T&C Period Patrol
Weather Condition	Sunny / Cloudy / Windy / Humid / Foggy /
Temperature (℃)	30.8
Relative Humidity (%)	62
Monitoring Point	(1) / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	SSOW smell
Possible Source of Odour	Pre-treatment skip area (dumped door at Bay 1)
Monitoring Point	1 / (2) / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	Mixture smell
Possible Source of Odour	PSV of Biogas Holder
Monitoring Point	1 / 2 / (3) / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	SSOW smell
Possible Source of Odour	Pre-treatment
Monitoring Point	1 / 2 / 3 / (4) / 5 / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / (5) / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / (6) / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
~~Follow-up Actions~~ Remark	

	EPD Representative	Employer Representative	Independent Odour Patrol Team	OSCAR Bioenergy JV
Name	Daniel Chu	Patrick Jun		Sarah Ho
Signature			NA	Sarah
Date	21/9/2018	21/9/18		21/9/2018

6. Appendix

Organic Resources Recovery Centre (Phase 1)

Odour Patrol Record Log Sheet

Parameter	Observations
Date	21 / 9 / 2018
Start & End Time (24hr)	From 13:36 To 14:00
Type of Patrol	~~Weekly / Monthly / Ac hoc / Follow-up~~ / T&C Period Patrol
Weather Condition	(Sunny) / Cloudy / Windy / Humid / Foggy /
Temperature (℃)	30.8
Relative Humidity (%)	62
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / (7) / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / (8)
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
~~Follow-up Actions~~ Remark	
Lobby's has a bit SSOW smell.	

	EPD Representative	Employer Representative	Independent Odour Patrol Team	OSCAR Bioenergy JV
Name	Daniel Choi	Patrick Yin		Sarah Ho
Signature	[signature]	[signature]	NA	Sarah
Date	21/9/2018	21/9/18.		21/9/2018

6. Appendix

Organic Resources Recovery Centre (Phase 1)

Odour Patrol Record Log Sheet

Parameter	Observations
Date	24 / 9 / 2018
Start & End Time (24hr)	From 14:30 To 14:51
Type of Patrol	~~Weekly / Monthly / Ad hoc / Follow-up~~ / T&C Period Patrol
Weather Condition	Sunny / (Cloudy) / Windy / Humid / Foggy /
Temperature (℃)	28.3
Relative Humidity (%)	76
Monitoring Point	(1) / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / (2) / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	Hot Plastic Smell
Possible Source of Odour	PSU of Biogas Holder
Monitoring Point	1 / 2 / (3) / 4 / 5 / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / (4) / 5 / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / (5) / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / (6) / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
~~**Follow-up Actions**~~ Remark	

	EPD Representative	Employer Representative	Independent Odour Patrol Team	OSCAR Bioenergy JV
Name	FIONA LAM	Patrick Yam		Sarah HO
Signature	Fiona	P	NA	Sarah
Date	24/9/2018	24/9/18.		24/9/2018

6. Appendix

Organic Resources Recovery Centre (Phase 1)

Odour Patrol Record Log Sheet

Parameter	Observations
Date	24/9/2018
Start & End Time (24hr)	From 14:30 To 14:57
Type of Patrol	~~Weekly / Monthly / Ac hoc / Follow-up~~ / T&C Period Patrol
Weather Condition	Sunny / (Cloudy) / Windy / Humid / Foggy /
Temperature (℃)	28.3
Relative Humidity (%)	76
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / (7) / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / (8)
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	

~~Follow-up Actions~~ Remark

Lobby has a bit mixture smell (food waste, hot plastic).

	EPD Representative	Employer Representative	Independent Odour Patrol Team	OSCAR Bioenergy JV
Name	FIONA LAM	Patrick Yau		Sarah HO
Signature	Fiona	[signature]	NA	Sarah
Date	24/9/2018	24/9/18		24/9/2018

6. Appendix

Organic Resources Recovery Centre (Phase 1)

Odour Patrol Record Log Sheet

Parameter	Observations
Date	26 / 9 / 2018
Start & End Time (24hr)	From 14:00 To 14:38
Type of Patrol	~~Weekly / Monthly / Ad hoc / Follow-up~~ T&C Period Patrol
Weather Condition	(Sunny) / Cloudy / Windy / Humid / Foggy /
Temperature (℃)	30.7
Relative Humidity (%)	66
Monitoring Point	(1) / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / (2) / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	Hot Plastic (Intermittent)
Possible Source of Odour	PSV of Biogas Holder
Monitoring Point	1 / 2 / (3) / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	Hot Plastic
Possible Source of Odour	Near to Biogas Holder (Slight)
Monitoring Point	1 / 2 / 3 / (4) / 5 / 6 / 7 / 8
Intensity of Odour	Sarah (0) / (1) / 2 / 3 / 4
Characteristic of Odour	Digestate
Possible Source of Odour	Centrifuge louver
Monitoring Point	1 / 2 / 3 / 4 / (5) / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / (6) / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
~~**Follow-up Actions**~~ Remark	

	EPD Representative	Employer Representative	Independent Odour Patrol Team	OSCAR Bioenergy JV
Name	FIONA LAM	Patrick Jm		Sarah Ho
Signature	Fiol		NA	Sarah
Date	26/9/2018	26/9/18		26/9/2018

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6. Appendix

Organic Resources Recovery Centre (Phase 1)

Odour Patrol Record Log Sheet

Parameter	Observations
Date	26 / 9 / 2018
Start & End Time (24hr)	From 14:00 To 14:38
Type of Patrol	~~Weekly / Monthly / Ac hoc / Follow-up /~~ T&C Period Patrol
Weather Condition	Sunny (circled) / Cloudy / Windy / Humid / Foggy /
Temperature (℃)	30.7
Relative Humidity (%)	66
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 (circled) / 8
Intensity of Odour	0 / 1 (circled) / 2 / 3 / 4
Characteristic of Odour	Rubbish smell
Possible Source of Odour	Near to Pre-treatment area
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8 (circled)
Intensity of Odour	0 (circled) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
~~Follow-up Actions~~ Remark	

	EPD Representative	Employer Representative	Independent Odour Patrol Team	OSCAR Bioenergy JV
Name	FIONA LAM	Patrick Lam		Sarah Ho
Signature	Fal	(signature)	NA	Sarah
Date	26/9/2018	26/9/18		26/9/2018

6. Appendix

Organic Resources Recovery Centre (Phase 1)

Odour Patrol Record Log Sheet

Parameter	Observations
Date	28 / 9 / 2018
Start & End Time (24hr)	From 10:02 To 10:18
Type of Patrol	Weekly / (Monthly) / Ac hoc / Follow-up /
Weather Condition	(Sunny) / Cloudy / Windy / Humid / Foggy /
Temperature (℃)	29.6
Relative Humidity (%)	57
Monitoring Point	(1) / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / (2) / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	Plastic
Possible Source of Odour	Biogas Holder
Monitoring Point	1 / 2 / (3) / 4 / 5 / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / (4) / 5 / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / (5) / 6 / 7 / 8
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	Grass
Possible Source of Odour	Grass
Monitoring Point	1 / 2 / 3 / 4 / 5 / (6) / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
~~**Follow-up Actions**~~ Remark	

	EPD Representative	Employer Representative	Independent Odour Patrol Team	OSCAR Bioenergy JV
Name	Teresa Ng	Patrick Yim	Edwin Wong Ho Tsz kin	Sarah Ho
Signature				Sarah
Date	28/9/2018	28/9/18.	28/9/18	28/9/2018

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6. Appendix

Organic Resources Recovery Centre (Phase 1)

Odour Patrol Record Log Sheet

Parameter	Observations
Date	28 / 9 / 2018
Start & End Time (24hr)	From 10:02 To 10:18
Type of Patrol	Weekly (Monthly) / Ac hoc / Follow-up /
Weather Condition	(Sunny) / Cloudy / Windy / Humid / Foggy /
Temperature (℃)	29.6
Relative Humidity (%)	57
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / (7) / 8
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	Garbage
Possible Source of Odour	Rubbish Truck
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / (8)
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
~~Follow-up Actions~~ Remark	

	EPD Representative	Employer Representative	Independent Odour Patrol Team	OSCAR Bioenergy JV
Name	Teresa Ng	Patrick Lam	Edwin Wong Ho Ka King	Sarah Ho
Signature	[signature]	[signature]	[signature] [signature]	Sarah
Date	28 / 9 / 2018	28/9/18	28/9/18	28/9/2018

6. Appendix

Organic Resources Recovery Centre (Phase 1)

Odour Patrol Record Log Sheet

Parameter	Observations
Date	28 September 2018
Start & End Time (24hr)	From 17:57 To 18:11
Type of Patrol	Weekly / (Monthly) / Ac hoc / Follow-up / Evening
Weather Condition	(Sunny) / Cloudy / Windy / Humid / Foggy /
Temperature (℃)	~29°C
Relative Humidity (%)	~60%
Monitoring Point	(1) / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	~~0 / 1 / 2 / 3 / 4~~ 0.87
Characteristic of Odour	較低
Possible Source of Odour	
Monitoring Point	1 / (2) / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	Plastic
Possible Source of Odour	Bags holder
Monitoring Point	1 / 2 / (3) / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	Garbage
Possible Source of Odour	Rubbish storage area
Monitoring Point	1 / 2 / 3 / (4) / 5 / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / (5) / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / (6) / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	

~~Follow-up Actions~~ Remark

This is a copy record only and shall refer to ALS report.

	EPD Representative	Employer Representative	Independent Odour Patrol Team	OSCAR Bioenergy JV
Name	FIONA LAM	Patrick Yam	Edwin Wong / Ho Tsz Ka	Terence CHAN
Signature	[signature]	[signature]	[signature]	[signature]
Date	28/9/2018	28/9/18	28/9/18	28/9/2018

6. Appendix

Organic Resources Recovery Centre (Phase 1)

Odour Patrol Record Log Sheet

Parameter	Observations
Date	28 September 2018
Start & End Time (24hr)	From 17:57 To 18:11
Type of Patrol	Weekly / Monthly / Ac hoc / Follow-up / Evening
Weather Condition	Sunny / Cloudy / Windy / Humid / Foggy /
Temperature (℃)	~29°C
Relative Humidity (%)	~60%
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	~~0 / 1 / 2 / 3 / 4~~ 0 & 1
Characteristic of Odour	Garbage
Possible Source of Odour	Rubbish Truck
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	~~0 / 1 / 2 / 3 / 4~~ 0 & 1
Characteristic of Odour	Garbage
Possible Source of Odour	Rubbish Truck
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	

~~Follow-up Actions~~ Remark

This is a copy record only and shall refer to ALS Report.

	EPD Representative	Employer Representative	Independent Odour Patrol Team	OSCAR Bioenergy JV
Name	FIONA LAM	Patrick Yim	Gideon Wong / Ho Ta Lin	Terence CHAN
Signature	[signature]	[signature]	[signature]	[signature]
Date	28/9/2018	28/9/18	28/9/18	28/9/2018

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 E +852 2610 2021

CERTIFICATE OF ANALYSIS

CLIENT:	Oscar Bioenergy Joint Venture	WORK ORDER:	HK1847225
CONTACT:	Edwin Wong		
ADDRESS:	No. 5, Sham Fung Road, Siu Ho Wan, North Lantau Island, NT, Hong Kong	LABORATORY:	Hong Kong
		SUB-BATCH:	0
		DATE OF PATROL:	31 August 2018
		DATE OF ISSUE:	18 September 2018
PROJECT:	Odour Patrol for the Organic Resources Recovery Centre Phase 1 in Siu Ho Wan		
SITE:	Organic Resources Recovery Centre Phase 1 (ORRC1)		

COMMENTS

Date of Odour Patrol: 31 August 2018.
Odour Patrols were conducted by ALS Technichem (HK) Pty Ltd staff during 10:22 - 10:41 and 18:01 - 18:19.

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.

Richard Fung
General Manager - Hong Kong

1. Summary of Work

The odour patrol was conducted during daytime and evening / night 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.

Two odour patrol team members from ALS Technichem (HK) Pty Ltd were sent to conduct the patrol work during each session. All members are free from any respiratory diseases during patrol day. None of the members has been working or living in the area in the vicinity of the inspection area.

The odour patrol was conducted during daytime and evening / night time.

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 are 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 is 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
1	1	Cloudy	10:22	28.1	77.8	0.0	NA	0	NA	NA	NA	NA
	2							0				
2	1	Cloudy	10:26	28.4	84.4	0.0	NA	1	Intermittent	NA	Plastic	Biogas Holder Tank Relief Valve
	2							1	Intermittent	NA	Plastic	Biogas Holder Tank Relief Valve
3	1	Cloudy	10:28	28.4	89.7	1.2	000	0	NA	NA	NA	NA
	2							0				
4	1	Cloudy	10:31	29.0	85.1	0.1	297	0	NA	NA	NA	NA
	2							0				
5	1	Cloudy	10:33	28.7	86.0	0.0	NA	0	NA	NA	NA	NA
	2							0				

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	10:36	28.8	84.1	1.6	015	0	NA	NA	NA	NA
	2							0				
7	1	Cloudy	10:39	29.0	88.7	1.6	001	0	NA	NA	NA	NA
	2							0				
8	1	Cloudy	10:41	29.0	84.3	1.2	027	0	NA	NA	NA	NA
	2							0				

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

3.2. Evening / Night 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
1	1	Cloudy	18:01	27.8	82.4	0.0	NA	0	NA	NA	NA	NA
	2							0				
2	1	Cloudy	18:04	27.7	90.9	0.0	NA	1	Intermittent	NA	Plastic	Biogas Holder Tank Relief Valve
	2							1	Intermittent	NA	Plastic	Biogas Holder Tank Relief Valve
3	1	Cloudy	18:06	27.5	94.0	0.0	NA	0	NA	NA	NA	NA
	2							0				
4	1	Cloudy	18:08	27.9	90.7	0.0	NA	0	NA	NA	NA	NA
	2							0				
5	1	Cloudy	18:10	28.0	91.9	0.0	NA	0	NA	NA	NA	NA
	2							1	Continuous	NA	Grassy	The vegetation along the boundary.

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	18:14	28.1	90.8	0.0	NA	0	NA	NA	NA	NA
	2							0				
7	1	Cloudy	18:17	28.4	90.0	0.0	NA	0	NA	NA	NA	NA
	2							0				
8	1	Cloudy	18:19	28.3	90.1	0.7	250	0	NA	NA	NA	NA
	2							0				

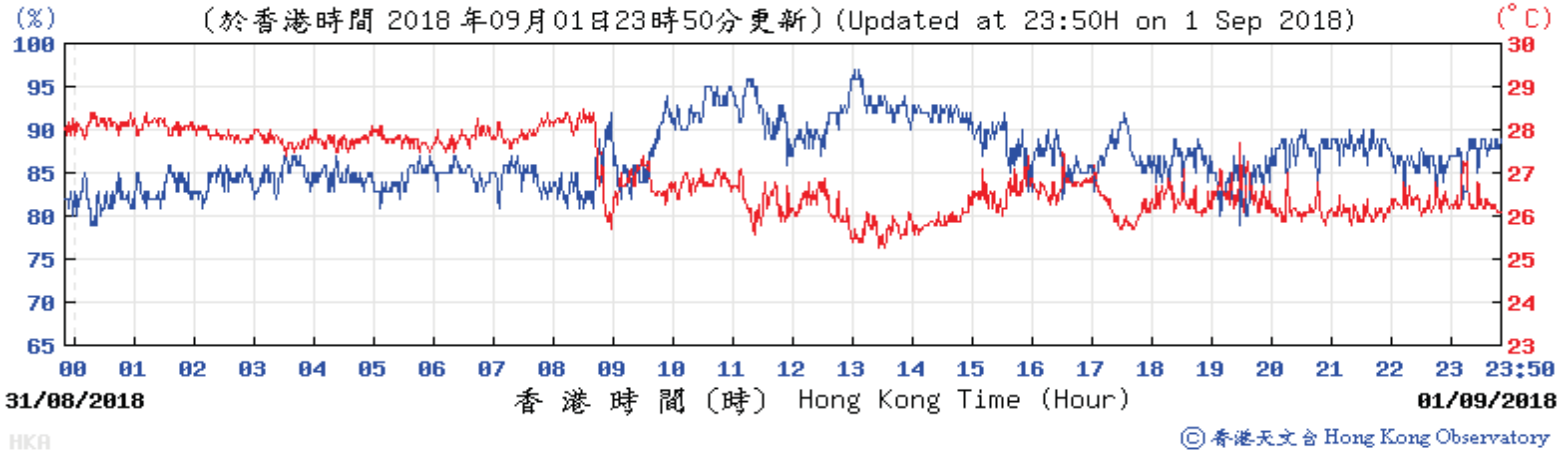
Remark:
T: Air Temperature;
RH: Relative Humidity;
WD: Wind Direction;
WS: Wind Speed.

APPENDIX 1
Odour Patrol Route

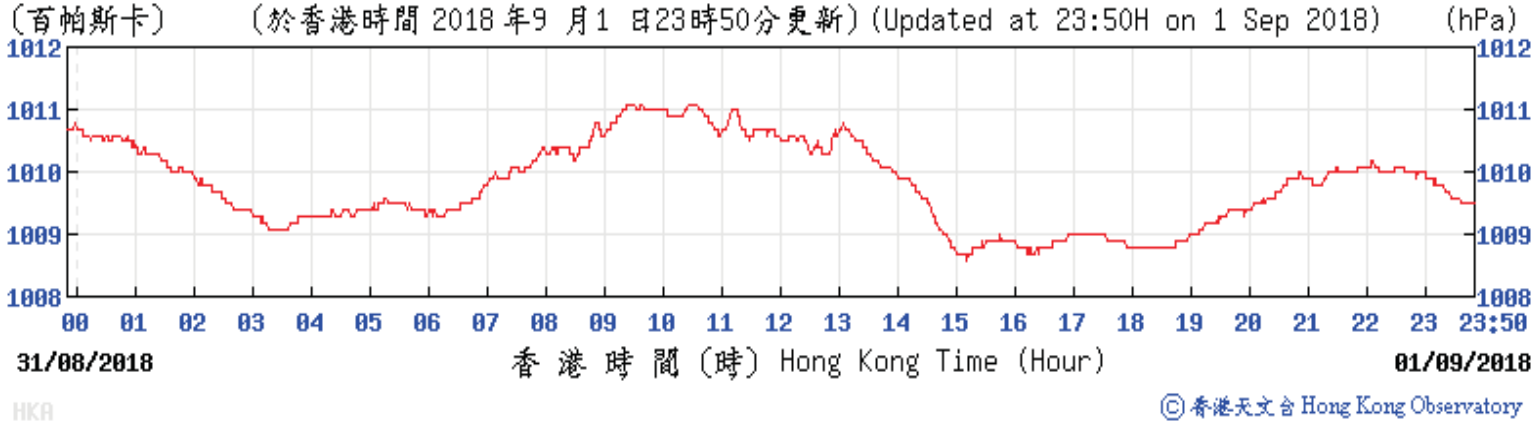
APPENDIX 2

Extract Of Meteorological Observations From Hong Kong Airport Observatory Station

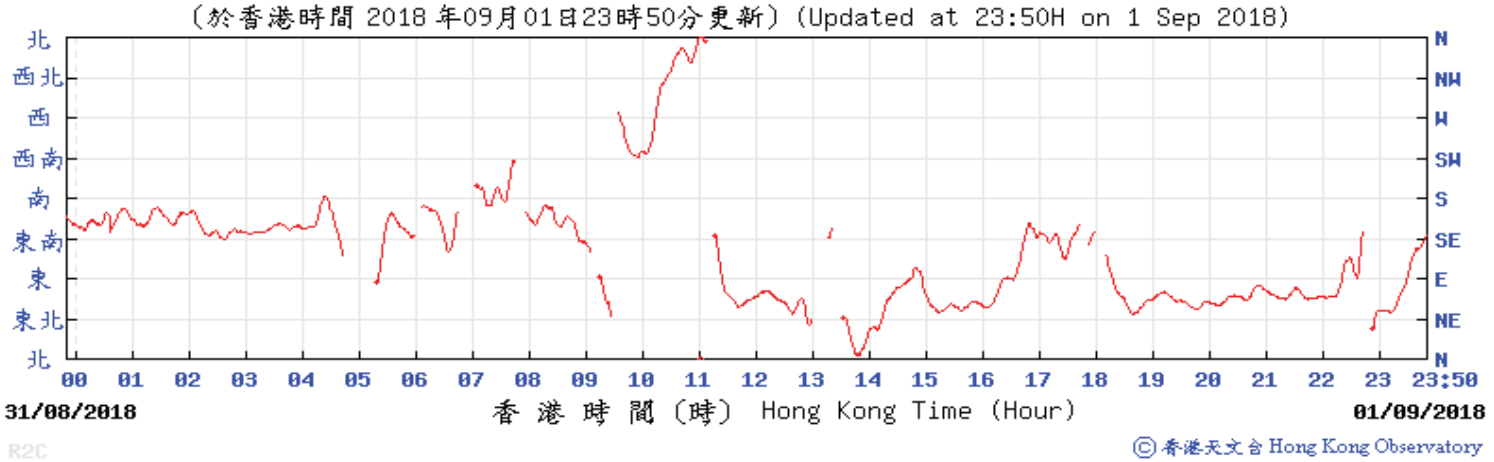
Tempearture/Humidity:



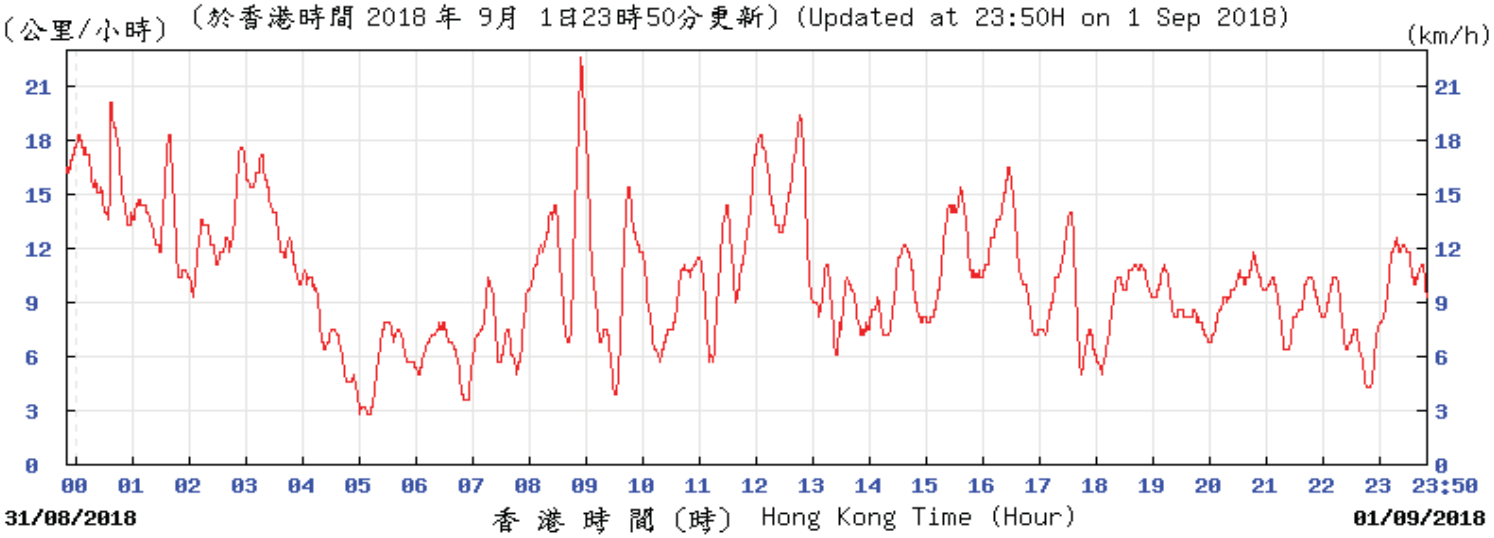
Pressure:



Wind Direction:



Wind Speed:



APPENDIX 3

A3.1. Odour Patrol at Different Locations – Daytime

Location: 1

Location: 2

Location: 3

Location: 4

Location: 5

Location: 6

Location: 7

Location: 8

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

Location: 1

Location: 2

Location: 3

Location: 4

Location: 5

Location: 6

Location: 7

Location: 8

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 E +852 2610 2021

CERTIFICATE OF ANALYSIS

CLIENT:	Oscar Bioenergy Joint Venture	WORK ORDER:	HK1849200
CONTACT:	Edwin Wong		
ADDRESS:	No. 5, Sham Fung Road, Siu Ho Wan, North Lantau Island, NT, Hong Kong	LABORATORY:	Hong Kong
		SUB-BATCH:	0
		DATE OF PATROL:	10 September 2018
		DATE OF ISSUE:	18 September 2018
PROJECT:	Ad Hoc Odour Patrol for the Organic Resources Recovery Centre Phase 1 in Siu Ho Wan		
SITE:	Organic Resources Recovery Centre Phase 1 (ORRC1)		

COMMENTS

Ad hoc Odour Patrol was conducted by ALS Technichem (HK) Pty Ltd staff during 16:15 - 16:38 on 10th September 2018.

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.

Richard Fung
General Manager - Hong Kong

1. Summary of Work

Ad hoc odour patrol service was conducted on 10th September 2018.

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.

Two odour patrol team members from ALS Technichem (HK) Pty Ltd were conducted the ad hoc patrol work and the patrol route was guided by the client. All members were free from any respiratory diseases during patrol day. None of the members has been working or living in the area in the vicinity of the inspection area.

The patrol team was required to move slowly from one to the other monitoring locations and used 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 ad hoc odour patrol locations were shown in Appendix 1.

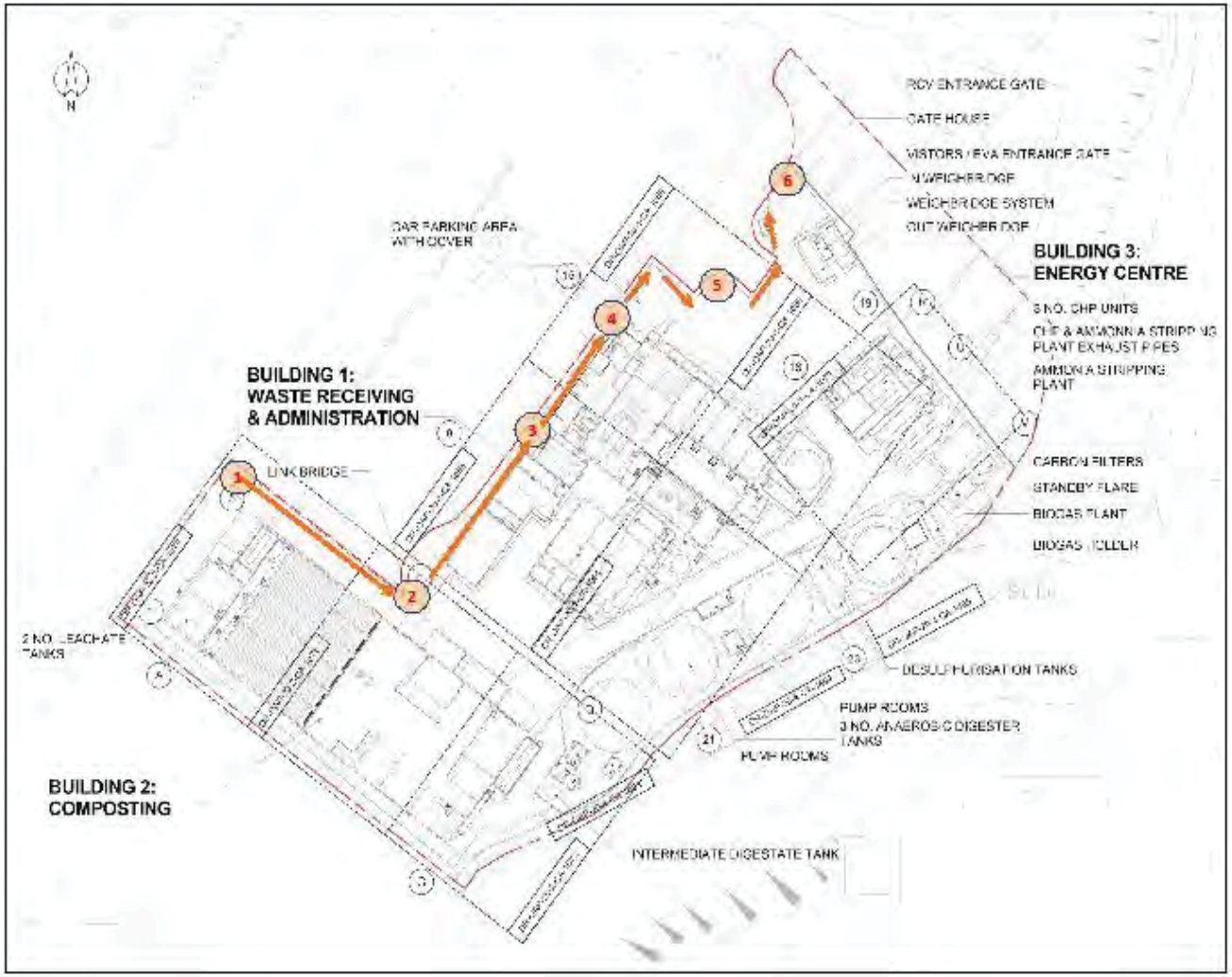
3. Result:

Location	Panellist	Weather	Time	T (°C)	RH (%)	WS (m/s)	WD (Deg)	Odour Intensity	Duration of Odour	Direction from Source	On-Site Observation	
											Odour Characteristics	Potential Odour Source
1	1	Cloudy	16:15	28.7	77.9	0.8	309	1	Intermittent	Downwind	Grassy	Trees and grass
	2							1				
2	1	Cloudy	16:19	29.2	77.4	0.9	324	0	NA	NA	NA	NA
	2							0				
3	1	Cloudy	16:22	28.9	77.4	0.0	NA	0	NA	NA	Grassy	Trees and grass
	2							1	Intermittent			
4	1	Cloudy	16:25	28.9	75.4	1.1	253	1	Intermittent	Downwind	Smell of concrete and garbage	Construction waste container
	2							1				
5	1	Cloudy	16:30	28.9	81.6	0.0	NA	1	Intermittent	NA	Musty smell of construction material	Construction material storage zone
	2							1				
6	1	Cloudy	16:36	29.1	76.8	0.0	NA	0	NA	NA	NA	NA
	2							0				

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

APPENDIX 1

Ad hoc Odour Patrol Route



Proposed Patrol Route

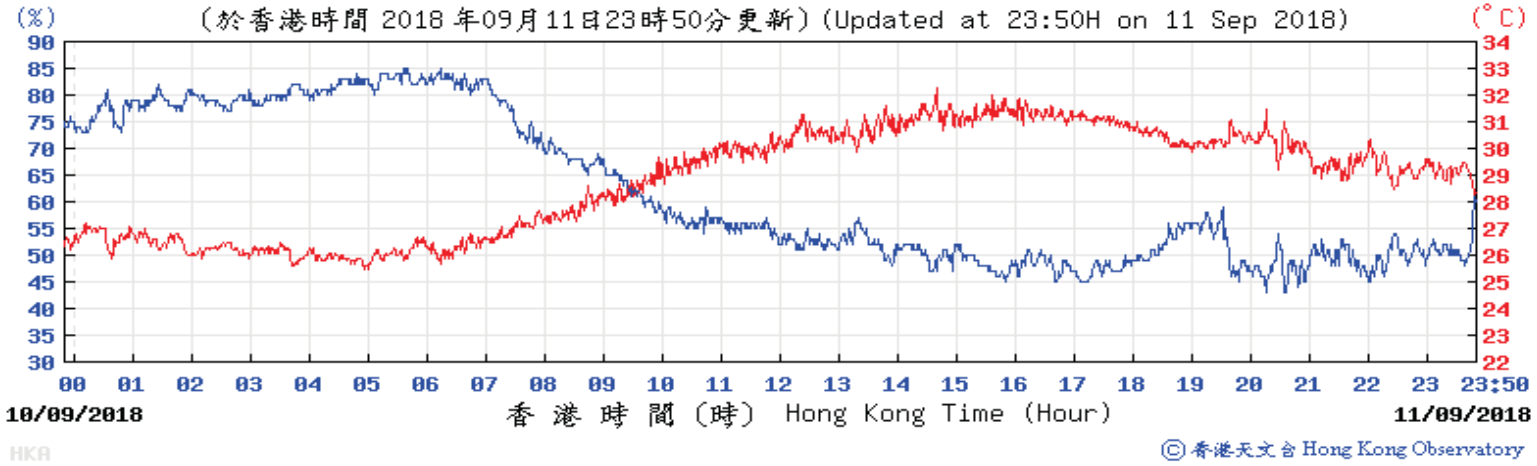
10 Possible Odour Sources (No.) / Checkpoint

1 Estimated Odour Intensity
From 1 (min.) to 3 (max.)

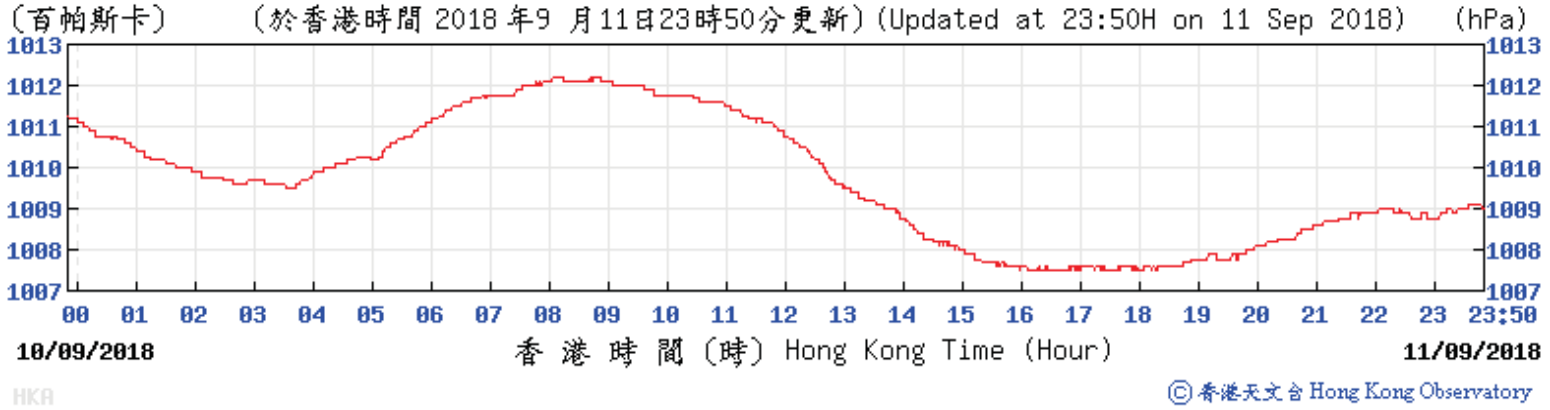
APPENDIX 2

Extract of Meteorological Observations from the Hong Kong Airport Observatory Station

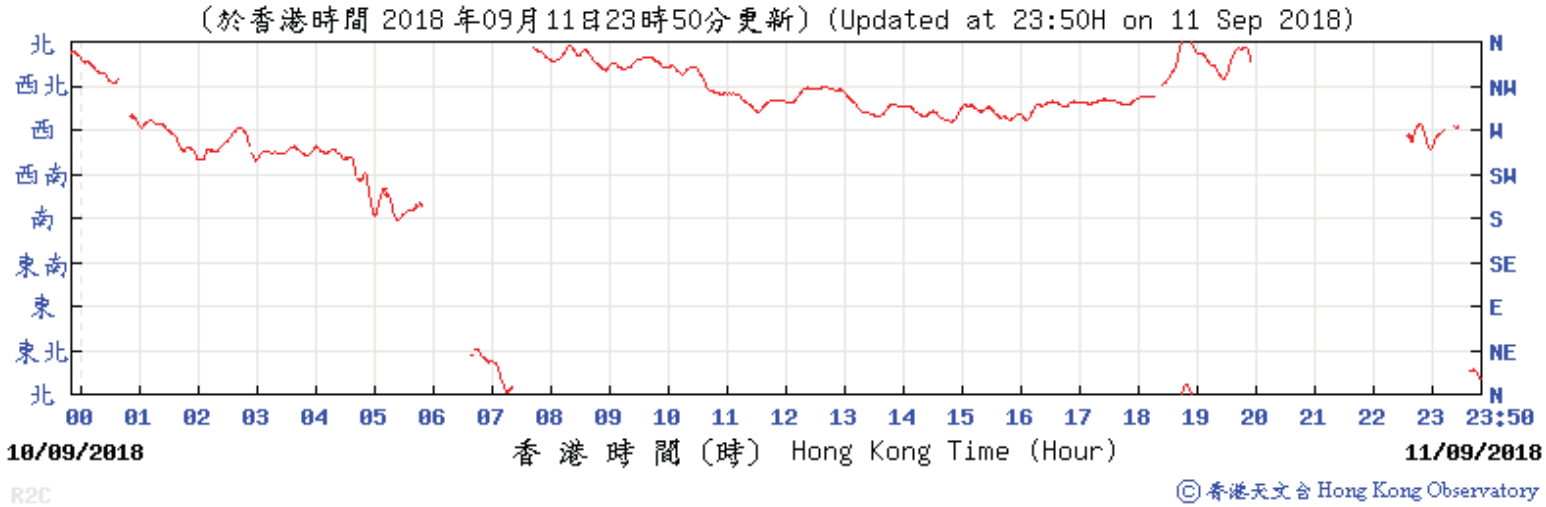
Tempearture/Humidity:



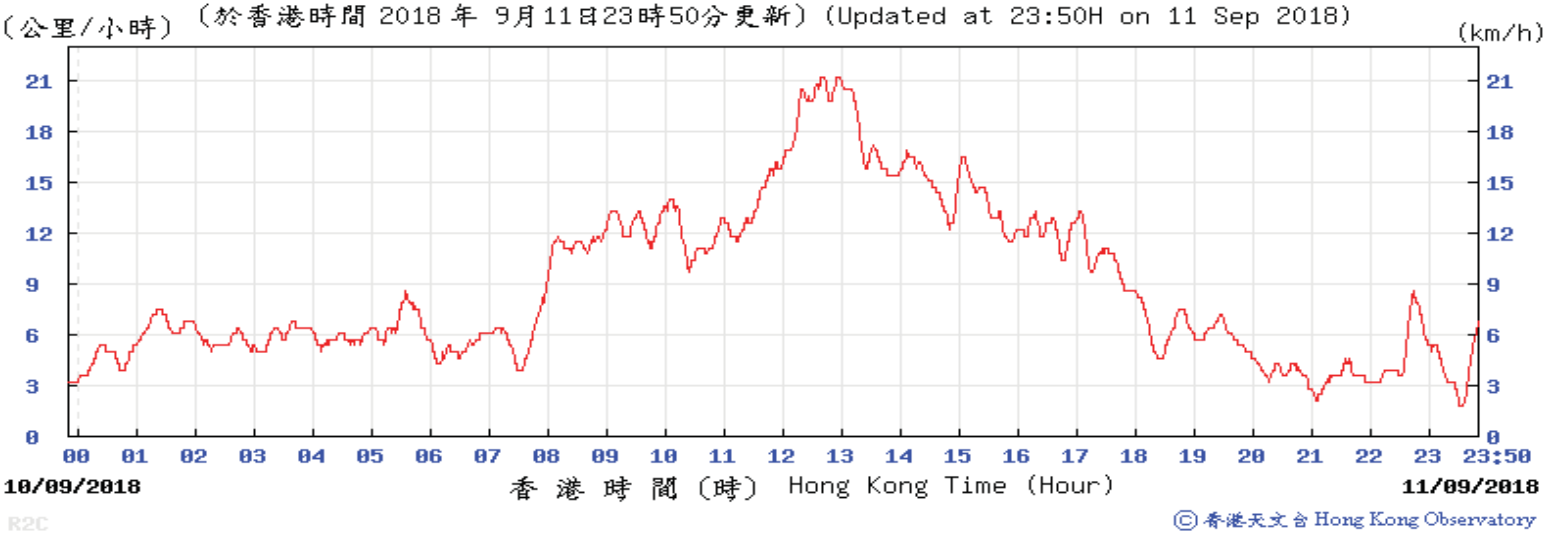
Pressure:



Wind Direction:



Wind Speed:



APPENDIX 3

Photos for the Odour Patrol Locations

Location: 1

Location: 2

Location: 3

Location: 4

Location: 5

Location: 6

suez NWS ATAL RosRoca
OSCAR Bioenergy Joint Venture

6. Appendix

Organic Resources Recovery Centre (Phase 1)

Odour Patrol Record Log Sheet

Parameter	Observations
Date	2 October 2018
Start & End Time (24hr)	From 14:06 To 14:55
Type of Patrol	~~Weekly / Monthly / Ac hoc / Follow-up /~~ T&C
Weather Condition	(Sunny) / Cloudy / Windy / Humid / Foggy /
Temperature (℃)	33℃
Relative Humidity (%)	46%
Monitoring Point	(1) / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / (2) / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	Hot plastic smell - Intermittent
Possible Source of Odour	PRV at Gas Holder
Monitoring Point	1 / 2 / (3) / 4 / 5 / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / (4) / 5 / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / (5) / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / (6) / 7 / 8
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	Food waste - Intermittent smell
Possible Source of Odour	From maintenance platform / Roller Shutter not fully closed / .
~~Follow up Actions~~ Remark	

Between ST3 & 4 ~~[illegible]~~ and 8 Feed Pump room / 28 Jet Mixing Pump Room / , Leak of digestate Infusion

	EPD Representative	Employer Representative	Independent Odour Patrol Team	OSCAR Bioenergy JV
Name	Teresa Ng	Patrick Gim		Terence CHAN
Signature	[signature]	[signature]	N/A	[signature]
Date	2/10/2018	2/10/18		2/10/2018

6. Appendix

Organic Resources Recovery Centre (Phase 1)

Odour Patrol Record Log Sheet

Parameter	Observations
Date	2 october 2018
Start & End Time (24hr)	From 14:06 To 14:35
Type of Patrol	~~Weekly / Monthly / Ac hoc / Follow-up /~~ Lof C
Weather Condition	(Sunny) / Cloudy / Windy / Humid / Foggy /
Temperature (℃)	33°C
Relative Humidity (%)	46%
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / (7) / 8
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	Food waste - Intermittent
Possible Source of Odour	RCV Bay unloading, Gate opened
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / (8)
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
~~Follow-up Actions~~ Remark	

	EPD Representative	Employer Representative	Independent Odour Patrol Team	OSCAR Bioenergy JV
Name	Teresa Ng	Patrick Yim		Terence CHAN
Signature	[signature]	[signature]	N/A	[signature]
Date	2/10/2018	2/10/18		2/10/2018

6. Appendix

Organic Resources Recovery Centre (Phase 1)

Odour Patrol Record Log Sheet

Parameter	Observations
Date	3 October 2018
Start & End Time (24hr)	From 14:45 To 15:15
Type of Patrol	~~Weekly / Monthly / Ad-hoc / Follow-up~~ / T&C Period
Weather Condition	(Sunny) / Cloudy / Windy / Humid / Foggy /
Temperature (℃)	27°C
Relative Humidity (%)	66%
Monitoring Point	(1) / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	~~Hot Plastic smell~~
Possible Source of Odour	~~PRV of Gas Holder~~
Monitoring Point	1 / (2) / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	Plastic Smell -
Possible Source of Odour	PRV of Gas Holder
Monitoring Point	1 / 2 / (3) / 4 / 5 / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / (4) / 5 / 6 / 7 / 8
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	mixed smell of bags and digestate - minor.
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / (5) / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / (6) / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
~~Follow-up Actions~~ Remark	
Point 2, the intensity nearly reach "2", a stronger smell than previous.	

	EPD Representative	Employer Representative	Independent Odour Patrol Team	OSCAR Bioenergy JV
Name	FIONA LAM	Patrick Ng		Terence CHAN
Signature			NA	
Date	3/10/2018	3/10/18		3/10/2018

6. Appendix

Organic Resources Recovery Centre (Phase 1)

Odour Patrol Record Log Sheet

Parameter	Observations
Date	3 October 2018
Start & End Time (24hr)	From 14:45 To 15:15
Type of Patrol	~~Weekly / Monthly / Ac hoc / Follow-up /~~ T & C Period
Weather Condition	(Sunny) / Cloudy / Windy / Humid / Foggy /
Temperature (℃)	27°C
Relative Humidity (%)	66%
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / (7) / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / (8)
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	Very minor unknow smell.
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
~~Follow-up Actions~~ Remark	

	EPD Representative	Employer Representative	Independent Odour Patrol Team	OSCAR Bioenergy JV
Name	FIONA LAM	Patrick Yim		Terence CHAN
Signature	[signature]	[signature]	NA	[signature]
Date	3/10/2018	3/10/18		3/10/2018

6. Appendix

Organic Resources Recovery Centre (Phase 1)

Odour Patrol Record Log Sheet

Parameter	Observations
Date	5 / 10 / 2018
Start & End Time (24hr)	From 9:32 To 9:54
Type of Patrol	~~Weekly / Monthly / Ac hoc / Follow-up~~ / T&C Period
Weather Condition	Sunny / Cloudy / Windy / Humid / Foggy /
Temperature (℃)	28.2
Relative Humidity (%)	38
Monitoring Point	(1) / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / (2) / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	Hot Plastic (Intermittent)
Possible Source of Odour	PSV of Biogas Holder
Monitoring Point	1 / 2 / (3) / 4 / 5 / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / (4) / 5 / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / (5) / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / (6) / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
~~Follow-up Actions~~ Remark	

	EPD Representative	Employer Representative	Independent Odour Patrol Team	OSCAR Bioenergy JV
Name	FIONA LAM	PATRICK YUM		Sarah HO
Signature	Fiona	P	NA	Sarah
Date	5/10/2018	5/10/18		5/10/2018

6. Appendix

Organic Resources Recovery Centre (Phase 1)

Odour Patrol Record Log Sheet

Parameter	Observations
Date	5/10/2018
Start & End Time (24hr)	From 9:32 To 9:54
Type of Patrol	~~Weekly / Monthly / Ac hoc / Follow-up /~~ T & C Period
Weather Condition	Sunny / Cloudy / Windy / Humid / Foggy /
Temperature (℃)	28.2
Relative Humidity (%)	38
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / (7) / 8
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	SSOW smell (minor)
Possible Source of Odour	Pre-treatment skip area
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / (8)
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
~~Follow-up Actions~~ Remark	

	EPD Representative	Employer Representative	Independent Odour Patrol Team	OSCAR Bioenergy JV
Name	FIONA LAM	Patrick Yan		Sarah HO
Signature	Fiona	[signature]	NA	Sarah
Date	5/10/2018	5/10/18		5/10/2018

6. Appendix

Organic Resources Recovery Centre (Phase 1)

Odour Patrol Record Log Sheet

Parameter	Observations
Date	8 October 2018
Start & End Time (24hr)	From 11:00am To 11:12
Type of Patrol	~~Weekly / Monthly / Ac hoc / Follow-up~~ T&C Period
Weather Condition	(Sunny) / Cloudy / Windy / Humid / Foggy /
Temperature (℃)	34°C
Relative Humidity (%)	55%
Monitoring Point	(1) / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	~~Hot plastic smell~~
Possible Source of Odour	~~PRV of Biogas Holder~~
Monitoring Point	1 / (2) / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	Hot Plastic smell
Possible Source of Odour	PRV of Biogas Holder
Monitoring Point	1 / 2 / (3) / 4 / 5 / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / (4) / 5 / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / (5) / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / (6) / 7 / 8
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	minor smell of wastewater
Possible Source of Odour	sludge vacuum truck nearby
~~Follow-up Actions~~ Remark	

	EPD Representative	Employer Representative	Independent Odour Patrol Team	OSCAR Bioenergy JV
Name	Teresa Ng	Patrick Yan		Terence CHAN
Signature			NA	
Date	8 Oct 2018	8/10/18		8/10/2018

6. Appendix

Organic Resources Recovery Centre (Phase 1)

Odour Patrol Record Log Sheet

Parameter	Observations
Date	8 October 2018
Start & End Time (24hr)	From 11:00 To 11:13
Type of Patrol	~~Weekly / Monthly / Ad hoc / Follow-up /~~ T & C Period
Weather Condition	(Sunny) / Cloudy / Windy / Humid / Foggy /
Temperature (℃)	34°C
Relative Humidity (%)	55%
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / (7) / 8
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	minor SSOW smell
Possible Source of Odour	Pretreatment Hall
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / (8)
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
~~Follow-up Actions~~ Remark	

	EPD Representative	Employer Representative	Independent Odour Patrol Team	OSCAR Bioenergy JV
Name	Teresa Ng	Patrick Yim		Terence CHAN
Signature	[signature]	[signature]	NA	[signature]
Date	8 Oct 2018	8/10/18		8/10/2018

6. Appendix

Organic Resources Recovery Centre (Phase 1)

Odour Patrol Record Log Sheet

Parameter	Observations
Date	10 / 10 / 2018
Start & End Time (24hr)	From 11:30 To 12:03
Type of Patrol	~~Weekly / Monthly / Ac hoc / Follow-up /~~ T & C Period
Weather Condition	Sunny / (Cloudy) / Windy / Humid / Foggy /
Temperature (℃)	27.5
Relative Humidity (%)	77
Monitoring Point	(1) / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / (2) / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	Strong Hot Plastic Smell
Possible Source of Odour	PSV of Biogas Holder
Monitoring Point	1 / 2 / (3) / 4 / 5 / 6 / 7 / 8
Intensity of Odour	Sarah (0) / (1) / 2 / 3 / 4
Characteristic of Odour	Minor Toilet Smell
Possible Source of Odour	Building 1
Monitoring Point	1 / 2 / 3 / (4) / 5 / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / (5) / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / (6) / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
~~Follow-up Actions~~ Remark	

	EPD Representative	Employer Representative	Independent Odour Patrol Team	OSCAR Bioenergy JV
Name	Terence Ng	Patrick Lam		Sarah Ho
Signature			NA	Sarah
Date	10 Oct 2018	10/10/18		10/10/2018

6. Appendix

Organic Resources Recovery Centre (Phase 1)

Odour Patrol Record Log Sheet

Parameter	Observations
Date	10 / 10 / 2018
Start & End Time (24hr)	From 11:30 To 12:03
Type of Patrol	~~Weekly / Monthly / Ac hoc / Follow-up /~~ T & C Period
Weather Condition	~~Sunny / Cloudy / Windy / Humid / Foggy~~ / Rainy.
Temperature (℃)	27.5
Relative Humidity (%)	77
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	

~~Follow-up Actions~~ Remark

Monitoring Point 7 & 8 cancelled due to rainy day at 12:03.

	EPD Representative	Employer Representative	Independent Odour Patrol Team	OSCAR Bioenergy JV
Name	Teresa Ng	Patrick Yim		Sarah Ho
Signature	[signature]	[signature]	NA	Sarah
Date	10 Oct 2018	10/10/18		10/10/2018

6. Appendix

Organic Resources Recovery Centre (Phase 1)

Odour Patrol Record Log Sheet

Parameter	Observations
Date	12 / 10 / 2018
Start & End Time (24hr)	From 11:25 To 11:52
Type of Patrol	~~Weekly / Monthly / Ad hoc / Follow-up /~~ T & C Period
Weather Condition	(Sunny) / Cloudy / Windy / Humid / Foggy /
Temperature (℃)	25.9
Relative Humidity (%)	63
Monitoring Point	(1) / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / (2) / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	Strong Hot Plastic (intermittent)
Possible Source of Odour	PSV of Biogas Holder
Monitoring Point	1 / 2 / (3) / 4 / 5 / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / (4) / 5 / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / (5) / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / (6) / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
~~**Follow-up Actions**~~ Remark	
Lower has compost smell (Intermittent).	

	EPD Representative	Employer Representative	Independent Odour Patrol Team	OSCAR Bioenergy JV
Name	Daniel Choi	Patrick Yim		Sarah Ho
Signature			NA	Sarah
Date	12/10/2018	12/10/18		12/10/18

6. Appendix

Organic Resources Recovery Centre (Phase 1)

Odour Patrol Record Log Sheet

Parameter	Observations
Date	12/10/2018
Start & End Time (24hr)	From 11:25 To 11:52
Type of Patrol	~~Weekly / Monthly / Ac hoc / Follow-up /~~ T & C Period
Weather Condition	Sunny (circled) / Cloudy / Windy / Humid / Foggy /
Temperature (℃)	25.9
Relative Humidity (%)	63
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 (circled) / 8
Intensity of Odour	0 (circled) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8 (circled)
Intensity of Odour	0 (circled) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
~~Follow-up Actions~~ Remark	

	EPD Representative	Employer Representative	Independent Odour Patrol Team	OSCAR Bioenergy JV
Name	Daniel Choi	Patrick Fung		Sarah Ho
Signature	(signed)	(signed)	NA	Sarah
Date	12/10/2018	12/10/18.		12/10/18

6. Appendix

Organic Resources Recovery Centre (Phase 1)

Odour Patrol Record Log Sheet

Parameter	Observations
Date	15 / 10 / 2018
Start & End Time (24hr)	From 11:31 To 11:50
Type of Patrol	~~Weekly / Monthly / Ac hoc / Follow-up /~~ T & C Period
Weather Condition	Sunny / (Cloudy) / Windy / Humid / Foggy /
Temperature (℃)	26.4
Relative Humidity (%)	77
Monitoring Point	(1) / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / (2) / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	Hot Plastic (Intermittent)
Possible Source of Odour	PSV of Biogas Holder
Monitoring Point	1 / 2 / (3) / 4 / 5 / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / (4) / 5 / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / (5) / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / (6) / 7 / 8
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	Compost & toilet smell
Possible Source of Odour	Building 2, portable toilet
~~Follow-up Actions~~ Remark	

	EPD Representative	Employer Representative	Independent Odour Patrol Team	OSCAR Bioenergy JV
Name	Terence Ng	Patrick Jim		Sarah HO
Signature			NA	Sarah
Date	15 Oct 2018	15/10/18		15/10/2018

6. Appendix

Organic Resources Recovery Centre (Phase 1)

Odour Patrol Record Log Sheet

Parameter	Observations
Date	15 / 10 / 2018
Start & End Time (24hr)	From 11:31 To 11:50
Type of Patrol	~~Weekly / Monthly / Ac hoc / Follow-up /~~ T & C Period
Weather Condition	Sunny / (Cloudy) / Windy / Humid / Foggy /
Temperature (℃)	26.4
Relative Humidity (%)	77
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / (7) / 8
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	SSOW smell
Possible Source of Odour	Pre-treatment area
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / (8)
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	Rubbish smell
Possible Source of Odour	Waste Collector Truck
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
~~Follow-up Actions~~ Remark	

	EPD Representative	Employer Representative	Independent Odour Patrol Team	OSCAR Bioenergy JV
Name	Teresa Ng	Patrick Lam		Sarah HO
Signature	[signature]	[signature]	NA	Sarah
Date	15 Oct 2018	15/10/18		15/10/2018

6. Appendix

Organic Resources Recovery Centre (Phase 1)

Odour Patrol Record Log Sheet

Parameter	Observations
Date	18 October 2018
Start & End Time (24hr)	From 14:05 To 14:30
Type of Patrol	~~Weekly / Monthly / Ad hoc / Follow-up /~~ T&C Period Patrol
Weather Condition	Sunny / (Cloudy) / Windy / Humid / Foggy /
Temperature (℃)	26°C
Relative Humidity (%)	73%
Monitoring Point	(1) / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / (2) / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	Hot Plastic Smell
Possible Source of Odour	PRV of Gas Holder
Monitoring Point	1 / 2 / (3) / 4 / 5 / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / (4) / 5 / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / (5) / 6 / 7 / 8
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	minor glass smell
Possible Source of Odour	glass
Monitoring Point	1 / 2 / 3 / 4 / 5 / (6) / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
~~**Follow-up Actions**~~ Remark	
Outside the door of Pipe Gallery, smell of Compost, from Louvres of Pipe Gallery	

	EPD Representative	Employer Representative	Independent Odour Patrol Team	OSCAR Bioenergy JV
Name	FIONA LAM	Patrick Jon		Terence CHAN
Signature	Fiona		NA	
Date	18/10/2018	18/10/18		18/10/2018

6. Appendix

Organic Resources Recovery Centre (Phase 1)

Odour Patrol Record Log Sheet

Parameter	Observations
Date	18 october 2018
Start & End Time (24hr)	From 14:05 To 14:30
Type of Patrol	~~Weekly / Monthly / Ac hoc / Follow-up /~~ T&C Period Patrol
Weather Condition	Sunny / (Cloudy) / Windy / Humid / Foggy /
Temperature (℃)	26°C
Relative Humidity (%)	73%
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / (7) / 8
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	Smell of SSOW, Wastewater
Possible Source of Odour	RCV Bay, Vacuum Truck
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / (8)
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
~~Follow-up Actions~~ Remark	

	EPD Representative	Employer Representative	Independent Odour Patrol Team	OSCAR Bioenergy JV
Name	FIONA LAM	Patrick Yam		Terence CHAN
Signature	[signature]	[signature]	NA	[signature]
Date	18/10/2018	18/10/18		18/10/2018

6. Appendix

Organic Resources Recovery Centre (Phase 1)

Odour Patrol Record Log Sheet

Parameter	Observations
Date	19 / 10 / 2018
Start & End Time (24hr)	From 9:00 To 9:17
Type of Patrol	~~Weekly / Monthly / Ad-hoc / Follow-up /~~ TRC Period
Weather Condition	Sunny / (Cloudy) / Windy / Humid / Foggy /
Temperature (℃)	24.7
Relative Humidity (%)	70
Monitoring Point	(1) / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / (2) / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	Hot Plastic
Possible Source of Odour	PSV of Biogas Holder
Monitoring Point	1 / 2 / (3) / 4 / 5 / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / (4) / 5 / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / (5) / 6 / 7 / 8
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	Minor Compost Smell
Possible Source of Odour	Composting Hall
Monitoring Point	1 / 2 / 3 / 4 / 5 / (6) / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
~~**Follow-up Actions**~~ Remark	

	EPD Representative	Employer Representative	Independent Odour Patrol Team	OSCAR Bioenergy JV
Name	TESS CHAN	Patrick Jan		Sarah Ho
Signature	Tess	R	NA	Sarah
Date	19 Oct 2018	19/10/18		19/10/2018

6. Appendix

Organic Resources Recovery Centre (Phase 1)

Odour Patrol Record Log Sheet

Parameter	Observations
Date	19 / 10 / 2018
Start & End Time (24hr)	From 9:00 To 9:17
Type of Patrol	~~Weekly / Monthly / Ac hoc / Follow-up /~~ T&C Period
Weather Condition	Sunny / (Cloudy) / Windy / Humid / Foggy /
Temperature (℃)	24.7
Relative Humidity (%)	70
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / (7) / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / (8)
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
~~**Follow-up Actions**~~ Remark	

	EPD Representative	Employer Representative	Independent Odour Patrol Team	OSCAR Bioenergy JV
Name	TESS CHAN	Patrick [illegible]		Sarah HO
Signature	Tess	[signature]	NA	Sarah
Date	19 Oct 2018	19/10/18		19/10/2018

6. Appendix

Organic Resources Recovery Centre (Phase 1)

Odour Patrol Record Log Sheet

Parameter	Observations
Date	22 October 2018
Start & End Time (24hr)	From 11:31 To 11:47
Type of Patrol	~~Weekly / Monthly / Ad-hoc / Follow-up~~ T&C Period
Weather Condition	(Sunny) / Cloudy / Windy / Humid / Foggy /
Temperature (℃)	28°C
Relative Humidity (%)	74%
Monitoring Point	(1) / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / (2) / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	plastic smell
Possible Source of Odour	PSV of Gas Holder
Monitoring Point	1 / 2 / (3) / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	plastic smell
Possible Source of Odour	PSV of Gas Holder.
Monitoring Point	1 / 2 / 3 / (4) / 5 / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / (5) / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / (6) / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
~~**Follow-up Actions**~~ Remark	

	EPD Representative	Employer Representative	Independent Odour Patrol Team	OSCAR Bioenergy JV
Name	Teresa Ng	Patricia Yim		~~Terence CHAN~~
Signature			NA	
Date	22/10/2018	22/10/18		22/10/2018

6. Appendix

Organic Resources Recovery Centre (Phase 1)

Odour Patrol Record Log Sheet

Parameter	Observations
Date	22 October 2018
Start & End Time (24hr)	From 11:31 To 11:47
Type of Patrol	~~Weekly / Monthly / Ac hoc / Follow-up /~~ T&C Period
Weather Condition	(Sunny) / Cloudy / Windy / Humid / Foggy /
Temperature (℃)	25°C
Relative Humidity (%)	74%
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / (7) / 8
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	smell of SSOW
Possible Source of Odour	Pretreatment Hall
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / (8)
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	plastic smell – Intermittent
Possible Source of Odour	PSV of Gas Holder
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
~~Follow-up Actions~~ Remark	

	EPD Representative	Employer Representative	Independent Odour Patrol Team	OSCAR Bioenergy JV
Name	Teresa Ng	Patrick Yim		Terence CHAN
Signature	[signature]	[signature]	NA	[signature]
Date	22/10/2018	22/10/18		22/10/2018

6. Appendix

Organic Resources Recovery Centre (Phase 1)

Odour Patrol Record Log Sheet

Parameter	Observations
Date	24 / 10 / 2018
Start & End Time (24hr)	From 13:57 To 14:22
Type of Patrol	~~Weekly / Monthly / Ad-hoc / Follow-up~~ T & C Period
Weather Condition	Sunny / (Cloudy) / Windy / Humid / Foggy /
Temperature (℃)	26.8
Relative Humidity (%)	69
Monitoring Point	(1) / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	Minor Hot Plastic
Possible Source of Odour	PSV of Biogas Holder
Monitoring Point	1 / (2) / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	Hot Plastic
Possible Source of Odour	PSV of Biogas Holder
Monitoring Point	1 / 2 / (3) / 4 / 5 / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / (4) / 5 / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / (5) / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / (6) / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
~~Follow-up Actions~~ Remark	
Louver ~~&~~ AF centrifuge has strong digestate smell	

	EPD Representative	Employer Representative	Independent Odour Patrol Team	OSCAR Bioenergy JV
Name	Terence Ng	Patrick Yan		Sarah HO
Signature			NA	Sarah
Date	24 / 10 / 2018	24/10/18.		24/10/2018

6. Appendix

Organic Resources Recovery Centre (Phase 1)

Odour Patrol Record Log Sheet

Parameter	Observations
Date	24/10/2018
Start & End Time (24hr)	From 13:57 To 14:22
Type of Patrol	~~Weekly / Monthly / Ac hoc / Follow-up /~~ T&C Period
Weather Condition	Sunny / Cloudy / Windy / Humid / Foggy /
Temperature (℃)	26.8
Relative Humidity (%)	69
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / (7) / 8
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	Rubbish smell, minor hot plastic
Possible Source of Odour	Pre-treatment skip area, PSV of Biogas Holder
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / (8)
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
~~Follow-up Actions~~ Remark	

	EPD Representative	Employer Representative	Independent Odour Patrol Team	OSCAR Bioenergy JV
Name	Teresa Ng	Patrick Yam		Sarah HO
Signature	[signature]	[signature]	NA	Sarah
Date	24/10/2018	24/10/18.		24/10/2018

6. Appendix

Organic Resources Recovery Centre (Phase 1)

Odour Patrol Record Log Sheet

Parameter	Observations
Date	26 October 2018
Start & End Time (24hr)	From 10:05 To 10:20
Type of Patrol	~~Weekly~~ / ~~Monthly~~ / ~~Ad-hoc~~ / ~~Follow-up~~ / T&C Period Patrol
Weather Condition	(Sunny) / Cloudy / Windy / Humid / Foggy /
Temperature (℃)	~28°C
Relative Humidity (%)	~74%
Monitoring Point	(1) / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / (2) / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	Plastics
Possible Source of Odour	Biogas Holder
Monitoring Point	1 / 2 / (3) / 4 / 5 / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / (4) / 5 / 6 / 7 / 8
Intensity of Odour	~~0 / 1 / 2 / 3 / 4~~ / 20
Characteristic of Odour	grass.
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / (5) / 6 / 7 / 8
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	grass
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / ~~4~~ / 5 / (6) / 7 / 8
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	rubbish / plastic
Possible Source of Odour	process hall fan
~~Follow-up Actions~~	Remark
This is a copy record only. Please refer to the final report from ALS	

	EPD Representative	Employer Representative	Independent Odour Patrol Team	OSCAR Bioenergy JV
Name	FIONA LAM	Bill CHEN	Edwin, Tsz kin	Terence CHAN
Signature	Fion	Bill		
Date	26/10/2018	26/10/2018	26/10/2018	26/10/2018

6. Appendix

Organic Resources Recovery Centre (Phase 1)

Odour Patrol Record Log Sheet

Parameter	Observations
Date	26 October 2018
Start & End Time (24hr)	From 10:05 To 10:20
Type of Patrol	~~Weekly / Monthly / Ac hoc / Follow up~~ / T&C Period Patrol
Weather Condition	(Sunny) Cloudy / Windy / Humid / Foggy /
Temperature (℃)	~ 28°C
Relative Humidity (%)	~ 74%
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / (7) / 8
Intensity of Odour	~~0 / 1 / 2 / 3 / 4~~ 1 or 0
Characteristic of Odour	Exhaust gas
Possible Source of Odour	Vehicles
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / (8)
Intensity of Odour	~~0 / 1 / 2 / 3 / 4~~ 0 or 1.
Characteristic of Odour	rubbish
Possible Source of Odour	rubbish Truck.
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
~~**Follow-up Actions**~~ Remark	

This is a copy record only. Please refer to the final report from ALS.

	EPD Representative	Employer Representative	Independent Odour Patrol Team	OSCAR Bioenergy JV
Name	FIONA LAM	Bill CHEN	Edwin, Tsz kin	Terence CHAN
Signature	[signature]	Bill	[signature] [signature]	[signature]
Date	26/10/2018	26/10/2018	26/10/2018	26/10/2018

6. Appendix

Organic Resources Recovery Centre (Phase 1)

Odour Patrol Record Log Sheet

Parameter	Observations
Date	26 October 2018
Start & End Time (24hr)	From 18:03 To 18:15
Type of Patrol	~~Weekly / Monthly / Ad hoc / Follow-up /~~ T & C Period
Weather Condition	~~Sunny / Cloudy / Windy / Humid / Foggy /~~ Night
Temperature (℃)	~27°C
Relative Humidity (%)	~80%
Monitoring Point	(1) / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	Grass
Possible Source of Odour	Grass
Monitoring Point	1 / (2) / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	Plastic
Possible Source of Odour	Biogas Holder
Monitoring Point	1 / 2 / (3) / 4 / 5 / 6 / 7 / 8
Intensity of Odour	~~0 / 1 / 2 / 3 / 4~~ Odd
Characteristic of Odour	Plastic
Possible Source of Odour	Biogas Holder
Monitoring Point	1 / 2 / 3 / (4) / 5 / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / (5) / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / (6) / 7 / 8
Intensity of Odour	~~0 / 1 / 2 / 3 / 4~~ Odd
Characteristic of Odour	Rubbish
Possible Source of Odour	Process hall Fan
~~Follow-up Actions~~ Remark	
This is a copy record only. Please refer to the final report from ALS.	

	EPD Representative	Employer Representative	Independent Odour Patrol Team	OSCAR Bioenergy JV
Name	FIONA LAM	Philip Cheung	Edwin, Tszkin	Terence CHAN
Signature				
Date	26/10/2018	26/10/18	26/10/18	26/10/2018

6. Appendix

Organic Resources Recovery Centre (Phase 1)

Odour Patrol Record Log Sheet

Parameter	Observations
Date	26 October 2018
Start & End Time (24hr)	From 18:03 To 18:15
Type of Patrol	~~Weekly / Monthly / Ac hoc / Follow-up /~~ T&C Period
Weather Condition	~~Sunny / Cloudy / Windy / Humid / Foggy /~~ Night
Temperature (℃)	~27℃
Relative Humidity (%)	~80%
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / (7) / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / (8)
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	Rubbish.
Possible Source of Odour	Plant
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
~~Follow-up Actions~~ Remark	

This is a copy record only. Please refer to the final report from ALS

	EPD Representative	Employer Representative	Independent Odour Patrol Team	OSCAR Bioenergy JV
Name	FIONA LAH	Philip Cheung	Edwin, Tszkin	Terence CHAN
Signature	[signature]	[signature]	[signature]	[signature]
Date	26/10/2018	26/10/18	26/10/18	26/10/2018.

6. Appendix

Organic Resources Recovery Centre (Phase 1)

Odour Patrol Record Log Sheet

Parameter	Observations
Date	29 / 10 / 2018
Start & End Time (24hr)	From 11:32 To 11:55
Type of Patrol	~~Weekly / Monthly / Ac hoc / Follow-up /~~ T & C Period
Weather Condition	(Sunny) / Cloudy / Windy / Humid / Foggy /
Temperature (℃)	26.5
Relative Humidity (%)	30
Monitoring Point	(1) / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / (2) / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	Hot Plastic
Possible Source of Odour	PSV of Biogas Holder
Monitoring Point	1 / 2 / (3) / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	Rubbish smell & Hot Plastic
Possible Source of Odour	WCV , PSV of Biogas Holder
Monitoring Point	1 / 2 / 3 / (4) / 5 / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / (5) / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / (6) / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
~~Follow-up Actions~~ Remark	

	EPD Representative	Employer Representative	Independent Odour Patrol Team	OSCAR Bioenergy JV
Name	FIONA LAM	C L CHOW		Sarah HO
Signature	FLS		NA	Sarah
Date	29/10/2018	29/10 2018		29 / 10 / 2018

6. Appendix

Organic Resources Recovery Centre (Phase 1)

Odour Patrol Record Log Sheet

Parameter	Observations
Date	29 / 10 / 2018
Start & End Time (24hr)	From 11:32 To 11:55
Type of Patrol	~~Weekly / Monthly / Ac hoc / Follow-up /~~ T&C Period
Weather Condition	(Sunny) / Cloudy / Windy / Humid / Foggy /
Temperature (℃)	26.5
Relative Humidity (%)	30
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / (7) / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / (8)
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
~~Follow-up Actions~~ Remark	

	EPD Representative	Employer Representative	Independent Odour Patrol Team	OSCAR Bioenergy JV
Name	FIONA LAM	C L CHEW		Sarah HO
Signature	[signature]	[signature]	NA	Sarah
Date	29/10/2018	29/10/2018		29 / 10 / 2018

6. Appendix

Organic Resources Recovery Centre (Phase 1)

Odour Patrol Record Log Sheet

Parameter	Observations
Date	31 / 10 / 2018
Start & End Time (24hr)	From 11:01 To 11:26
Type of Patrol	~~Weekly / Monthly / Ad hoc / Follow-up /~~ T & C Period
Weather Condition	(Sunny) / Cloudy / Windy / Humid / Foggy /
Temperature (℃)	25.5
Relative Humidity (%)	32
Monitoring Point	(1) / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / (2) / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	Hot Plastic (Intermittent)
Possible Source of Odour	PSV of Biogas Holder
Monitoring Point	1 / 2 / (3) / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	Grass, sewage, hot plastic smell (minor)
Possible Source of Odour	Tree, truck, PSV of Biogas Holder
Monitoring Point	1 / 2 / 3 / (4) / 5 / 6 / 7 / 8
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	Digestate smell (minor)
Possible Source of Odour	Mixing Unit
Monitoring Point	1 / 2 / 3 / 4 / (5) / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / (6) / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
~~**Follow-up Actions**~~ Remark	

	EPD Representative	Employer Representative	Independent Odour Patrol Team	OSCAR Bioenergy JV
Name	FIONA LAM	Patrick Yim		Sarah HO
Signature	Fiona		NA	Sarah
Date	31/10/2018	31/10/18		31/10/2018

6. Appendix

Organic Resources Recovery Centre (Phase 1)

Odour Patrol Record Log Sheet

Parameter	**Observations**
Date	31 / 10 / 2018
Start & End Time (24hr)	From 11:01 To 11:26
Type of Patrol	~~Weekly / Monthly / Ac hoc / Follow-up /~~ T&C Period
Weather Condition	(Sunny) / Cloudy / Windy / Humid / Foggy /
Temperature (℃)	25.5
Relative Humidity (%)	32
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / (7) / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / (8)
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
~~**Follow-up Actions**~~ Remark	

	EPD Representative	**Employer Representative**	**Independent Odour Patrol Team**	**OSCAR Bioenergy JV**
Name	FIONA LAM	Patrick Ym		Sarah HO
Signature	Fion	R	NA	Sarah
Date	31/10/2018	31/10/18		31/10/2018

ALS Technichem (HK) Pty Ltd
1/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 Venture	WORK ORDER:	HK1856263
CONTACT:	Edwin Wong		
ADDRESS:	No. 5, Sham Fung Road, Siu Ho Wan, North Lantau Island, NT, Hong Kong	LABORATORY:	Hong Kong
		SUB-BATCH:	0
		DATE OF PATROL:	26 October 2018
		DATE OF ISSUE:	5 November 2018
PROJECT:	Odour Patrol for the Organic Resources Recovery Centre Phase 1 in Siu Ho Wan		
SITE:	Organic Resources Recovery Centre Phase 1 (ORRC1)		

COMMENTS

Date of Odour Patrol: 26 October 2018.
Odour Patrols were conducted by ALS Technichem (HK) Pty Ltd staff during 10:05- 10:20 and 18:03 - 18:15.

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.

Richard Fung
General Manager - Hong Kong

1. Summary of Work

The odour patrol was conducted during daytime and evening / night 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.

Two odour patrol team members from ALS Technichem (HK) Pty Ltd were sent to conduct the patrol work during each session. All members are free from any respiratory diseases during patrol day. None of the members has been working or living in the area in the vicinity of the inspection area.

The odour patrol was conducted during daytime and evening / night time.

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 are 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 is 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
1	1	Sunny	10:05	27.8	72.8	0.9	025	0	NA	NA	NA	NA
	2							0				
2	1	Sunny	10:06	29.8	69.8	0.7	329	1	Continuous	Downwind	Plastic	Biogas Holder Tank Relief Valve
	2							1	Continuous	Downwind		
3	1	Sunny	10:08	29.2	70.2	0	NA	0	NA	NA	NA	NA
	2							0				
4	1	Sunny	10:10	28.2	70.0	0	NA	1	Intermittent	NA	Grassy	Vegetation
	2							0	NA	NA		
5	1	Sunny	10:12	28.0	74.7	0.2	312	1	Continuous	Side wind	Grassy	Vegetation
	2							1	Continuous	Side wind		

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	Sunny	10:14	29.4	89.8	1.2	335	1	Intermittent	Upwind	Garbage and plastic	Process Hall Exhaust Fan
	2							1	Intermittent	Upwind		
7	1	Sunny	10:16	28.6	74.1	0.9	349	1	Intermittent	Side wind	Vehicle exhaust gas	Vehicles
	2							0	NA	NA		
8	1	Sunny	10:20	30.3	75.4	0.4	323	0	NA	NA	Garbage	Garbage Truck
	2							1	Intermittent	Side wind		

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

3.2. Evening / Night 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
1	1	Cloudy	18:03	27.5	77.2	0.8	007	1	Continuous	Side wind	Grassy	Vegetation
	2							1	Continuous			
2	1	Cloudy	18:04	27.4	79.5	0.8	349	1	Continuous	Downwind	Plastic	Biogas Holder Tank Relief Valve
	2							1	Continuous			
3	1	Cloudy	18:05	27.1	79.4	0.6	349	0	NA	Downwind	Plastic	Biogas Holder Tank Relief Valve
	2							1	Continuous			
4	1	Cloudy	18:07	27.4	80.9	0	NA	0	NA	NA	NA	NA
	2							0				
5	1	Cloudy	18:09	27.1	83.1	0.6	343	0	NA	NA	NA	NA
	2							0				

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	18:11	27.1	83.4	0.9	329	0	NA	Upwind	Garbage	Process Hall Exhaust Fan
	2							1	Continuous			
7	1	Cloudy	18:14	27.2	82.3	0.9	343	0	NA	NA	NA	NA
	2							0				
8	1	Cloudy	18:15	27.5	82.6	0	NA	1	Intermittent	NA	Garbage	From the plant
	2							1	Intermittent			

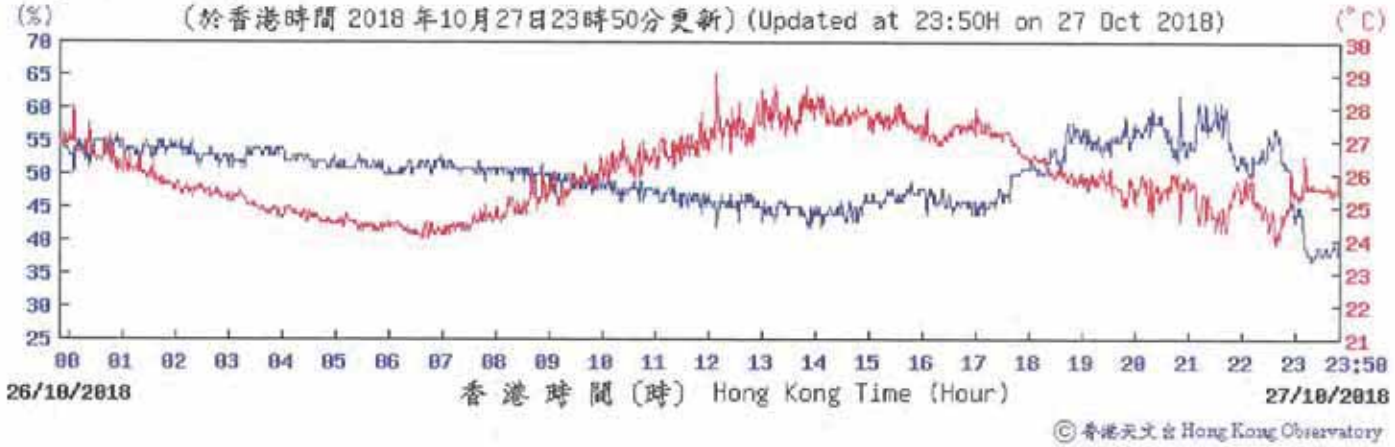
Remark:
T: Air Temperature;
RH: Relative Humidity;
WD: Wind Direction;
WS: Wind Speed.

APPENDIX 1
Odour Patrol Route

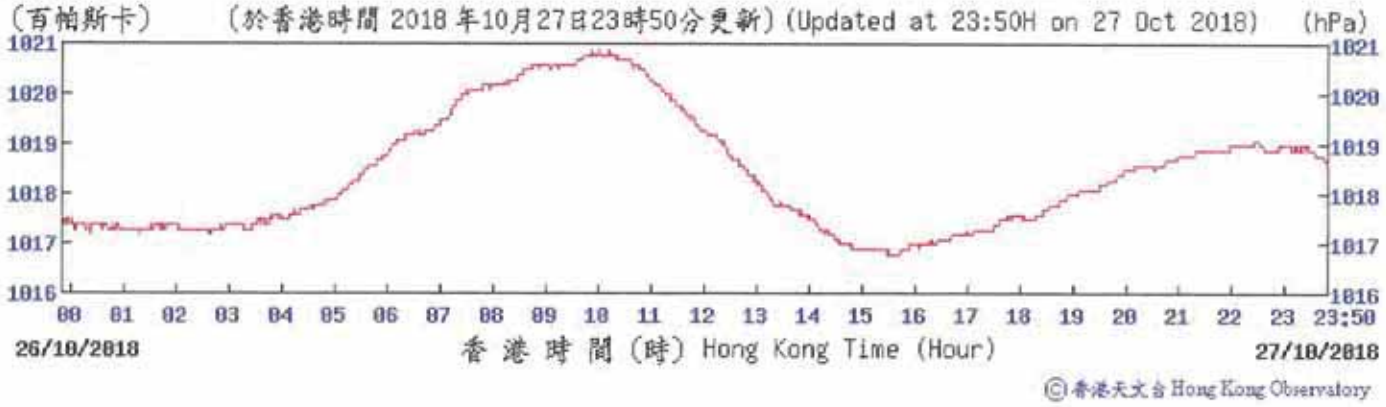
APPENDIX 2

Extract Of Meteorological Observations from Hong Kong Airport Observatory Station

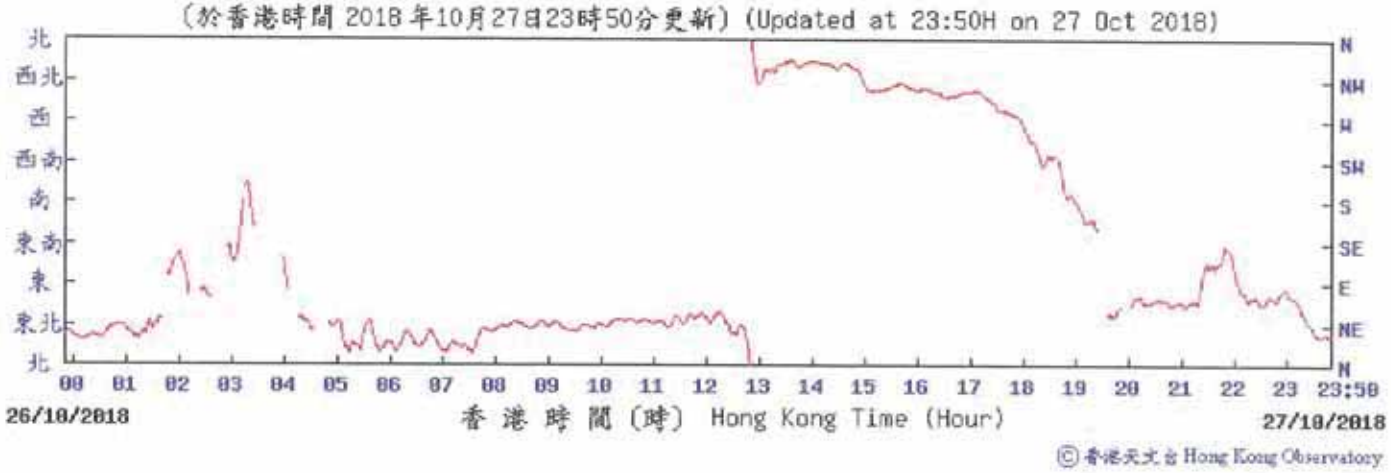
Tempearture/Humidity:



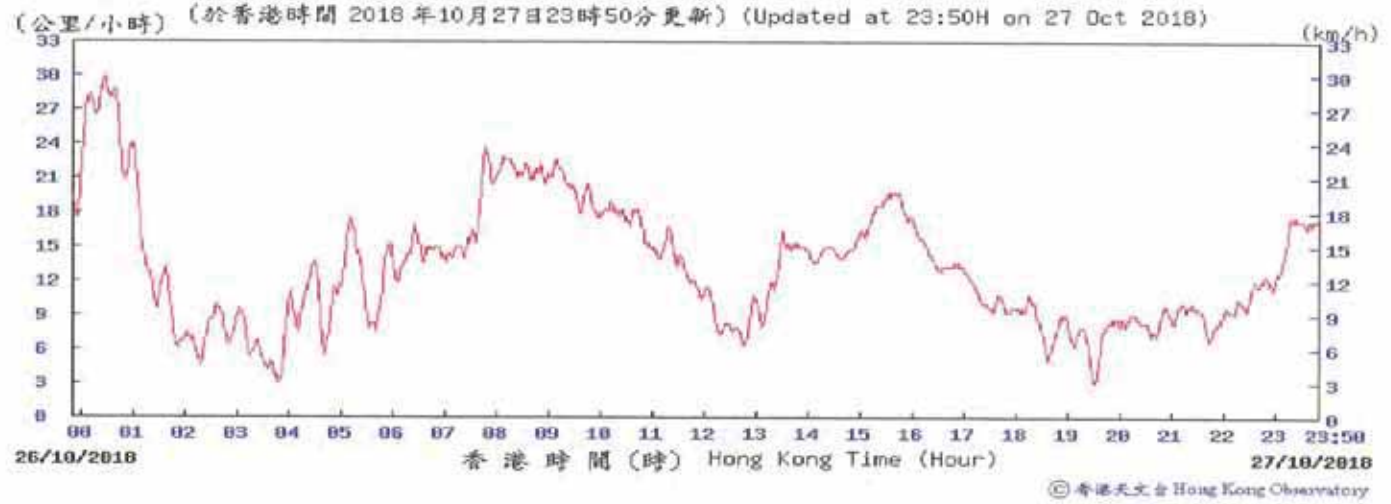
Pressure:



Wind Direction:



Wind Speed:



APPENDIX 3

A3.1. Odour Patrol at Different Locations – Daytime

Location: 1

Location: 2

Location: 3

Location: 4

Location: 5

Location: 6

Location: 7

Location: 8

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

Location: 1

Location: 2

Location: 3

Location: 4

Location: 5

Location: 6

Location: 7

Location: 8

6. Appendix

Organic Resources Recovery Centre (Phase 1)

Odour Patrol Record Log Sheet

Parameter	Observations
Date	2 / 11 / 2018
Start & End Time (24hr)	From 14:00 To 14:25
Type of Patrol	~~Weekly / Monthly / Ad-hoc / Follow-up~~ TLC Period
Weather Condition	Sunny / Cloudy / Windy / Humid / Foggy /
Temperature (℃)	24.6
Relative Humidity (%)	62
Monitoring Point	(1) / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / (2) / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	Hot Plastic
Possible Source of Odour	PSV of Biogas Holder
Monitoring Point	1 / 2 / (3) / 4 / 5 / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / (4) / 5 / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / (5) / 6 / 7 / 8
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	Minor Compost smell
Possible Source of Odour	Composting Hall
Monitoring Point	1 / 2 / 3 / 4 / 5 / (6) / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
~~Follow-up Actions~~ Remark	

	EPD Representative	Employer Representative	Independent Odour Patrol Team	OSCAR Bioenergy JV
Name	Daniel Chor	Patricia Jm		Sarah HO
Signature			NA	Sarah
Date	2/11/2018	2/11/18		2/11/2018

6. Appendix

Organic Resources Recovery Centre (Phase 1)

Odour Patrol Record Log Sheet

Parameter	Observations
Date	2 / 11 / 2018
Start & End Time (24hr)	From 14:00 To 14:15
Type of Patrol	~~Weekly / Monthly / Ac hoc / Follow-up /~~ T&C Period
Weather Condition	Sunny / Cloudy (circled) / Windy / Humid / Foggy /
Temperature (℃)	24.6
Relative Humidity (%)	62
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 (circled) / 8
Intensity of Odour	0 (circled) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8 (circled)
Intensity of Odour	0 / 1 (circled) / 2 / 3 / 4
Characteristic of Odour	SSOW smell
Possible Source of Odour	Waste Collection Truck
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
~~Follow-up Actions~~ Remark	

	EPD Representative	Employer Representative	Independent Odour Patrol Team	OSCAR Bioenergy JV
Name	Daniel Choi	Patrick Im		Sarah Ho
Signature	(signature)	(signature)	NA	Sarah
Date	2/11/2018	2/11/18		2/11/2018

6. Appendix

Organic Resources Recovery Centre (Phase 1)

Odour Patrol Record Log Sheet

Parameter	Observations
Date	5 / 11 / 2018
Start & End Time (24hr)	From 14:04 To 14:29
Type of Patrol	~~Weekly / Monthly / Ad-hoc / Follow-up /~~ T & C Period
Weather Condition	(Sunny) / Cloudy / Windy / Humid / Foggy /
Temperature (℃)	27.3
Relative Humidity (%)	65
Monitoring Point	(1) / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	Hot gas smell
Possible Source of Odour	CHP
Monitoring Point	1 / (2) / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	Hot Plastic
Possible Source of Odour	PSV of Biogas Holder
Monitoring Point	1 / 2 / (3) / 4 / 5 / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / (4) / 5 / 6 / 7 / 8
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	Digestate Smell
Possible Source of Odour	IDT
Monitoring Point	1 / 2 / 3 / 4 / (5) / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / (6) / 7 / 8
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	Digestate Smell
Possible Source of Odour	IDT
~~**Follow-up Actions**~~ Remark	

	EPD Representative	Employer Representative	Independent Odour Patrol Team	OSCAR Bioenergy JV
Name	TESS CHAN	Patrick Jm		Sarah HO
Signature	Tess	P	NA	Sarah
Date	05 Nov 2018	5/11/18.		5/11/2018

6. Appendix

Organic Resources Recovery Centre (Phase 1)

Odour Patrol Record Log Sheet

Parameter	Observations
Date	5 / 11 / 2018
Start & End Time (24hr)	From 14:04 To 14:29
Type of Patrol	~~Weekly / Monthly / Ac hoc / Follow-up /~~ T&C Period
Weather Condition	Sunny / Cloudy / Windy / Humid / Foggy /
Temperature (℃)	27.3
Relative Humidity (%)	65
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	Minor Hot Plastic
Possible Source of Odour	PSV of Biogas Holder
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
~~Follow-up Actions~~ Remark	

	EPD Representative	Employer Representative	Independent Odour Patrol Team	OSCAR Bioenergy JV
Name	TESS CHAN	Patrick Yim		Sarah HO
Signature	Tess	[signature]	NA	Sarah
Date	05 Nov 2018	5/11/18.		5/11/2018

6. Appendix

Organic Resources Recovery Centre (Phase 1)

Odour Patrol Record Log Sheet

Parameter	Observations
Date	7 / 11 / 2018
Start & End Time (24hr)	From 11:05 To 11:28
Type of Patrol	~~Weekly / Monthly / Ad-hoc / Follow-up /~~ T & C Period
Weather Condition	(Sunny) / Cloudy / Windy / Humid / Foggy /
Temperature (℃)	26.3
Relative Humidity (%)	70
Monitoring Point	(1) / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / (2) / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	Hot Plastic
Possible Source of Odour	PSV of Biogas Holder
Monitoring Point	1 / 2 / (3) / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	Hot Plastic, wastewater smell
Possible Source of Odour	PSV of Biogas Holder, Building 1
Monitoring Point	1 / 2 / 3 / (4) / 5 / 6 / 7 / 8
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	Digestate smell, wastewater smell
Possible Source of Odour	Mixing Unit, Collection chamber
Monitoring Point	1 / 2 / 3 / 4 / (5) / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / (6) / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
~~Follow-up Actions~~ Remark	

	EPD Representative	Employer Representative	Independent Odour Patrol Team	OSCAR Bioenergy JV
Name	FIONA LAM	Patrick Jm		Sarah HO
Signature	Fiona		NA	Sarah
Date	7/11/2018	7/11/18.		7/11/2018

6. Appendix

Organic Resources Recovery Centre (Phase 1)

Odour Patrol Record Log Sheet

Parameter	Observations
Date	7 / 11 / 2018
Start & End Time (24hr)	From 11:05 To 11:28
Type of Patrol	~~Weekly / Monthly / Ac hoc / Follow-up /~~ T&C Period
Weather Condition	Sunny (circled) / Cloudy / Windy / Humid / Foggy /
Temperature (℃)	26.3
Relative Humidity (%)	70
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 (circled) / 8
Intensity of Odour	0 (circled) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8 (circled)
Intensity of Odour	0 (circled) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
~~Follow-up Actions~~ Remark	

	EPD Representative	Employer Representative	Independent Odour Patrol Team	OSCAR Bioenergy JV
Name	FIONA LAM	Patrick Yu		Sarah HO
Signature	(signature)	(signature)	NA	(signature)
Date	7/11/2018	7/11/18.		7/11/2018

6. Appendix

Organic Resources Recovery Centre (Phase 1)

Odour Patrol Record Log Sheet

Parameter	Observations
Date	9 / 11 / 2018
Start & End Time (24hr)	From 11:30 To 11:45
Type of Patrol	~~Weekly / Monthly / Ac hoc / Follow-up~~ T & C Period
Weather Condition	(Sunny) / Cloudy / Windy / Humid / Foggy /
Temperature (℃)	25.3
Relative Humidity (%)	58
Monitoring Point	(1) / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	~~nil~~
Possible Source of Odour	
Monitoring Point	1 / (2) / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	Hot Plastic
Possible Source of Odour	PSV of Biogas Holder
Monitoring Point	1 / 2 / (3) / 4 / 5 / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / (4) / 5 / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / (5) / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / (6) / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
~~Follow-up Actions~~ Remark	

	EPD Representative	Employer Representatiye	Independent Odour Patrol Team	OSCAR Bioenergy JV
Name	Tess CHAN	Patrick Jin		Sarah HO
Signature	Tess		NA	Sarah
Date	9 Nov 2018	9/11/18		9/11/2018

6. Appendix

Organic Resources Recovery Centre (Phase I)

Odour Patrol Record Log Sheet

Parameter	Observations
Date	9 / 11 / 2018
Start & End Time (24hr)	From 11:30 To 11:45
Type of Patrol	~~Weekly / Monthly / Ac hoc / Follow-up /~~ T&C Period
Weather Condition	Sunny / Cloudy / Windy / Humid / Foggy /
Temperature (℃)	25.3
Relative Humidity (%)	58
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
~~Follow-up Actions~~ Remark	

	EPD Representative	Employer Representative	Independent Odour Patrol Team	OSCAR Bioenergy JV
Name	Tess CHAN	Patrick Yau		Sarah Ho
Signature	Tess	[signature]	NA	Sarah
Date	9 Nov 2018	9/11/18.		9/11/2018

6. Appendix

Organic Resources Recovery Centre (Phase 1)

Odour Patrol Record Log Sheet

Parameter	Observations
Date	12 / 11 / 2018
Start & End Time (24hr)	From 14:03 To 14:26
Type of Patrol	~~Weekly / Monthly / Ac hoc / Follow-up /~~ T & C Period
Weather Condition	(Sunny) / Cloudy / Windy / Humid / Foggy /
Temperature (℃)	27
Relative Humidity (%)	73
Monitoring Point	(1) / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / (2) / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	Hot Plastic
Possible Source of Odour	PSV of Biogas Holder
Monitoring Point	1 / 2 / (3) / 4 / 5 / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / (4) / 5 / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / (5) / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / (6) / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
~~Follow-up Actions~~ Remark	

	EPD Representative	Employer Representative	Independent Odour Patrol Team	OSCAR Bioenergy JV
Name	Daniel Choi	Patrick Yam		Sarah HO
Signature			NA	Sarah
Date	12/11/18	12/11/18.		12/11/2018

6. Appendix

Organic Resources Recovery Centre (Phase 1)

Odour Patrol Record Log Sheet

Parameter	Observations
Date	12 / 11 / 2018
Start & End Time (24hr)	From 14:03 To 14:26
Type of Patrol	~~Weekly / Monthly / Ac hoc / Follow-up /~~ T&C Period
Weather Condition	(Sunny) / Cloudy / Windy / Humid / Foggy /
Temperature (℃)	27
Relative Humidity (%)	73
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / (7) / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / (8)
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
~~Follow-up Actions~~ Remark	

	EPD Representative	Employer Representative	Independent Odour Patrol Team	OSCAR Bioenergy JV
Name	David Chan	Patrick Jim		Sarah HO
Signature	[signature]	[signature]	NA	Sarah
Date	12/11/18	12/11/18		12/11/2018

6. Appendix

Organic Resources Recovery Centre (Phase 1)

Odour Patrol Record Log Sheet

Parameter	Observations
Date	14 / 11 / 2018
Start & End Time (24hr)	From 11:30 To 11:54
Type of Patrol	~~Weekly / Monthly / Ac hoc / Follow-up /~~ T & C Period
Weather Condition	Sunny / (Cloudy) / Windy / Humid / Foggy /
Temperature (℃)	25.3
Relative Humidity (%)	69
Monitoring Point	(1) / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / (2) / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	Hot Plastic
Possible Source of Odour	PSV of Biogas Holder
Monitoring Point	1 / 2 / (3) / 4 / 5 / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / (4) / 5 / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / (5) / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / (6) / 7 / 8
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	Minor Hot plastic
Possible Source of Odour	PSV of Biogas Holder
~~Follow-up Actions~~ Remark	

	EPD Representative	Employer Representative	Independent Odour Patrol Team	OSCAR Bioenergy JV
Name	Daniel Choi			Sarah HO
Signature		NA	NA	Sarah
Date	14/11/2018			14/11/2018

6. Appendix

Organic Resources Recovery Centre (Phase 1)

Odour Patrol Record Log Sheet

Parameter	Observations
Date	14 / 11 / 2018
Start & End Time (24hr)	From 11:30 To 11:54
Type of Patrol	~~Weekly / Monthly / Ac hoc / Follow-up /~~ T&C Period
Weather Condition	Sunny / Cloudy (circled) / Windy / Humid / Foggy /
Temperature (℃)	25.3
Relative Humidity (%)	69
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 (circled) / 8
Intensity of Odour	0 (circled) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8 (circled)
Intensity of Odour	0 (circled) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	

~~Follow-up Actions~~ Remark

Main lobby (U turn location) has rubbish smell.

	EPD Representative	Employer Representative	Independent Odour Patrol Team	OSCAR Bioenergy JV
Name	Daniel Choi			Sarah HO
Signature	(signature)	NA	NA	Sarah
Date	14/11/2018			14/11/2018

6. Appendix

Organic Resources Recovery Centre (Phase 1)

Odour Patrol Record Log Sheet

Parameter	Observations
Date	16 / 11 / 2018
Start & End Time (24hr)	From 11:40 To 12:05
Type of Patrol	~~Weekly / Monthly / Ac hoc / Follow-up /~~ T & C Period
Weather Condition	(Sunny) / Cloudy / Windy / Humid / Foggy /
Temperature (℃)	25.5
Relative Humidity (%)	75
Monitoring Point	(1) / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / (2) / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	Hot Plastic (Intermittent)
Possible Source of Odour	PSV of Biogas Holder
Monitoring Point	1 / 2 / (3) / 4 / 5 / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / (4) / 5 / 6 / 7 / 8
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	Wastewater (Very minor)
Possible Source of Odour	Building 2
Monitoring Point	1 / 2 / 3 / 4 / (5) / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / (6) / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
~~Follow-up Actions~~ Remark	

	EPD Representative	Employer Representative	Independent Odour Patrol Team	OSCAR Bioenergy JV
Name	FIONA LAM			Sarah HO
Signature	Fiona	NA	NA	Sarah
Date	16/11/2018			16/11/2018

6. Appendix

Organic Resources Recovery Centre (Phase 1)

Odour Patrol Record Log Sheet

Parameter	Observations
Date	16 / 11 / 2018
Start & End Time (24hr)	From 11:40 To 12:05
Type of Patrol	~~Weekly / Monthly / Ac hoc / Follow-up /~~ T&C Period
Weather Condition	(Sunny) / Cloudy / Windy / Humid / Foggy /
Temperature (℃)	25.5
Relative Humidity (%)	75
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / (7) / 8
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	Rubbish smell
Possible Source of Odour	Pre-treatment Skip area
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / (8)
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
~~Follow-up Actions~~ Remark	

	EPD Representative	Employer Representative	Independent Odour Patrol Team	OSCAR Bioenergy JV
Name	FIONA LAM			Sarah HO
Signature	Fiona	NA	NA	Sarah
Date	16/11/2018			16/11/2018

6. Appendix

Organic Resources Recovery Centre (Phase 1)

Odour Patrol Record Log Sheet

Parameter	Observations
Date	19 / 11 / 2018
Start & End Time (24hr)	From 11:30 To 11:56
Type of Patrol	~~Weekly / Monthly / Ad hoc / Follow-up /~~ T & C Period
Weather Condition	(Sunny) / Cloudy / Windy / Humid / Foggy /
Temperature (℃)	25.9
Relative Humidity (%)	55
Monitoring Point	(1) / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / (2) / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	Hot Plastic
Possible Source of Odour	PSV of Biogas Holder
Monitoring Point	1 / 2 / (3) / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	Digestate Smell
Possible Source of Odour	Around AD 1 Area
Monitoring Point	1 / 2 / 3 / (4) / 5 / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / (5) / 6 / 7 / 8
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	compost smell
Possible Source of Odour	Composting Hall, louver of pipe gallery
Monitoring Point	1 / 2 / 3 / 4 / 5 / (6) / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
~~Follow-up Actions~~ Remark	

	EPD Representative	Employer Representative	Independent Odour Patrol Team	OSCAR Bioenergy JV
Name	FIONA LAM	Patrick Yam		Sarah HO
Signature	Fiona	K	NA	Sarah
Date	19/11/2018	19/11/18		19 / 11 / 2018

6. Appendix

Organic Resources Recovery Centre (Phase 1)

Odour Patrol Record Log Sheet

Parameter	Observations
Date	19 / 11 / 2018
Start & End Time (24hr)	From 11:30 To 11:56
Type of Patrol	~~Weekly / Monthly / Ac hoc / Follow-up /~~ T&C Period
Weather Condition	(Sunny) / Cloudy / Windy / Humid / Foggy /
Temperature (℃)	25.9
Relative Humidity (%)	55
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / (7) / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / (8)
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	Smoking smell
Possible Source of Odour	Staff
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
~~Follow-up Actions~~ Remark	

	EPD Representative	Employer Representative	Independent Odour Patrol Team	OSCAR Bioenergy JV
Name	FIONA LAM	Patrick Jim		Sarah HO
Signature	Fiona	[signature]	NA	Sarah
Date	19/11/2018	19/11/18		19/11/2018

6. Appendix

Organic Resources Recovery Centre (Phase 1)

Odour Patrol Record Log Sheet

Parameter	Observations
Date	21 / 11 / 2018
Start & End Time (24hr)	From 11:33 To 11:55
Type of Patrol	~~Weekly / Monthly / Ad hoc / Follow-up~~ T & C Period
Weather Condition	Sunny / Cloudy / Windy / Humid / Foggy /
Temperature (℃)	26.2
Relative Humidity (%)	71
Monitoring Point	(1) / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / (2) / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	Hot Plastic
Possible Source of Odour	PSV of Biogas Holder
Monitoring Point	1 / 2 / (3) / 4 / 5 / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / (4) / 5 / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / (5) / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / (6) / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
~~Follow-up Actions~~ Remark	
Centrifuge louver has strong digestate smell.	

	EPD Representative	Employer Representative	Independent Odour Patrol Team	OSCAR Bioenergy JV
Name	FIONA LAM			Sarah HO
Signature	Fiona	NA	NA	Sarah
Date	21/11/2018			21 / 11 / 2018

6. Appendix

Organic Resources Recovery Centre (Phase 1)

Odour Patrol Record Log Sheet

Parameter	Observations
Date	21 / 11 / 2018
Start & End Time (24hr)	From 11:33 To 11:55
Type of Patrol	~~Weekly / Monthly / Ac hoc / Follow-up /~~ T&C Period
Weather Condition	(Sunny) / Cloudy / Windy / Humid / Foggy /
Temperature (℃)	26.2
Relative Humidity (%)	71
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / (7) / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / (8)
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
~~Follow-up Actions~~ Remark	

	EPD Representative	Employer Representative	Independent Odour Patrol Team	OSCAR Bioenergy JV
Name	FIONA LAU			Sarah HO
Signature	Fion	NA	NA	Sarah
Date	21/11/2018			21/11/2018

6. Appendix

Organic Resources Recovery Centre (Phase 1)

Odour Patrol Record Log Sheet

Parameter	Observations
Date	23 Nov 2018
Start & End Time (24hr)	From 10:30 To 10:47
Type of Patrol	~~Weekly / Monthly / Ad hoc / Follow-up /~~ T & C Period
Weather Condition	(Sunny) / Cloudy / Windy / Humid / Foggy /
Temperature (℃)	25°C
Relative Humidity (%)	54%
Monitoring Point	(1) / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / (2) / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	Mostly smell
Possible Source of Odour	PSV of Gas Holder
Monitoring Point	1 / 2 / (3) / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	Smell of food waste
Possible Source of Odour	Opening of maintenance Platform Gate
Monitoring Point	1 / 2 / 3 / (4) / 5 / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / (5) / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / (6) / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
~~Follow-up Actions~~ Remark	

	EPD Representative	Employer Representative	Independent Odour Patrol Team	OSCAR Bioenergy JV
Name	David Choi			Terence CHAN
Signature			NA	
Date	23/11/2018			23/11/2018

suez NWS ATAL RosRoca
OSCAR Bioenergy Joint Venture

6. Appendix

Organic Resources Recovery Centre (Phase 1)

Odour Patrol Record Log Sheet

Parameter	Observations
Date	23 Nov 2018
Start & End Time (24hr)	From 10:30 To 10:47
Type of Patrol	~~Weekly / Monthly / Ac hoc / Follow-up /~~ T&C Period
Weather Condition	(Sunny) / Cloudy / Windy / Humid / Foggy /
Temperature (℃)	25°C
Relative Humidity (%)	54%
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / (7) / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / (8)
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
~~Follow-up Actions~~ Remark	

	EPD Representative	Employer Representative	Independent Odour Patrol Team	OSCAR Bioenergy JV
Name	Daniel Choi			Terence CHAN
Signature	[signature]		NA	[signature]
Date	23/11/2018			23/11/2018

6. Appendix

Organic Resources Recovery Centre (Phase 1)

Odour Patrol Record Log Sheet

Parameter	Observations
Date	26 / 11 / 2018
Start & End Time (24hr)	From 13:36 To 14:01
Type of Patrol	~~Weekly / Monthly / Ad-hoc / Follow-up~~ / T&C Period Patrol
Weather Condition	Sunny / Cloudy / Windy / Humid / Foggy /
Temperature (℃)	23.6
Relative Humidity (%)	66
Monitoring Point	(1) / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / (2) / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	Strong Hot Plastic (Intermittent) (nearly 2)
Possible Source of Odour	PSV of Biogas Holder
Monitoring Point	1 / 2 / (3) / 4 / 5 / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / (4) / 5 / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / (5) / 6 / 7 / 8
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	Grass Smell
Possible Source of Odour	Plant
Monitoring Point	1 / 2 / 3 / 4 / 5 / (6) / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Follow-up Actions	

	EPD Representative	Employer Representative	Independent Odour Patrol Team	OSCAR Bioenergy JV
Name	FIONA LAM	Patrick Jin		Sarah HO
Signature	Fiona	P	NA	Sarah
Date	26/11/2018	26/11/18.		26/11/2018

6. Appendix

Organic Resources Recovery Centre (Phase 1)

Odour Patrol Record Log Sheet

Parameter	Observations
Date	26 / 11 / 2018
Start & End Time (24hr)	From 13:36 To 14:01
Type of Patrol	~~Weekly / Monthly / Ac hoc / Follow up~~ / T&C Period Patrol
Weather Condition	Sunny / (Cloudy) / Windy / Humid / Foggy /
Temperature (℃)	23.6
Relative Humidity (%)	66
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / (7) / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / (8)
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Follow-up Actions	

	EPD Representative	Employer Representative	Independent Odour Patrol Team	OSCAR Bioenergy JV
Name	FIONA LAM	Patrick Jim		Sarah HO
Signature	[signature]	[signature]	NA	[signature]
Date	26/11/2018	26/11/18		26/11/2018

6. Appendix

Organic Resources Recovery Centre (Phase 1)

Odour Patrol Record Log Sheet

Parameter	Observations
Date	28 / 11 / 2018
Start & End Time (24hr)	From 11:26 To 11:44
Type of Patrol	~~Weekly / Monthly / Ac hoc / Follow-up~~ / T&C Period Patrol
Weather Condition	Sunny / (Cloudy) / Windy / Humid / Foggy /
Temperature (℃)	23.2
Relative Humidity (%)	74
Monitoring Point	(1) / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / (2) / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	Minor Hot Plastic
Possible Source of Odour	PSV of Biogas Holder
Monitoring Point	1 / 2 / (3) / 4 / 5 / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / (4) / 5 / 6 / 7 / 8
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	Compost smell
Possible Source of Odour	Mixing Unit
Monitoring Point	1 / 2 / 3 / 4 / (5) / 6 / 7 / 8
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	Grass smell
Possible Source of Odour	Tree
Monitoring Point	1 / 2 / 3 / 4 / 5 / (6) / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Follow-up Actions	
Centrifuge lower with digestate smell (minor).	

	EPD Representative	Employer Representative	Independent Odour Patrol Team	OSCAR Bioenergy JV
Name	Tess CHAN			Sarah HO
Signature	Tess	NA	NA	Sarah
Date	28 Nov 2018			28/11/2018

6. Appendix

Organic Resources Recovery Centre (Phase 1)

Odour Patrol Record Log Sheet

Parameter	Observations
Date	28 / 11 / 2018
Start & End Time (24hr)	From 11:26 To 11:44
Type of Patrol	~~Weekly / Monthly / Ac hoc / Follow up~~ / T&C Period Patrol
Weather Condition	Sunny / (Cloudy) / Windy / Humid / Foggy /
Temperature (℃)	23.2
Relative Humidity (%)	74
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / (7) / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / (8)
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	sewage smell
Possible Source of Odour	Main Gate Channel
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Follow-up Actions	

	EPD Representative	Employer Representative	Independent Odour Patrol Team	OSCAR Bioenergy JV
Name	Tess CHAN			Sarah HO
Signature	[signature]	NA	NA	Sarah
Date	28 Nov 2018			28 / 11 / 2018

6. Appendix

Organic Resources Recovery Centre (Phase 1)

Odour Patrol Record Log Sheet

Parameter	Observations
Date	30 / 11 / 2018
Start & End Time (24hr)	From 11:21 To 11:40
Type of Patrol	Weekly / (Monthly) / Ad hoc / Follow-up / T&C Period
Weather Condition	(Sunny) / Cloudy / Windy / Humid / Foggy /
Temperature (℃)	24.6
Relative Humidity (%)	59.6
Monitoring Point	(1) / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / (2) / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	Plastic
Possible Source of Odour	Biogas Holder relief valve
Monitoring Point	1 / 2 / (3) / 4 / 5 / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / (4) / 5 / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / (5) / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	P1 : 0 P2 : 1 Grass
Possible Source of Odour	Grass
Monitoring Point	1 / 2 / 3 / 4 / 5 / (6) / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	P1 : 0 P2 : 1 Garbage
Possible Source of Odour	Process hall
Follow-up Actions	

	EPD Representative	Employer Representative	Independent Odour Patrol Team	OSCAR Bioenergy JV
Name	FIONA LAM	Patrick Yim	Pan YUEN / Edwin WONG	Sarah HO
Signature				
Date	30/11/2018	30/11/18	30/11/2018	30/11/2018

6. Appendix

Organic Resources Recovery Centre (Phase 1)

Odour Patrol Record Log Sheet

Parameter	Observations
Date	30 / 11 / 2018
Start & End Time (24hr)	From 11:21 To 11:40
Type of Patrol	Weekly / Monthly / Ad hoc / Follow-up / T&C Period (Monthly circled)
Weather Condition	Sunny / Cloudy / Windy / Humid / Foggy / (Sunny circled)
Temperature (℃)	24.6
Relative Humidity (%)	59.6
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8 (7 circled)
Intensity of Odour	0 / 1 / 2 / 3 / 4 (1 circled)
Characteristic of Odour	Garbage
Possible Source of Odour	Unloading Bay
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8 (8 circled)
Intensity of Odour	0 / 1 / 2 / 3 / 4 (0 circled)
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Follow-up Actions	

	EPD Representative	Employer Representative	Independent Odour Patrol Team	OSCAR Bioenergy JV
Name	FIONA LAM	Patrick [illegible]	Pan YUEN / Edwin WONG	Sarah HO
Signature	[signature]	[signature]	[signature]	Sarah
Date	30/11/2018	30/11/2018	30/11/2018	30/11/2018

6. Appendix

Organic Resources Recovery Centre (Phase 1)

Odour Patrol Record Log Sheet

Parameter	Observations
Date	30 / 11 / 2018
Start & End Time (24hr)	From 17:55 To 18:16
Type of Patrol	Weekly / (Monthly) / Ad hoc / Follow-up / T&C Period
Weather Condition	Sunny / (Cloudy) / Windy / Humid / Foggy /
Temperature (℃)	23.5
Relative Humidity (%)	67.8
Monitoring Point	(1) / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / (2) / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	Plastic
Possible Source of Odour	Biogas Holder Relief Valve
Monitoring Point	1 / 2 / (3) / 4 / 5 / 6 / 7 / 8
Intensity of Odour	(0) / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / (4) / 5 / 6 / 7 / 8
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	Biogas
Possible Source of Odour	Composting Building
Monitoring Point	1 / 2 / 3 / 4 / (5) / 6 / 7 / 8
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	Ammonia
Possible Source of Odour	Process Hall
Monitoring Point	1 / 2 / 3 / 4 / 5 / (6) / 7 / 8
Intensity of Odour	0 / (1) / 2 / 3 / 4
Characteristic of Odour	compost
Possible Source of Odour	Process Hall
Follow-up Actions	

	EPD Representative	Employer Representative	Independent Odour Patrol Team	OSCAR Bioenergy JV
Name	FIONA LAM	Philip Cheung	Pan Yuen / Edwin Ng	Sarah HO
Signature	FLM		Pan	Sarah
Date	30/11/2018	30/11/2018	30/11/2018	30/11/2018

6. Appendix

Organic Resources Recovery Centre (Phase 1)

Odour Patrol Record Log Sheet

Parameter	Observations
Date	30 / 11 / 2018
Start & End Time (24hr)	From 17:55 To 18:16
Type of Patrol	Weekly / Monthly / Ad hoc / Follow-up / T&C Period
Weather Condition	Sunny / Cloudy / Windy / Humid / Foggy /
Temperature (℃)	23.5
Relative Humidity (%)	67.8
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Monitoring Point	1 / 2 / 3 / 4 / 5 / 6 / 7 / 8
Intensity of Odour	0 / 1 / 2 / 3 / 4
Characteristic of Odour	
Possible Source of Odour	
Follow-up Actions	

	EPD Representative	Employer Representative	Independent Odour Patrol Team	OSCAR Bioenergy JV
Name	FIONA LAM	Philip Cheung	Pan Yuen / Edwin	Sarah HO
Signature	[signature]	[signature]	[signature]	Sarah
Date	30/11/2018	30/11/2018	30/11/2018	30/11/2018

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

CERTIFICATE OF ANALYSIS

CLIENT:	Oscar Bioenergy Joint Venture	WORK ORDER:	HK1862874
CONTACT:	Mr Edwin Wong		
ADDRESS:	No. 5, Sham Fung Road, Siu Ho Wan, North Lantau Island, NT, Hong Kong	LABORATORY:	Hong Kong
		SUB-BATCH:	0
		DATE OF PATROL:	30 November 2018
		DATE OF ISSUE:	14 December 2018
PROJECT:	Odour Patrol for the Organic Resources Recovery Centre Phase 1 in Siu Ho Wan		
SITE:	Organic Resources Recovery Centre Phase 1 (ORRC1)		

COMMENTS

Date of Odour Patrol: 30 November 2018.
Odour Patrols were conducted by ALS Technichem (HK) Pty Ltd staff during 11:21 – 11:40 and 17:55 – 18:16.

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.

Richard Fung
General Manager - Hong Kong

1. Summary of Work

The odour patrol was conducted during daytime and evening / night 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.

Two odour patrol team members from ALS Technichem (HK) Pty Ltd were sent to conduct the patrol work during each session. All members are free from any respiratory diseases during patrol day. None of the members has been working or living in the area in the vicinity of the inspection area.

The odour patrol was conducted during daytime and evening / night time.

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 are 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 is 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
1	1	Sunny	11:21	24.6	59.6	1.2	194	0	NA	NA	NA	NA
	2							0				
2	1	Sunny	11:23	24.5	57.7	1.3	116	1	Continuous	Upwind	Plastic	Biogas Holder Tank Relief Valve
	2							1	Continuous	Upwind	Plastic	Biogas Holder Tank Relief Valve
3	1	Sunny	11:25	25.7	60.8	0	NA	0	NA	NA	NA	NA
	2							0				
4	1	Sunny	11:28	24.5	50.6	1.2	119	0	NA	NA	NA	NA
	2							0				
5	1	Sunny	11:30	25.8	52.6	0.9	306	0	NA	NA	NA	NA
	2							1	Intermittent	Side wind	Grassy	Nearby vegetation

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	Sunny	11:34	23.7	52.8	2.9	099	0	NA	NA	NA	NA
	2							1	Intermittent	Side wind	Garbage	Process Hall
7	1	Sunny	11:37	25.4	53.2	1.9	104	1	Continuous	Side wind	Garbage	Unloading Bay
	2							1	Continuous	Side wind	Garbage	Unloading Bay
8	1	Sunny	11:40	25.2	56.6	2.4	086	0	NA	NA	NA	NA
	2							0				

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

3.2. Evening / Night 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
1	1	Fine	17:55	23.5	67.8	0.7	296	0	NA	NA	NA	NA
	2							0				
2	1	Fine	17:57	21.9	77.6	0.4	014	1	Continuous	Upwind	Plastic	Biogas Holder Tank Relief Valve
	2							1	Continuous	Upwind	Plastic	Biogas Holder Tank Relief Valve
3	1	Fine	18:00	21.5	80.8	0	NA	0	NA	NA	NA	NA
	2							0				
4	1	Fine	18:02	24.3	76.5	0	NA	1	Intermittent	NA	Decayed Food	Composting Building
	2							1	Intermittent	NA	Decayed Food	Composting Building
5	1	Fine	18:06	22.8	75.1	0.5	301	1	Continuous	Side wind	Urine	Process Hall
	2							1	Continuous	Side wind	Urine	Process Hall

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	Fine	18:10	23.0	69.8	1.0	086	1	Continuous	Side wind	Decay Food	Process Hall
	2							1	Continuous	Side wind	Decay Food	Process Hall
7	1	Fine	18:14	22.8	69.8	0	NA	0	NA	NA	NA	NA
	2							0				
8	1	Fine	18:16	23.3	78.1	0	NA	0	NA	NA	NA	NA
	2							0				

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

APPENDIX 1
Odour Patrol Route

Proposed Patrol Route

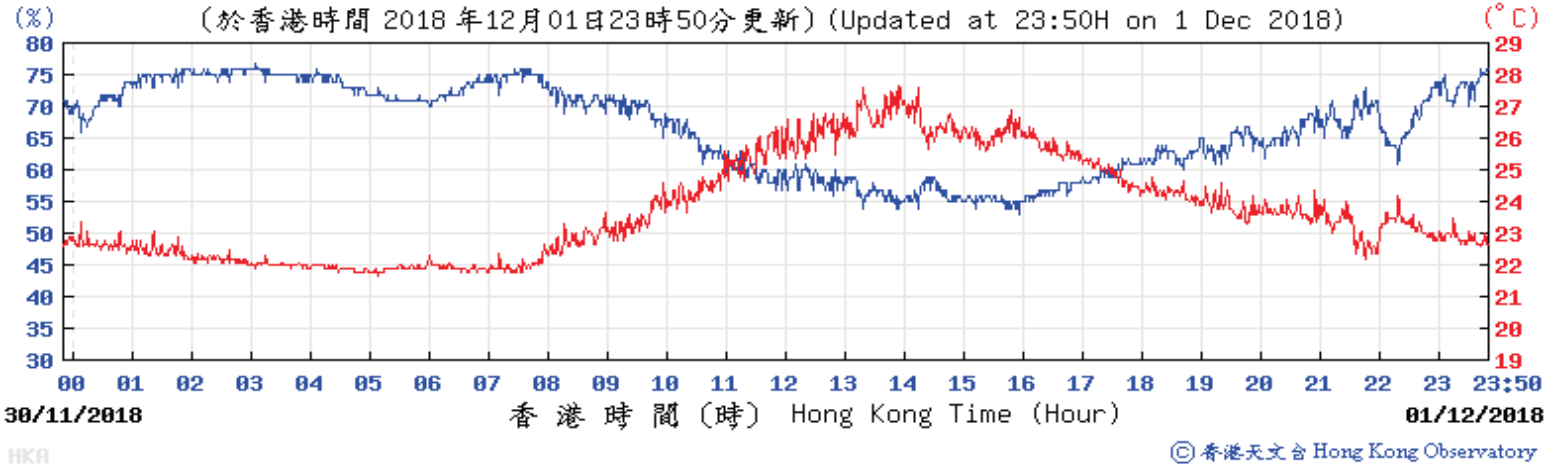
Possible Odour Sources (No.) / Checkpoint

Assumed Odour Potential (normal operation)
From 1 (min.) to 3 (max.)

APPENDIX 2

Extract Of Meteorological Observations From Hong Kong Airport Observatory Station

Tempearture/Humidity:



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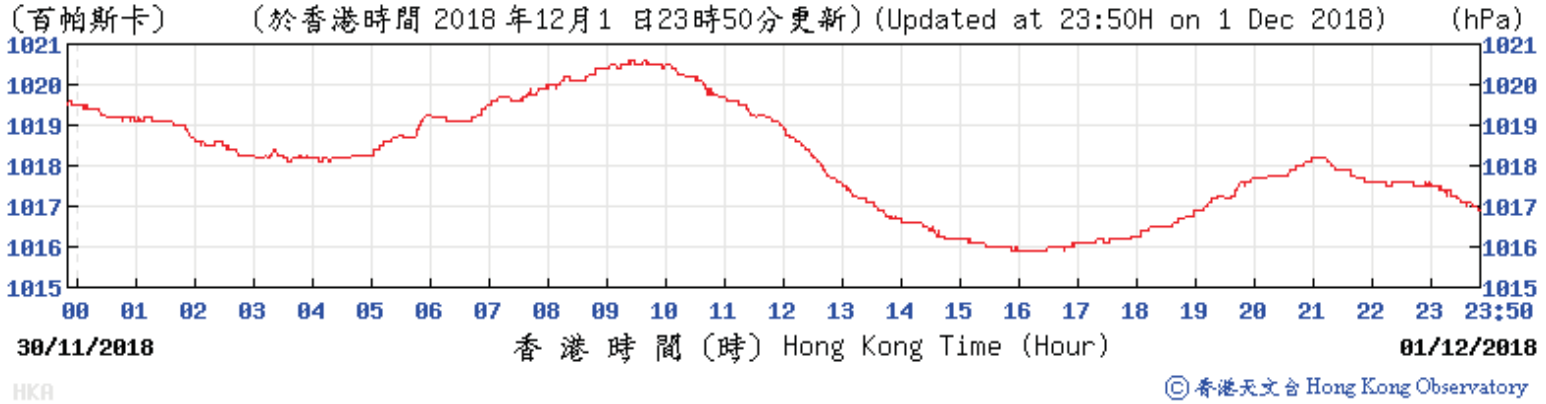
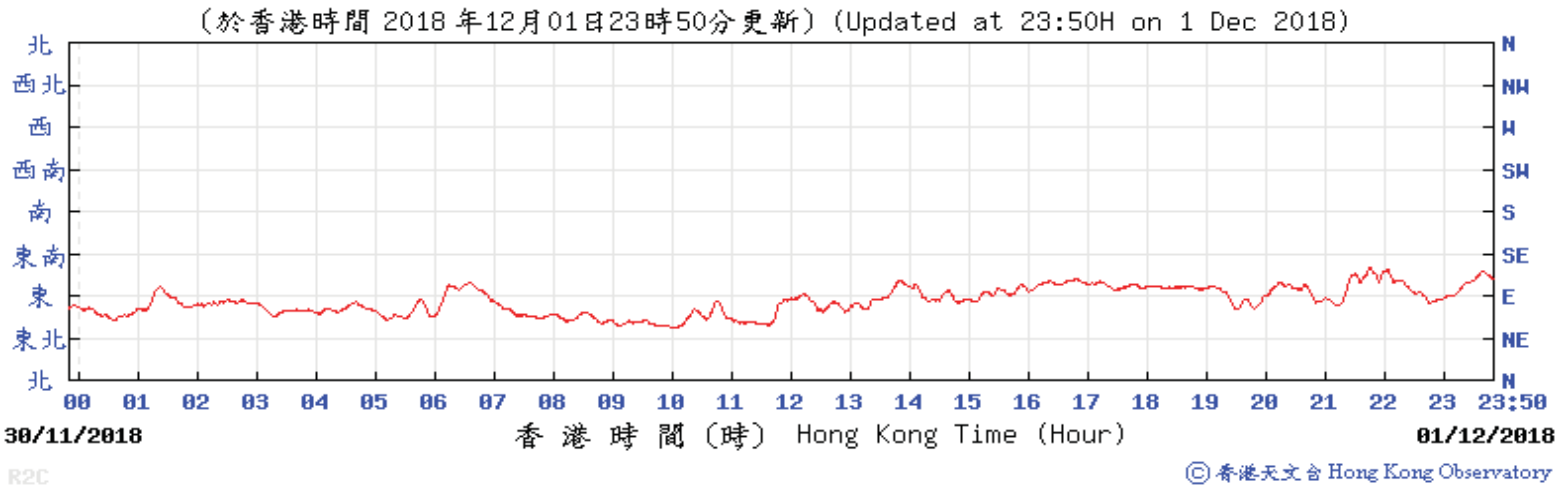
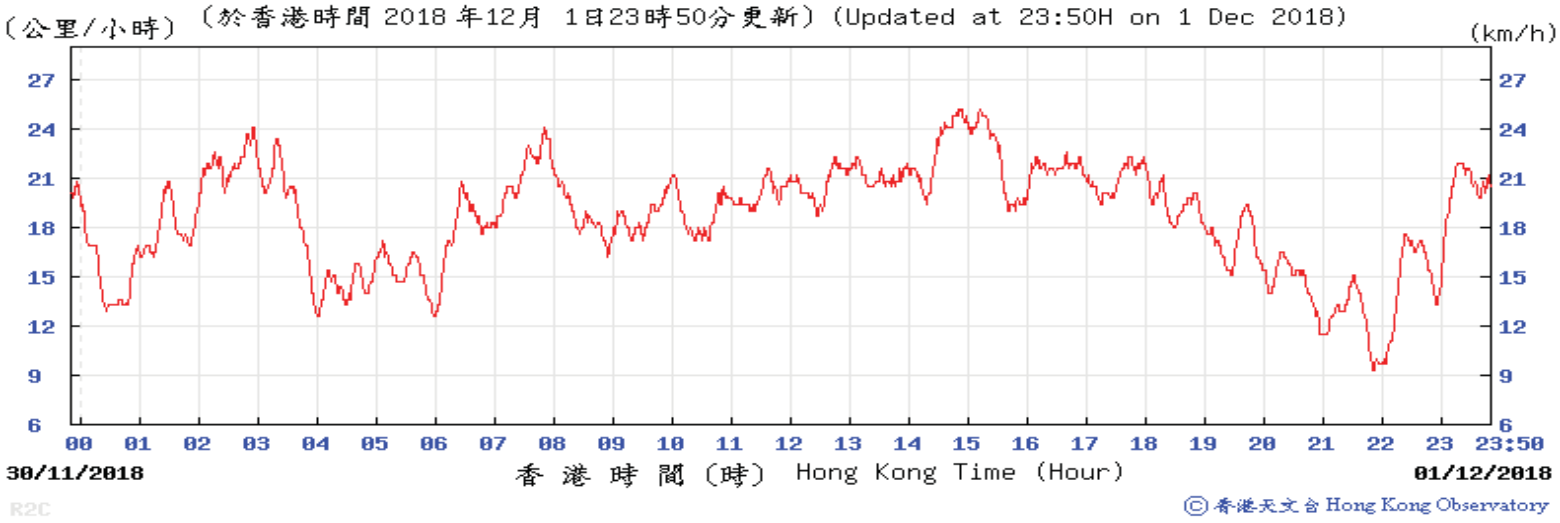


Wind Direction:



Wind Speed:



APPENDIX 3

A3.1. Odour Patrol at Different Locations – Daytime

Location: 1

Location: 2

Location: 3

Location: 4

Location: 5

Location: 6

Location: 7

Location: 8

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

Location: 1

Location: 2

Location: 3

Location: 4

Location: 5

Location: 6

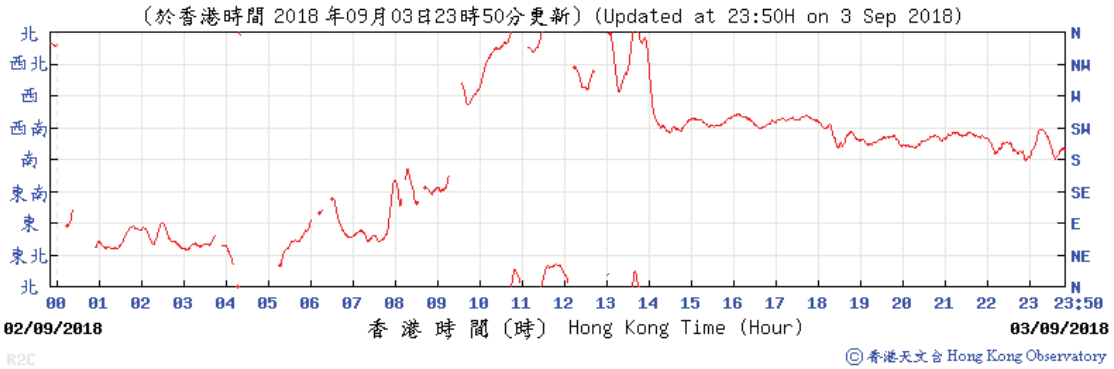
Location: 7

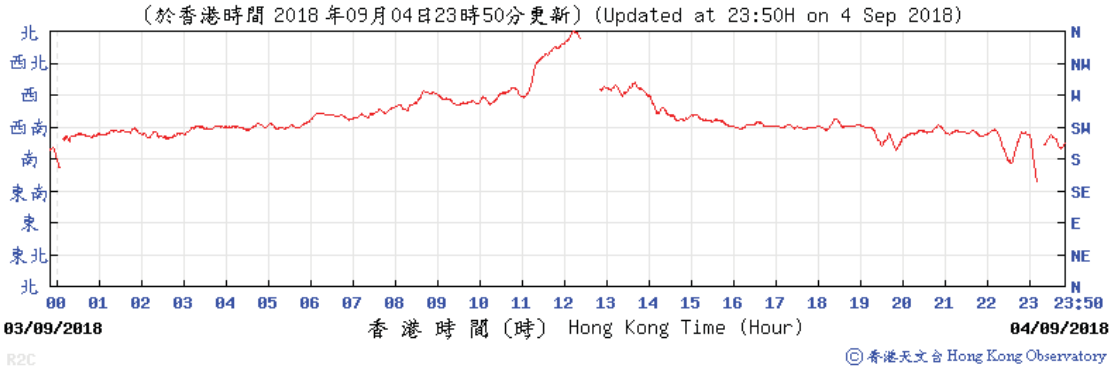
Location: 8

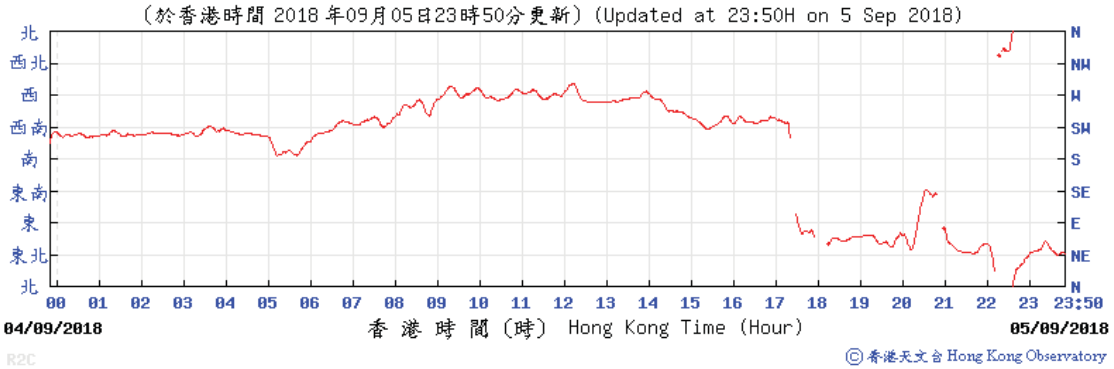
Annex H2

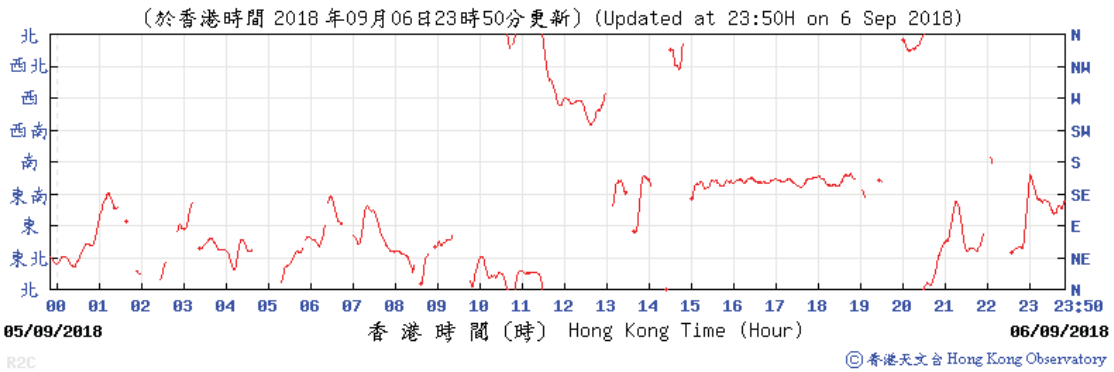
Local Wind Direction and Wind Speed

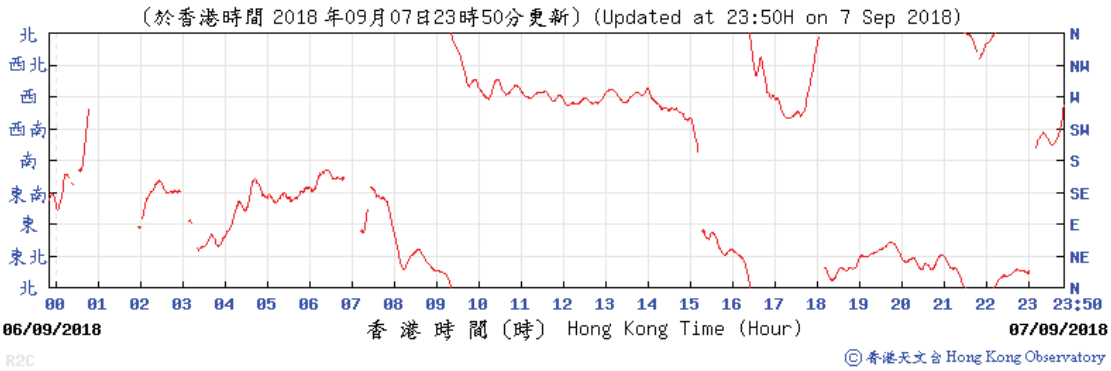
Wind Direction







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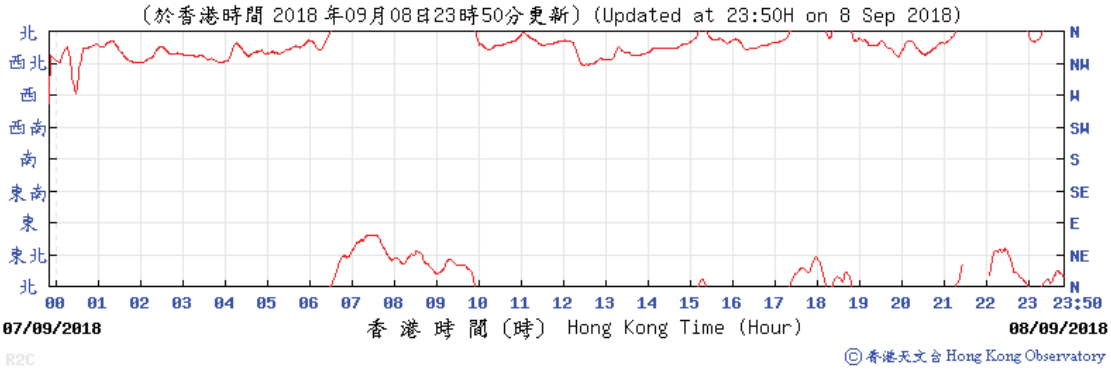
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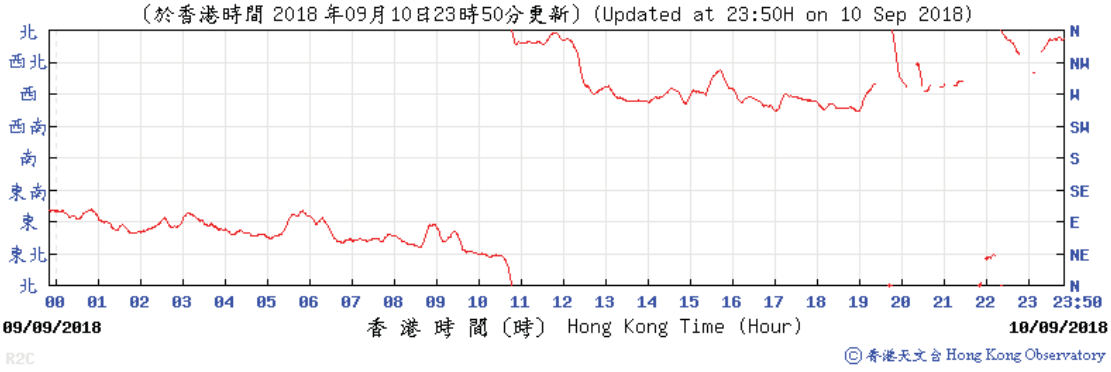
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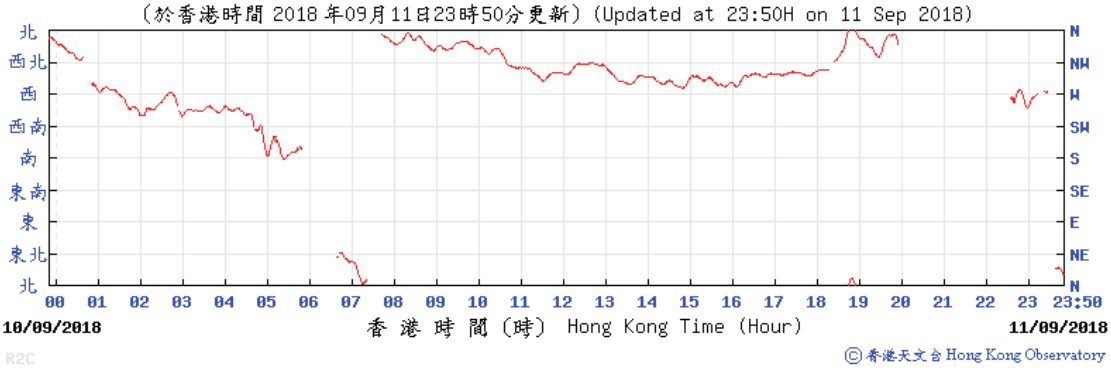
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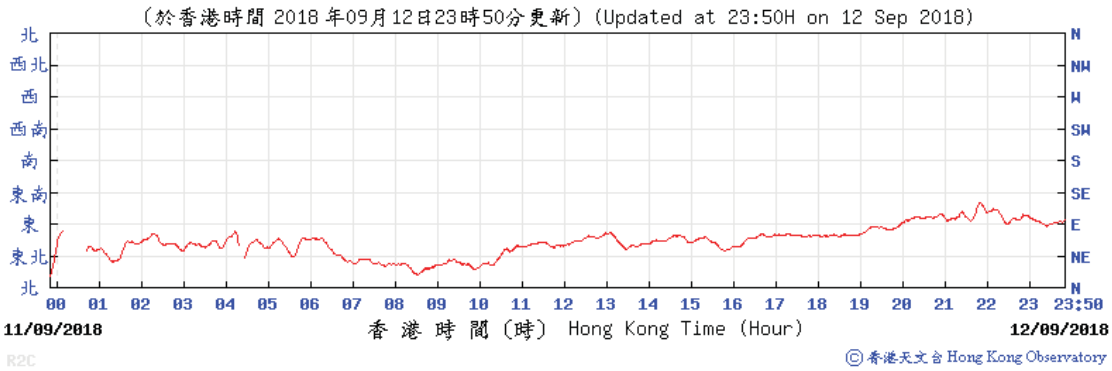
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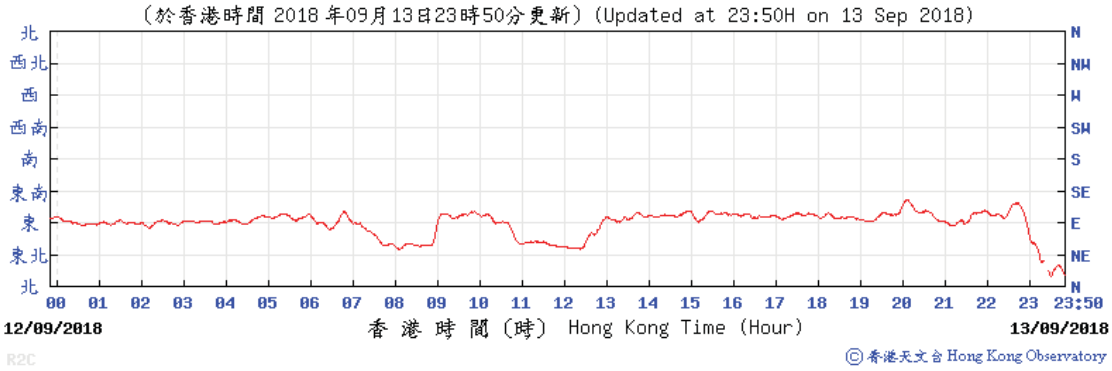
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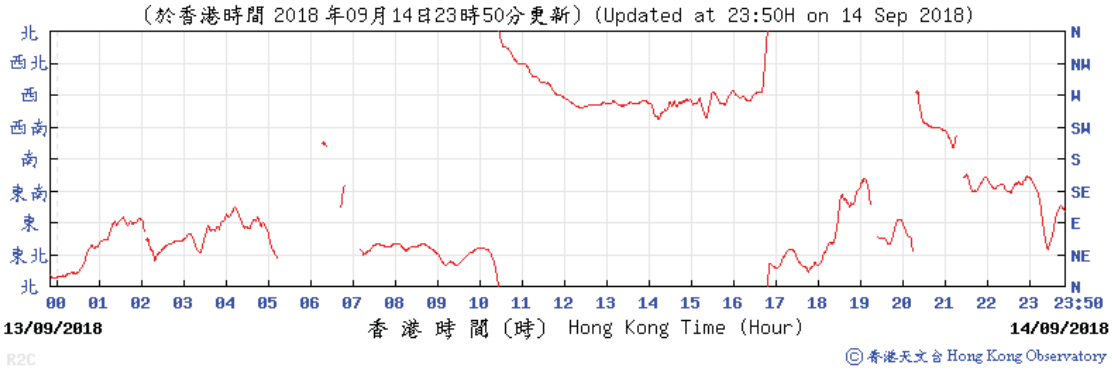
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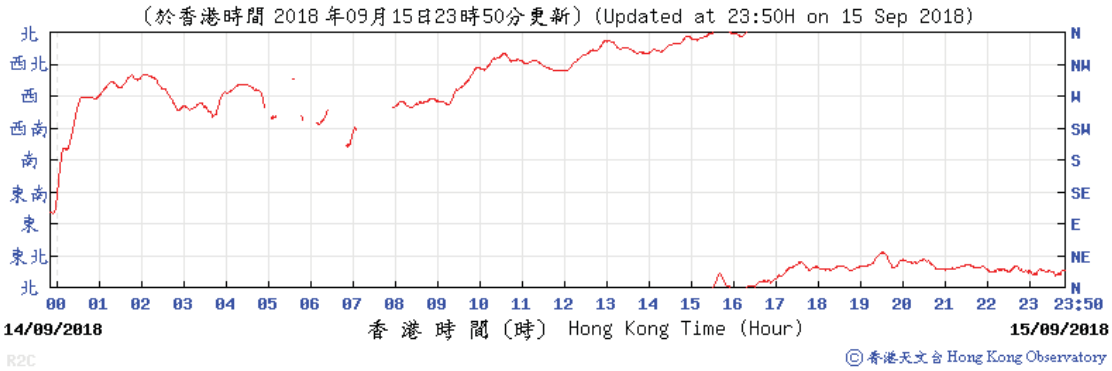
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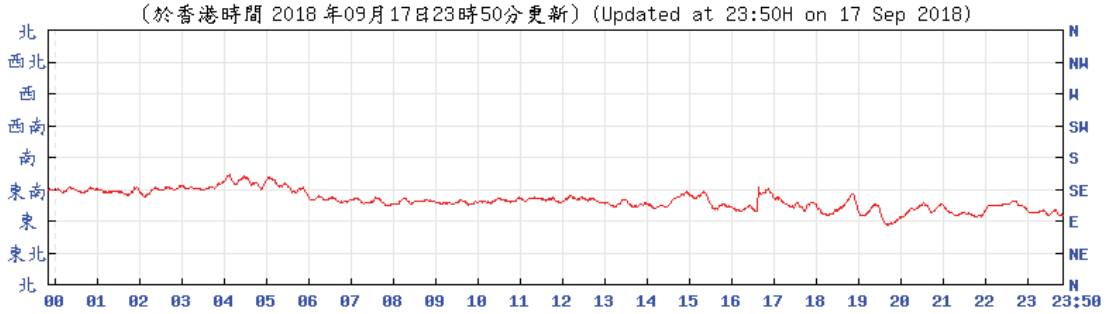

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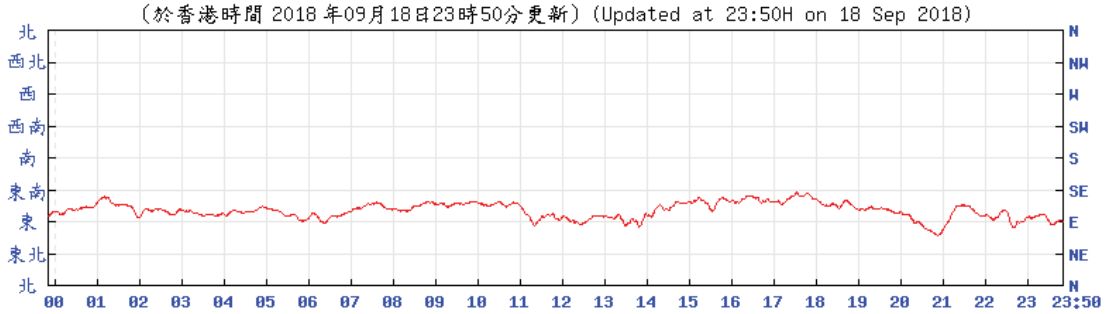

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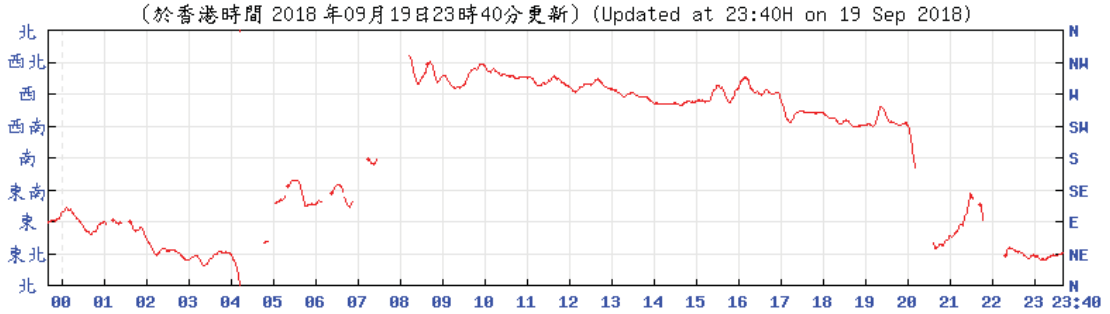

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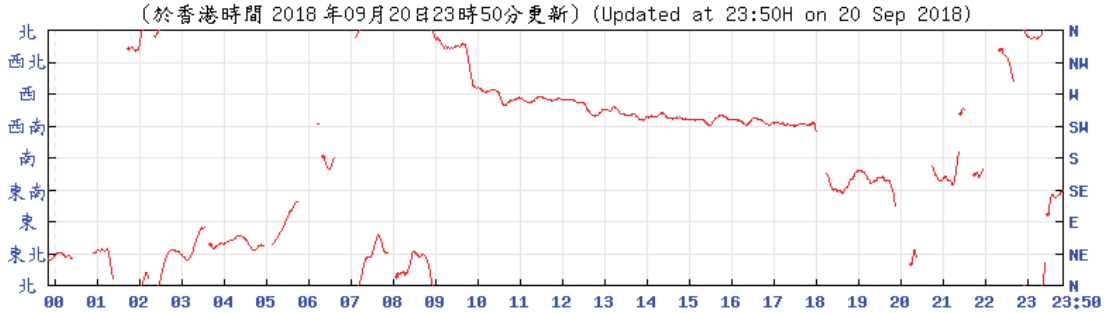

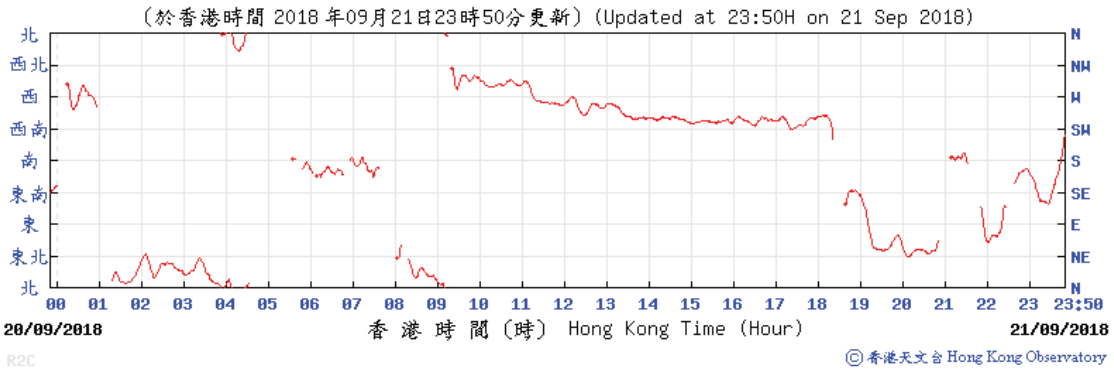
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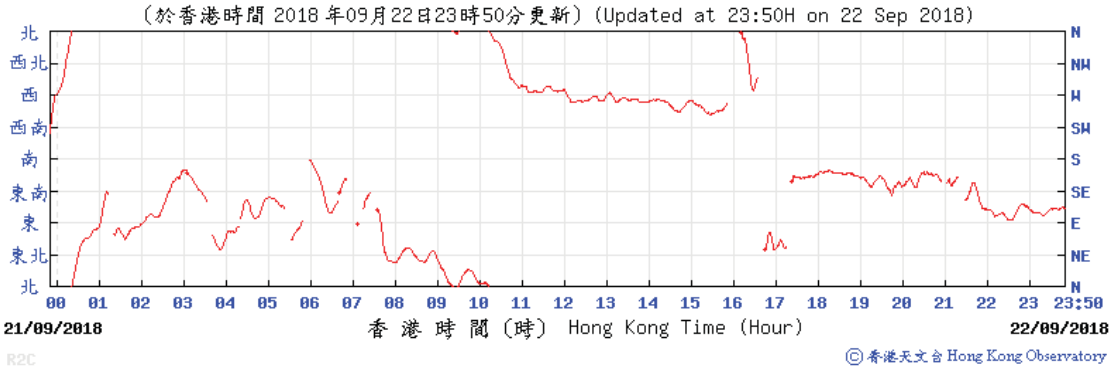
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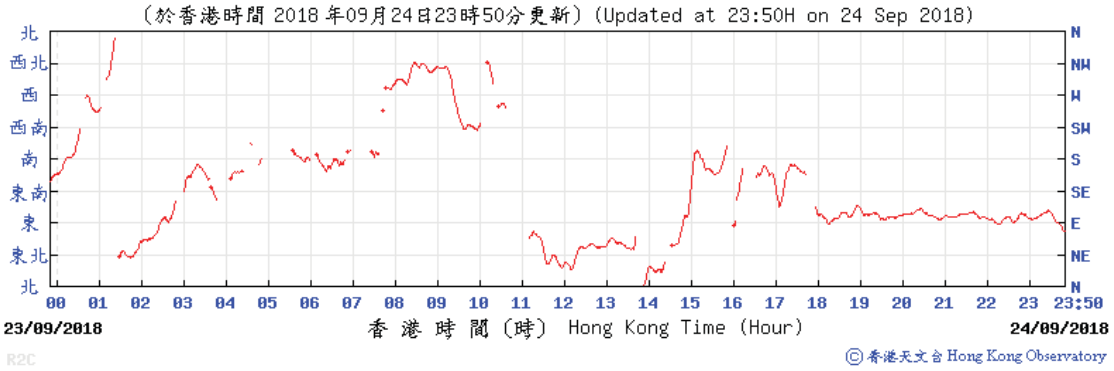
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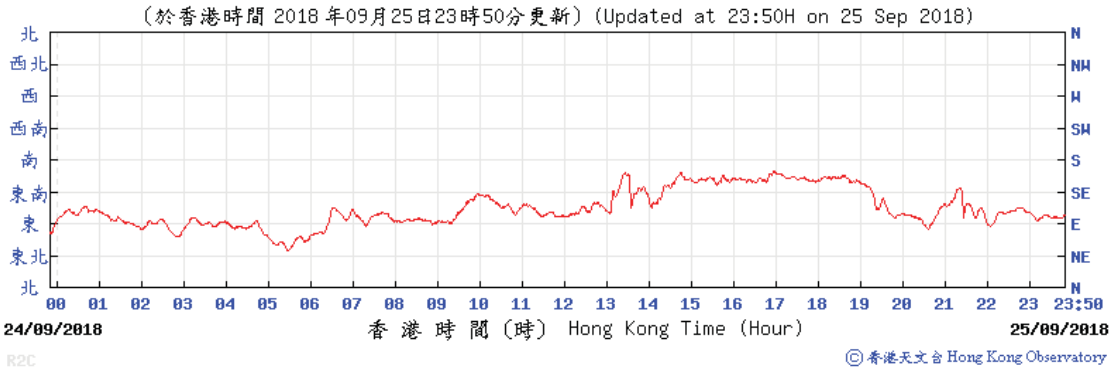
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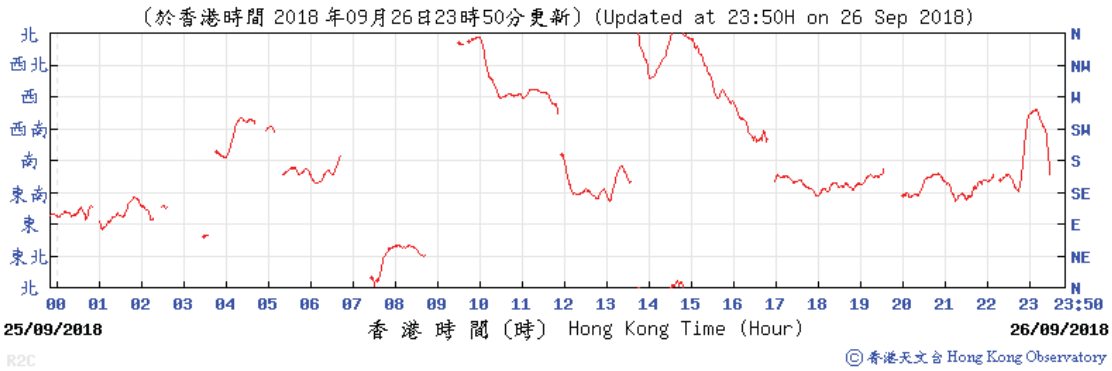
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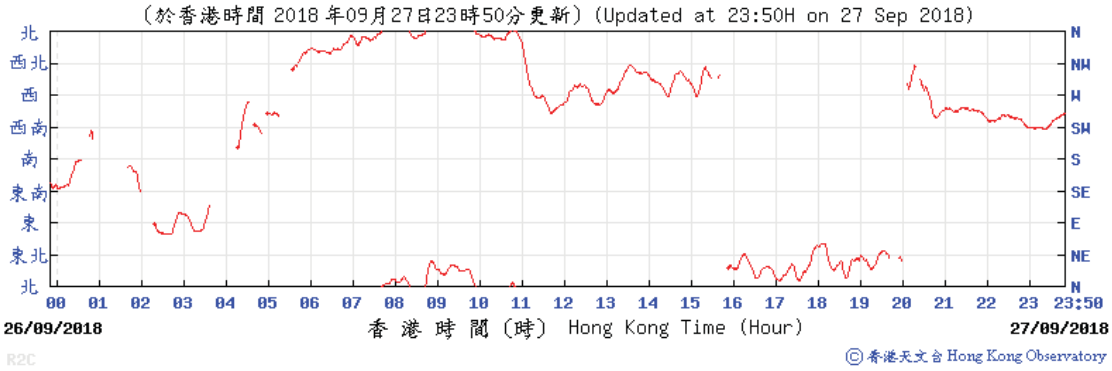
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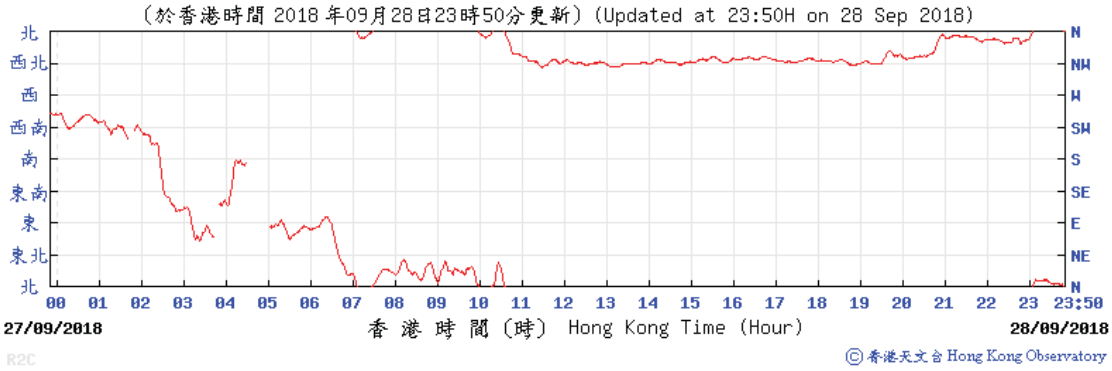
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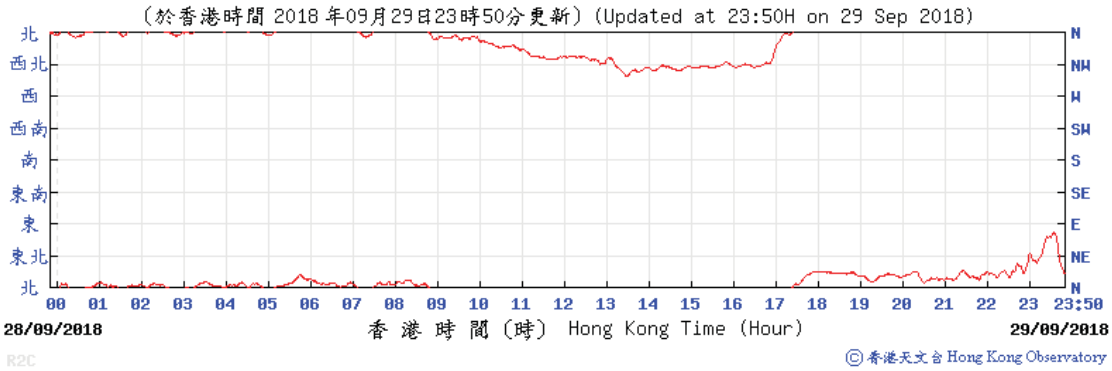
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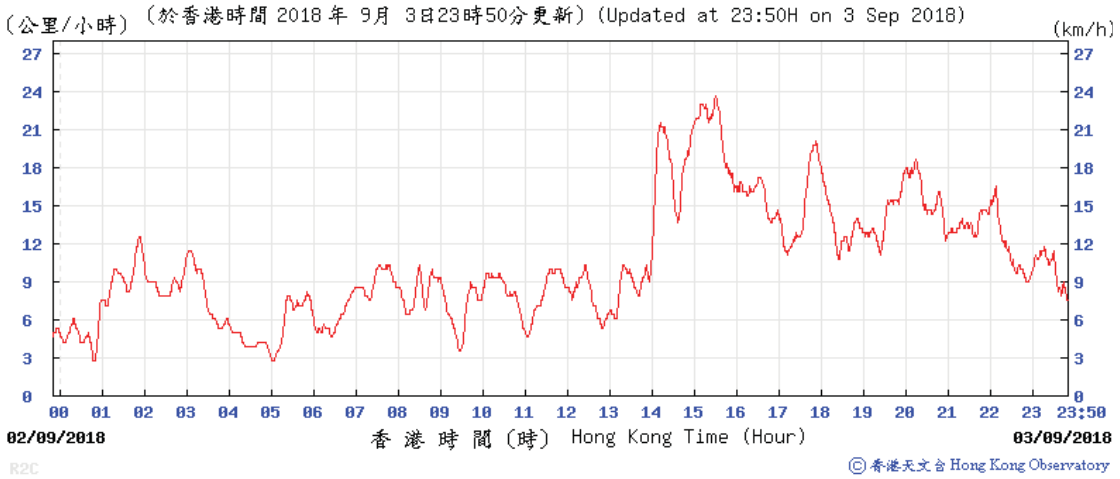
Wind Speed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03/09/2018
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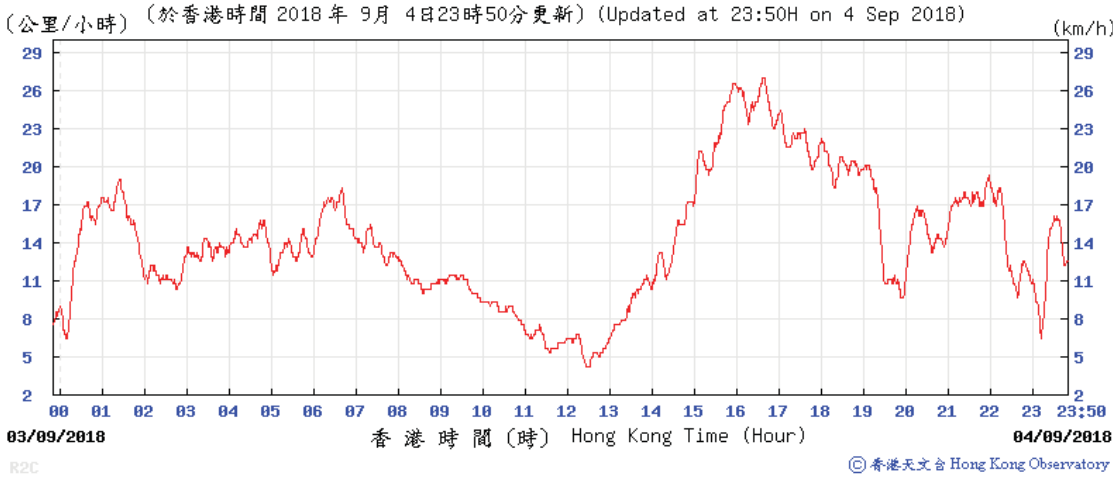
(公里/小時) (於香港時間 2018 年 9月 4日23時50分更新) (Updated at 23:50H on 4 Sep 2018)
(km/h)
03/09/2018
香 港 時 間 (時) Hong Kong Time (Hour)
04/09/2018
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(公里/小時) (於香港時間 2018 年 9月 5日23時50分更新) (Updated at 23:50H on 5 Sep 2018)
(km/h)
04/09/2018
香 港 時 間 (時) Hong Kong Time (Hour)
05/09/2018
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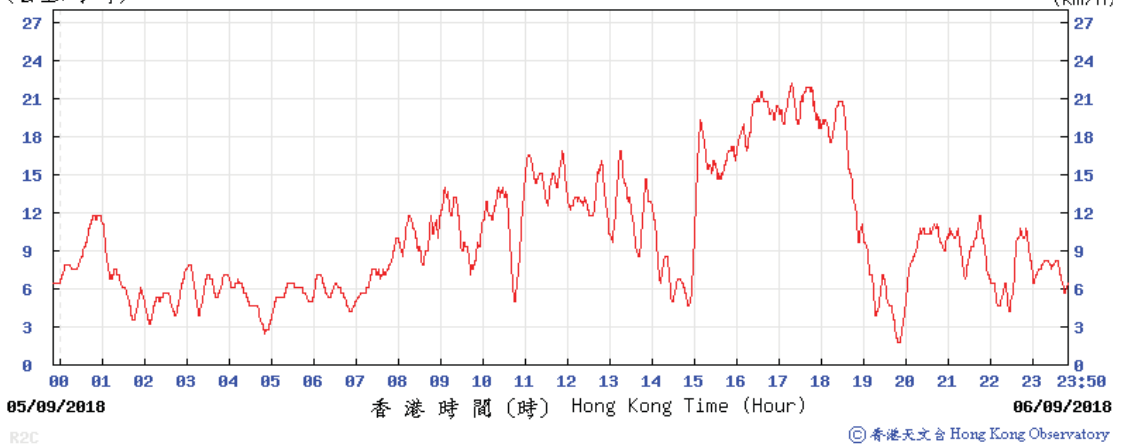
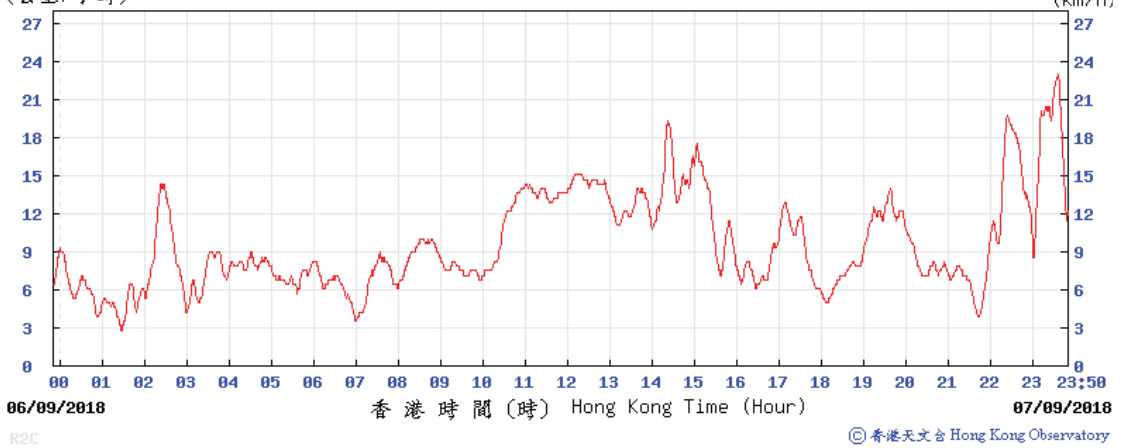
(公里/小時) (於香港時間 2018 年 9月 6日23時50分更新) (Updated at 23:50H on 6 Sep 2018) (km/h)



05/09/2018 香 港 時 間 (時) Hong Kong Time (Hour) 06/09/2018

R2C

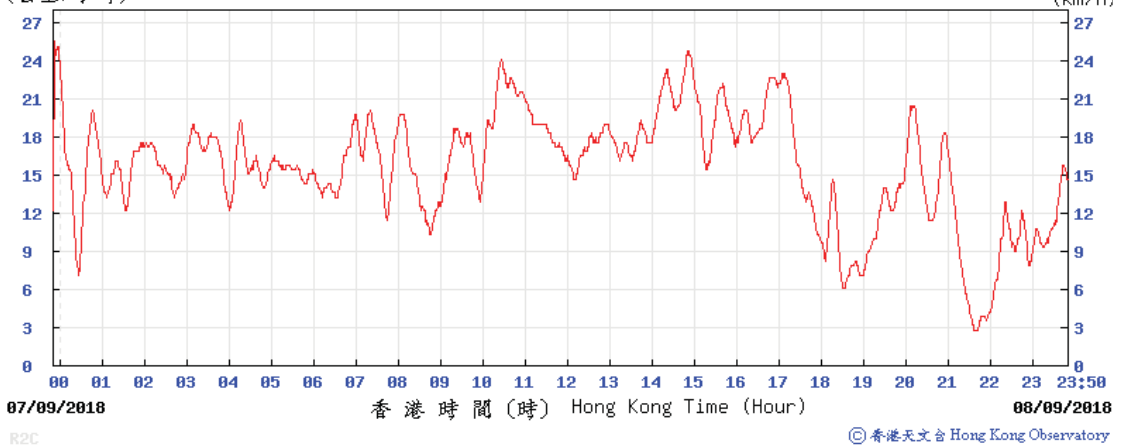
(公里/小時) (於香港時間 2018 年 9月 7日23時50分更新) (Updated at 23:50H on 7 Sep 2018) (km/h)



06/09/2018 香 港 時 間 (時) Hong Kong Time (Hour) 07/09/2018

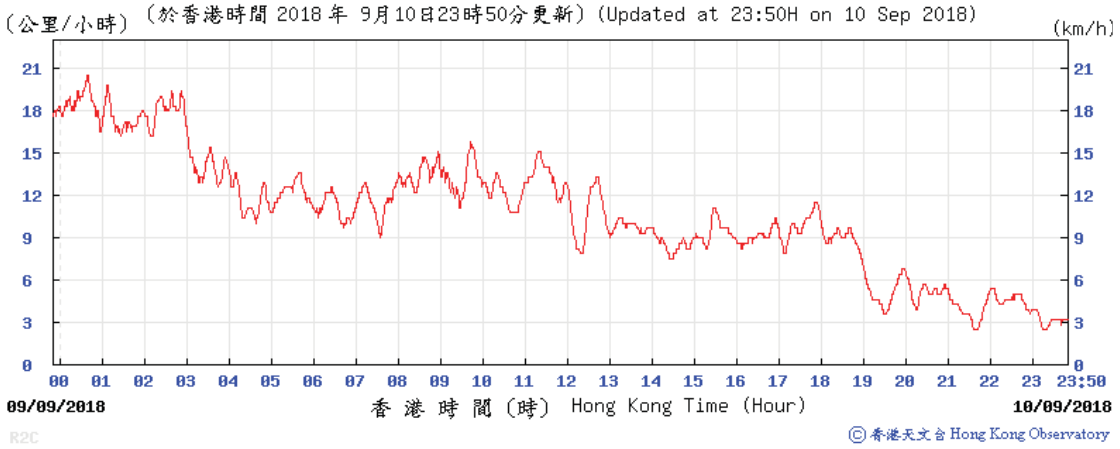
R2C

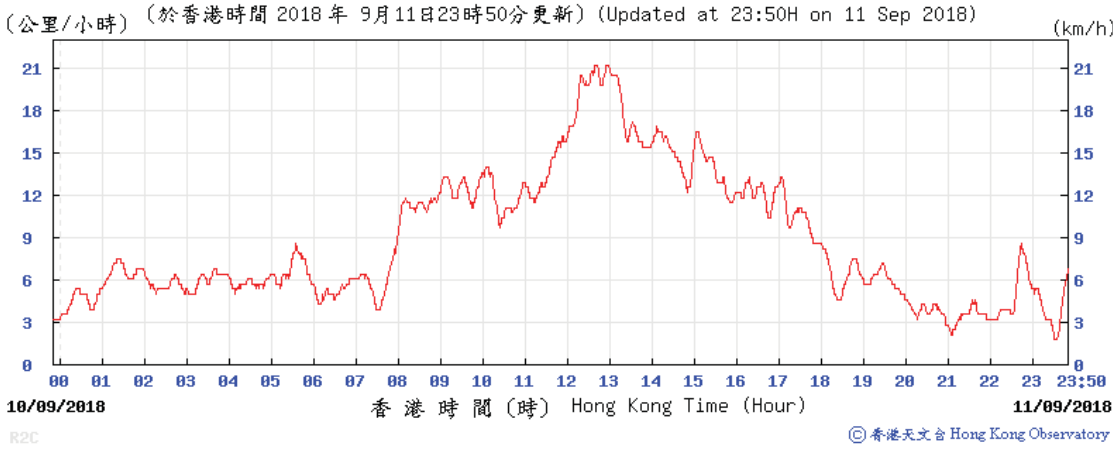
(公里/小時) (於香港時間 2018 年 9月 8日23時50分更新) (Updated at 23:50H on 8 Sep 2018) (km/h)

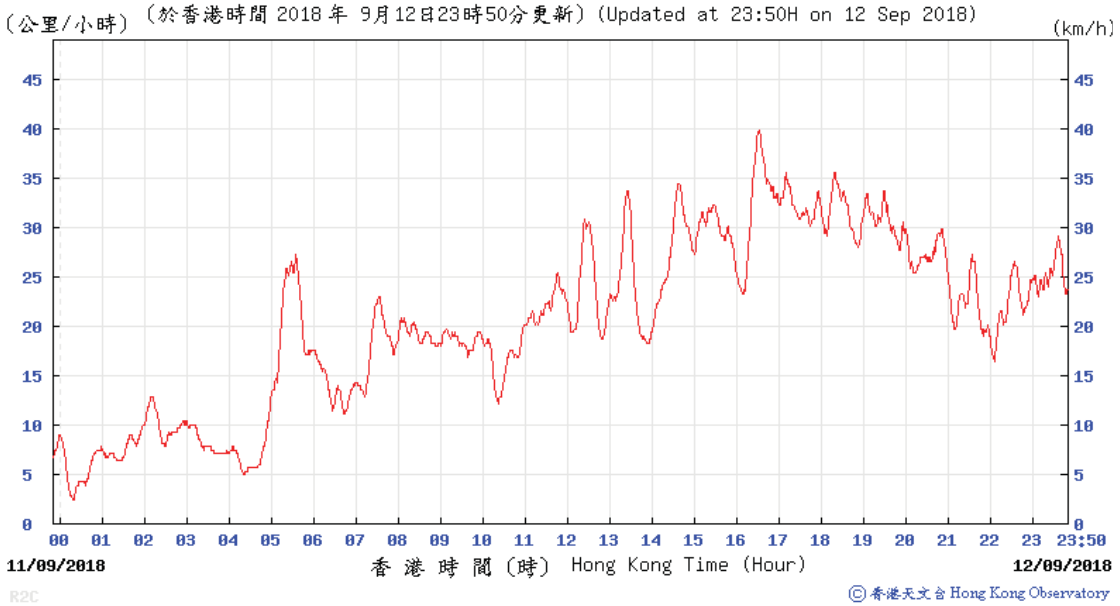


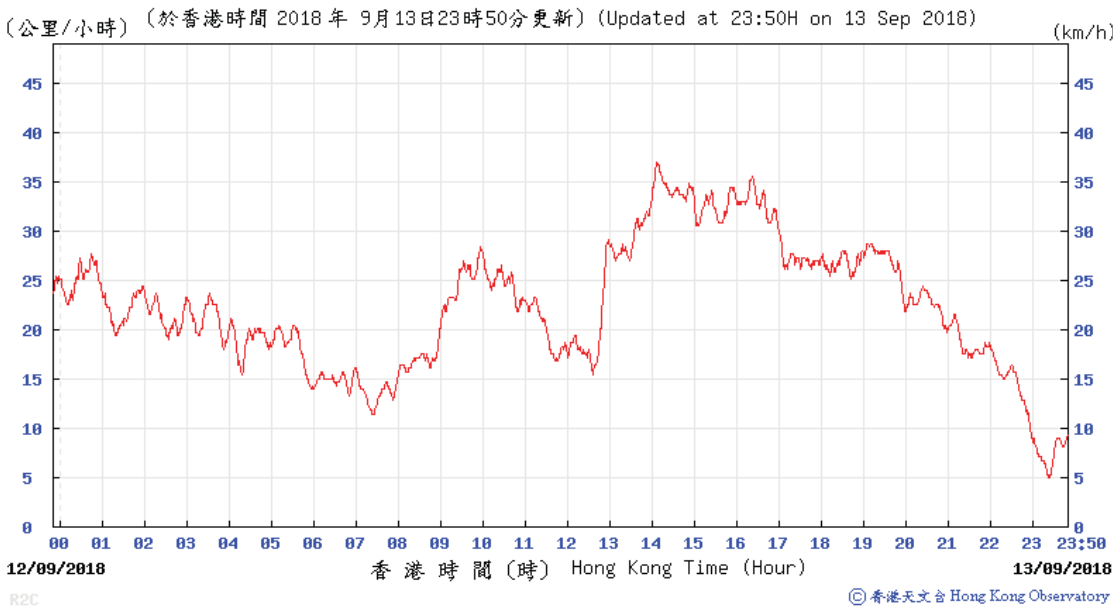
07/09/2018 香 港 時 間 (時) Hong Kong Time (Hour) 08/09/2018

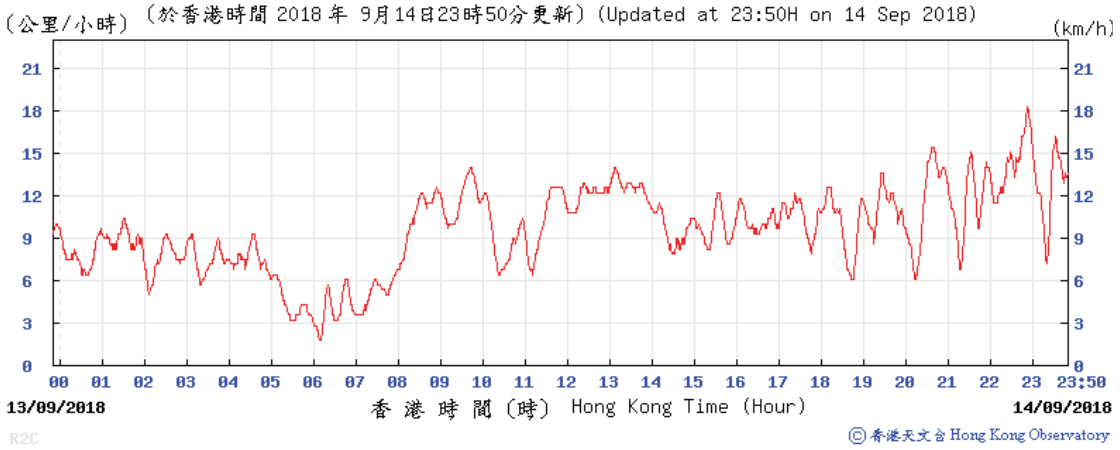
R2C

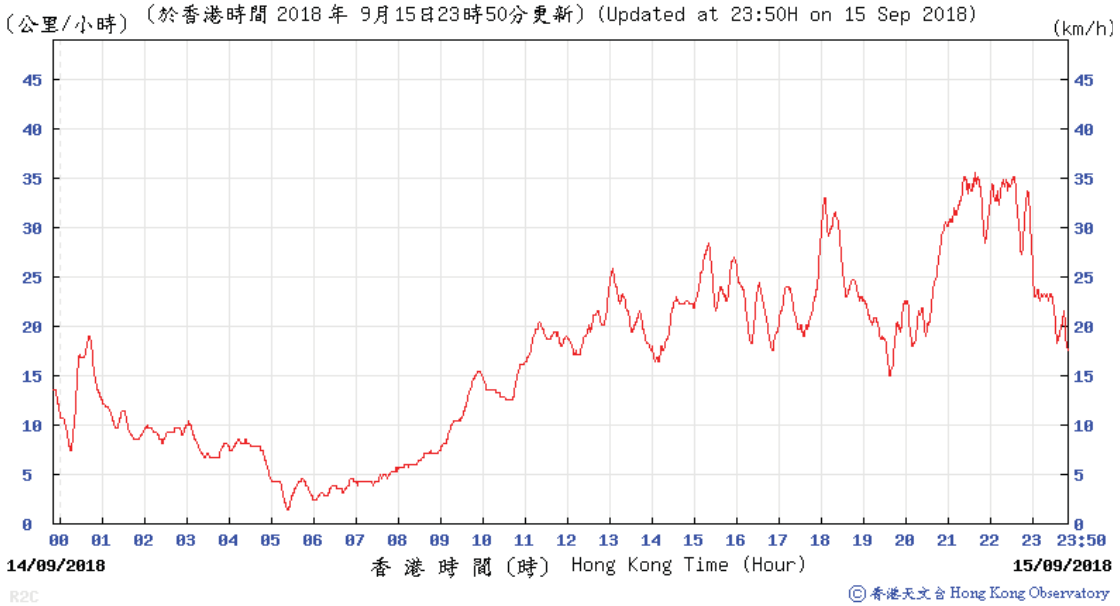

(公里/小時) (於香港時間 2018 年 9月10日23時50分更新) (Updated at 23:50H on 10 Sep 2018)
(km/h)
09/09/2018
香 港 時 間 (時) Hong Kong Time (Hour)
10/09/2018
© 香港天文台 Hong Kong Observatory

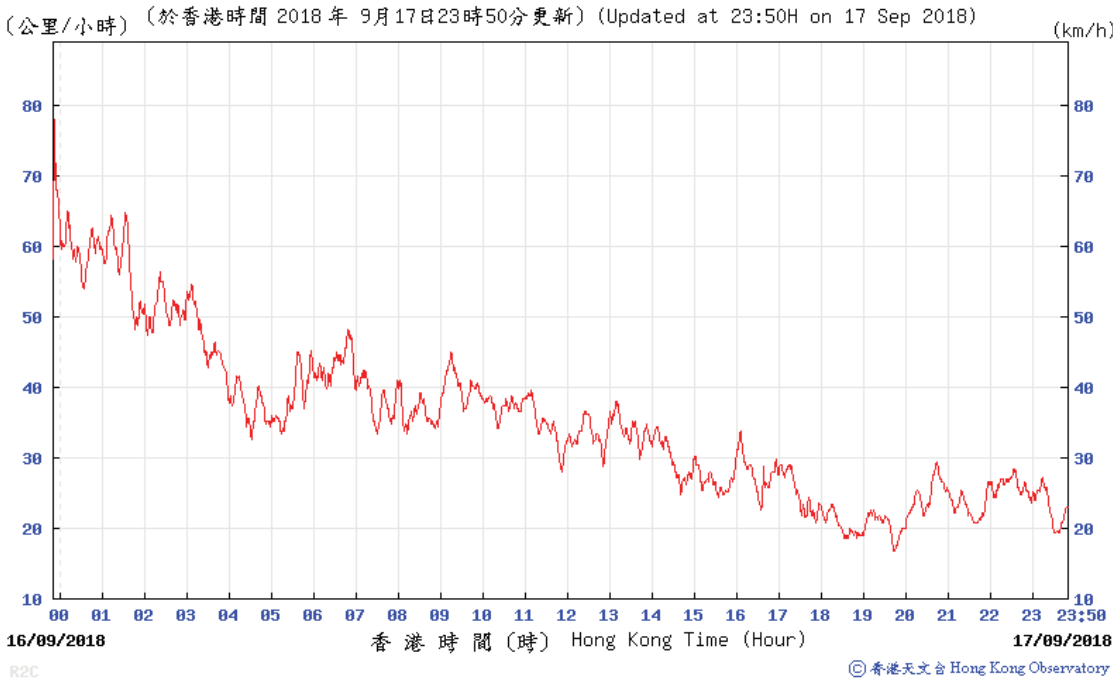

(公里/小時) (於香港時間 2018 年 9月11日23時50分更新) (Updated at 23:50H on 11 Sep 2018)
(km/h)
10/09/2018
香 港 時 間 (時) Hong Kong Time (Hour)
11/09/2018
© 香港天文台 Hong Kong Observatory


(公里/小時) (於香港時間 2018 年 9月12日23時50分更新) (Updated at 23:50H on 12 Sep 2018)
(km/h)
11/09/2018
香 港 時 間 (時) Hong Kong Time (Hour)
12/09/2018
© 香港天文台 Hong Kong Observatory


(公里/小時) (於香港時間 2018 年 9月13日23時50分更新) (Updated at 23:50H on 13 Sep 2018)
(km/h)
0 5 10 15 20 25 30 35 40 45
00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 23:50
12/09/2018
香 港 時 間 (時) Hong Kong Time (Hour)
13/09/2018
© 香港天文台 Hong Kong Observatory


(公里/小時) (於香港時間 2018 年 9月14日23時50分更新) (Updated at 23:50H on 14 Sep 2018)
(km/h)
0 3 6 9 12 15 18 21
00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 23:50
13/09/2018
香 港 時 間 (時) Hong Kong Time (Hour)
14/09/2018
© 香港天文台 Hong Kong Observatory


(公里/小時) (於香港時間 2018 年 9月15日23時50分更新) (Updated at 23:50H on 15 Sep 2018)
(km/h)
0 5 10 15 20 25 30 35 40 45
00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 23:50
14/09/2018
香 港 時 間 (時) Hong Kong Time (Hour)
15/09/2018
© 香港天文台 Hong Kong Observatory


(公里/小時) (於香港時間 2018 年 9月17日23時50分更新) (Updated at 23:50H on 17 Sep 2018)
(km/h)
80
70
60
50
40
30
20
10
00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 23:50
16/09/2018
香 港 時 間 (時) Hong Kong Time (Hour)
17/09/2018
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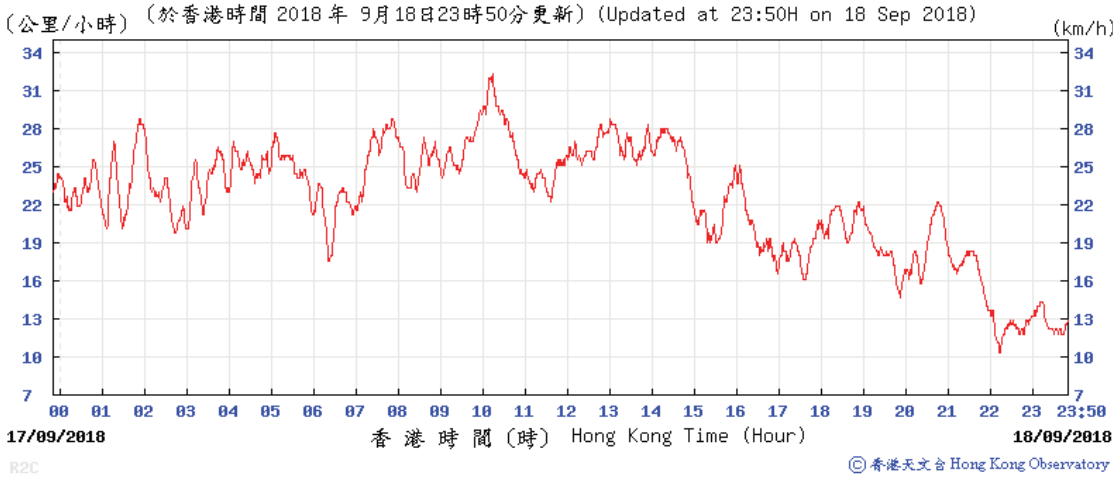
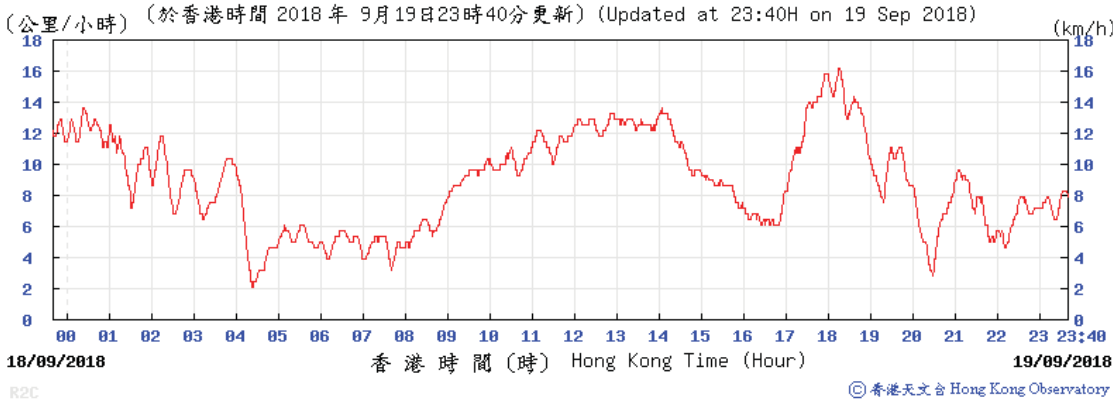
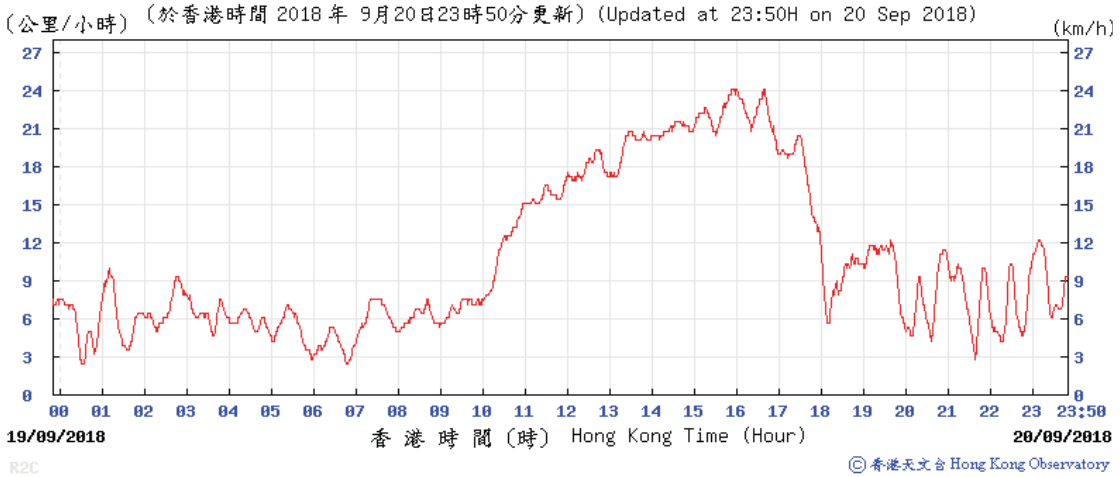
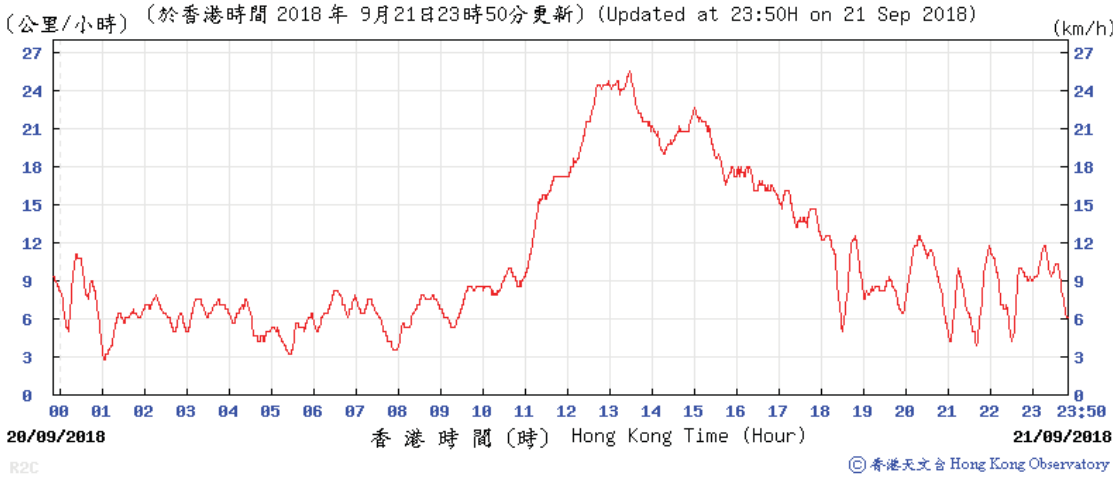

(公里/小時) (於香港時間 2018 年 9月18日23時50分更新) (Updated at 23:50H on 18 Sep 2018)
(km/h)
34
31
28
25
22
19
16
13
10
7
00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 23:50
17/09/2018
香 港 時 間 (時) Hong Kong Time (Hour)
18/09/2018
© 香港天文台 Hong Kong Observatory


(公里/小時) (於香港時間 2018 年 9月19日23時40分更新) (Updated at 23:40H on 19 Sep 2018)
(km/h)
18
16
14
12
10
8
6
4
2
0
00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 23:40
18/09/2018
香 港 時 間 (時) Hong Kong Time (Hour)
19/09/2018
© 香港天文台 Hong Kong Observatory


(公里/小時) (於香港時間 2018 年 9月20日23時50分更新) (Updated at 23:50H on 20 Sep 2018)
(km/h)
0 3 6 9 12 15 18 21 24 27
00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 23:50
19/09/2018
香 港 時 間 (時) Hong Kong Time (Hour)
20/09/2018
© 香港天文台 Hong Kong Observatory


(公里/小時) (於香港時間 2018 年 9月21日23時50分更新) (Updated at 23:50H on 21 Sep 2018)
(km/h)
0 3 6 9 12 15 18 21 24 27
00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 23:50
20/09/2018
香 港 時 間 (時) Hong Kong Time (Hour)
21/09/2018
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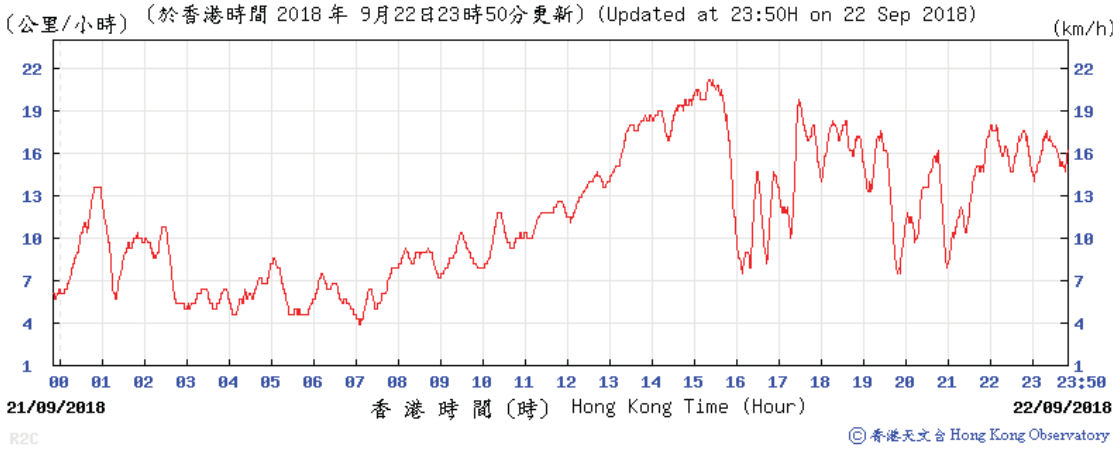
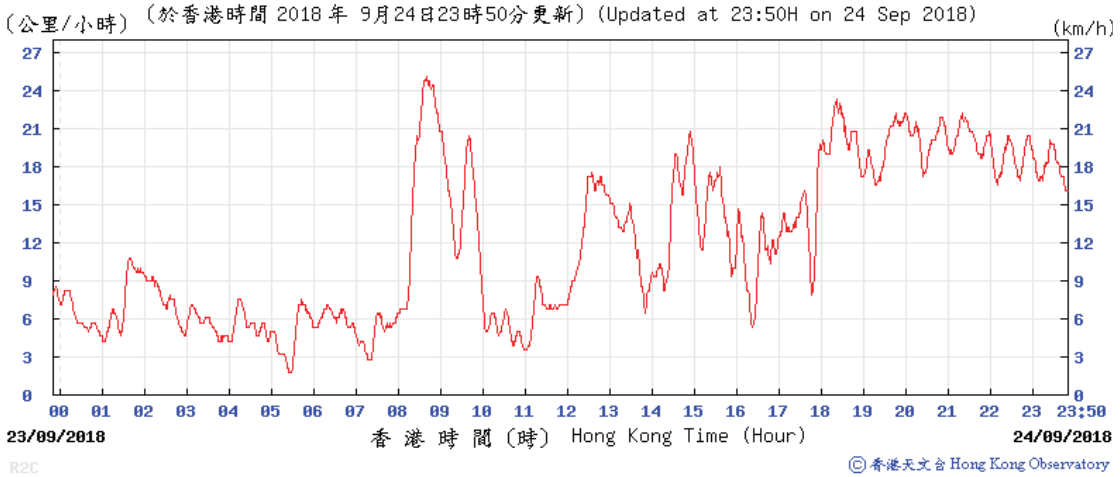
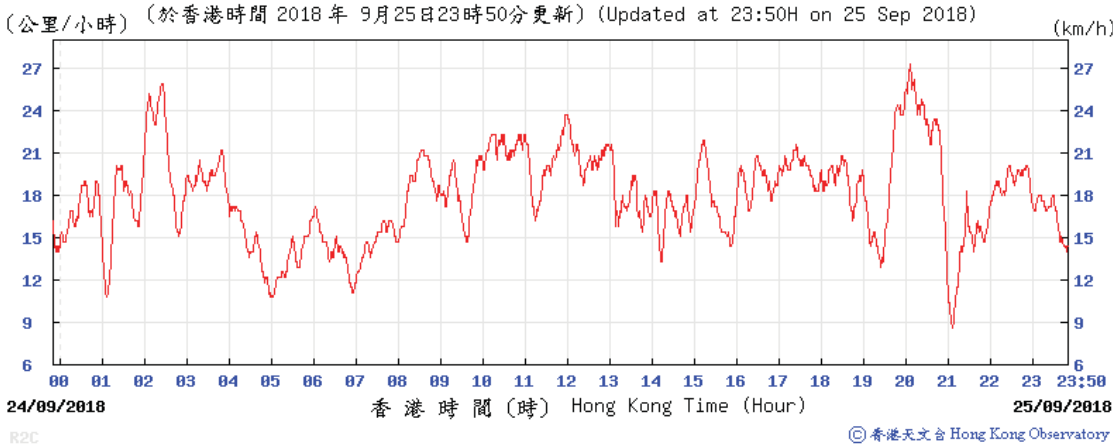

(公里/小時) (於香港時間 2018 年 9月22日23時50分更新) (Updated at 23:50H on 22 Sep 2018)
(km/h)
1 4 7 10 13 16 19 22
00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 23:50
21/09/2018
香 港 時 間 (時) Hong Kong Time (Hour)
22/09/2018
© 香港天文台 Hong Kong Observatory


(公里/小時) (於香港時間 2018 年 9月24日23時50分更新) (Updated at 23:50H on 24 Sep 2018)
(km/h)
27 24 21 18 15 12 9 6 3 0
00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 23:50
23/09/2018
香 港 時 間 (時) Hong Kong Time (Hour)
24/09/2018
© 香港天文台 Hong Kong Observatory


(公里/小時) (於香港時間 2018 年 9月25日23時50分更新) (Updated at 23:50H on 25 Sep 2018)
(km/h)
27 24 21 18 15 12 9 6
00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 23:50
24/09/2018
香 港 時 間 (時) Hong Kong Time (Hour)
25/09/2018
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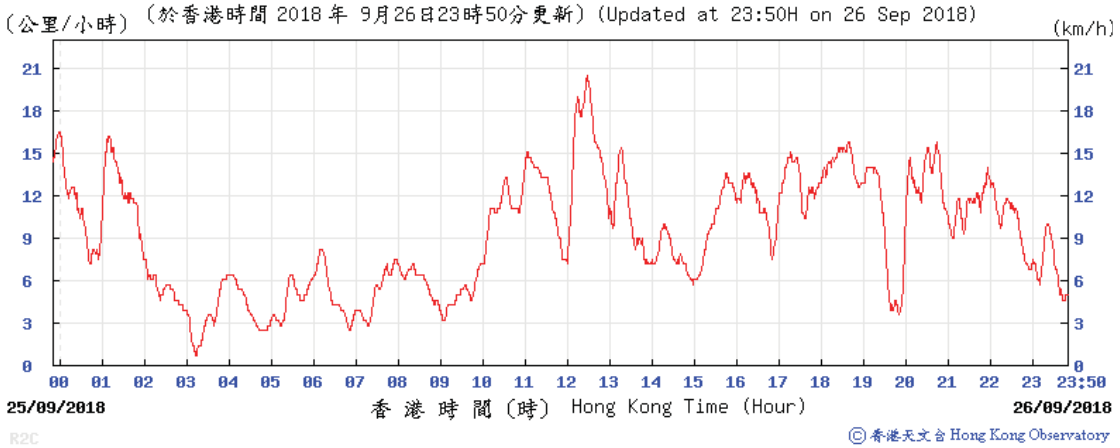
(公里/小時) (於香港時間 2018 年 9月26日23時50分更新) (Updated at 23:50H on 26 Sep 2018)
(km/h)
21 18 15 12 9 6 3 0
00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 23:50
25/09/2018
香 港 時 間 (時) Hong Kong Time (Hour)
26/09/2018
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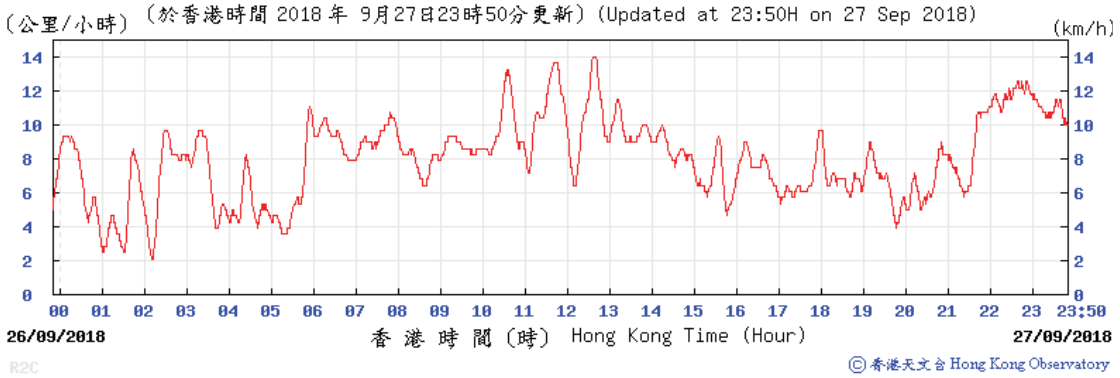
(公里/小時) (於香港時間 2018 年 9月27日23時50分更新) (Updated at 23:50H on 27 Sep 2018)
(km/h)
0 2 4 6 8 10 12 14
00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 23:50
26/09/2018
香 港 時 間 (時) Hong Kong Time (Hour)
27/09/2018
R2C
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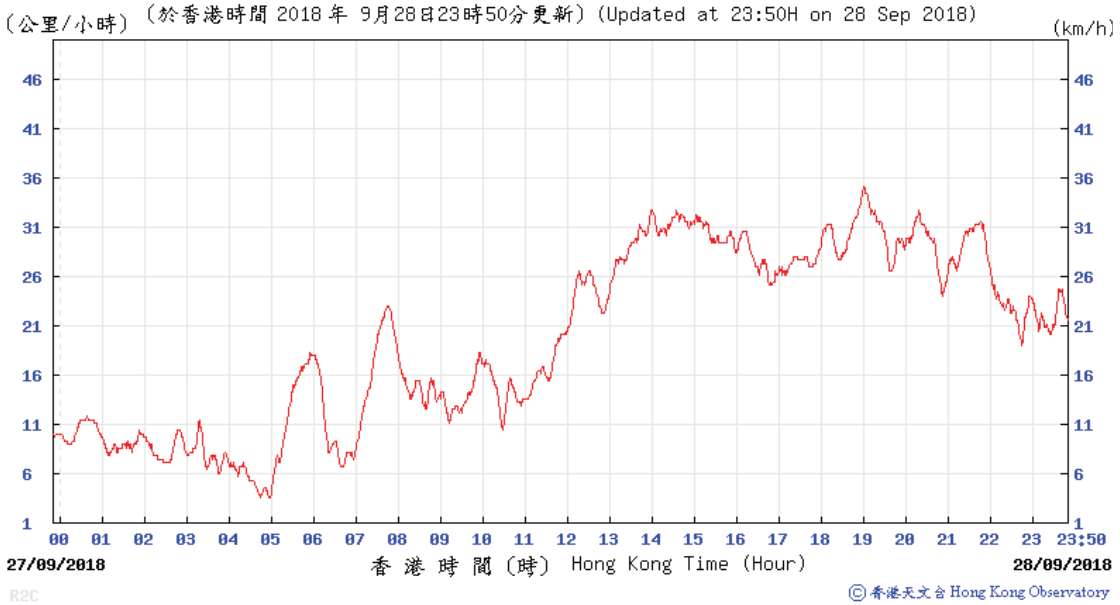
(公里/小時) (於香港時間 2018 年 9月28日23時50分更新) (Updated at 23:50H on 28 Sep 2018)
(km/h)
1 6 11 16 21 26 31 36 41 46
00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 23:50
27/09/2018
香 港 時 間 (時) Hong Kong Time (Hour)
28/09/2018
R2C
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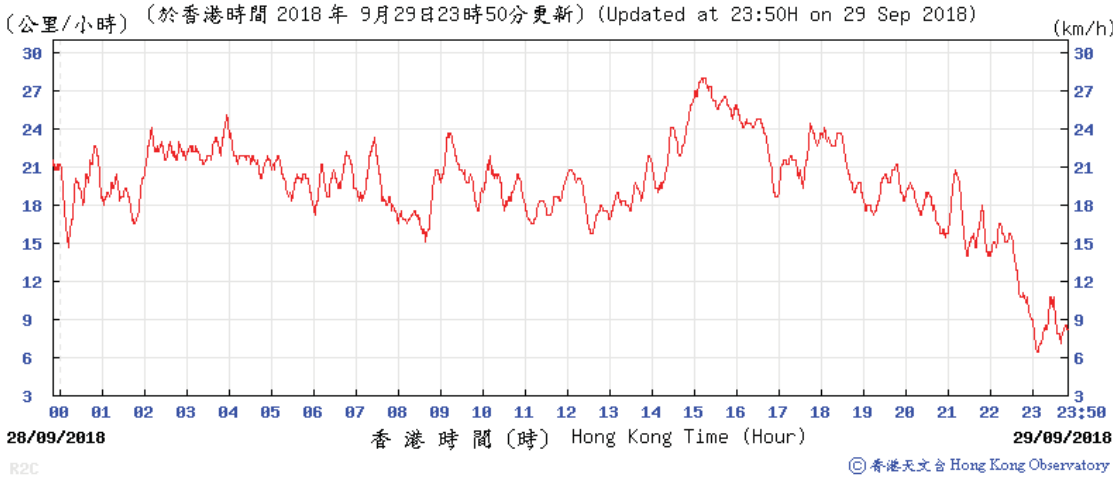
(公里/小時) (於香港時間 2018 年 9月29日23時50分更新) (Updated at 23:50H on 29 Sep 2018)
(km/h)
3 6 9 12 15 18 21 24 27 30
00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 23:50
28/09/2018
香 港 時 間 (時) Hong Kong Time (Hour)
29/09/2018
R2C
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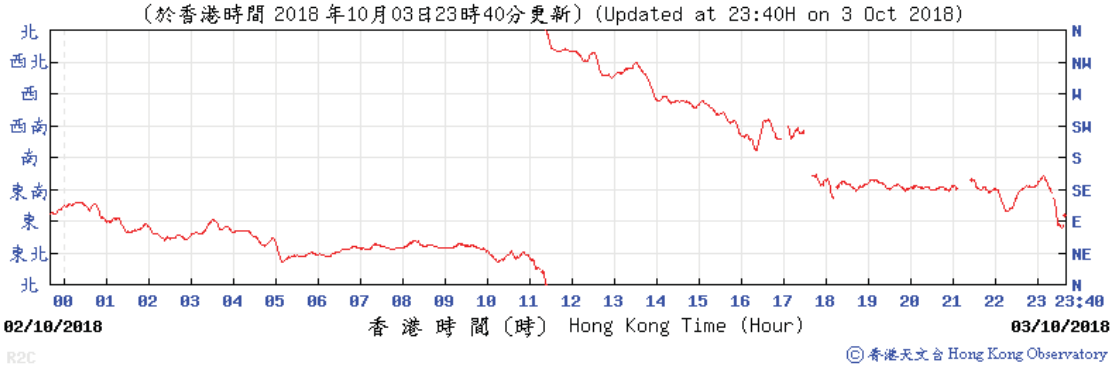
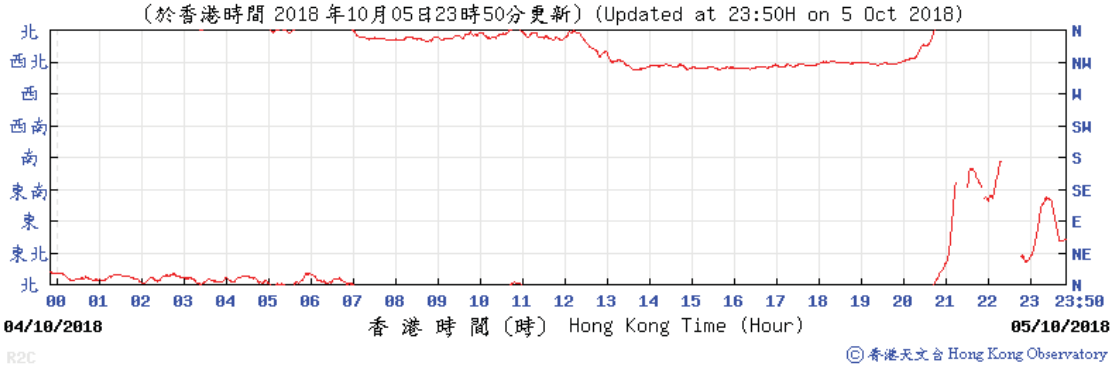
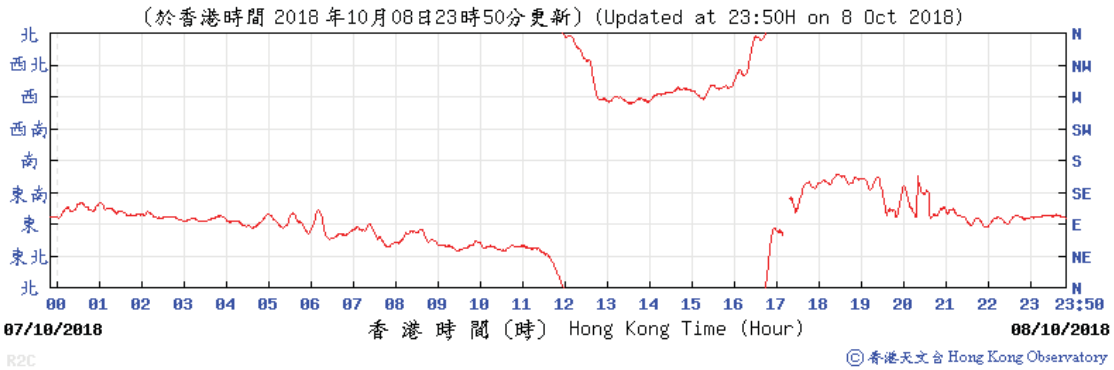
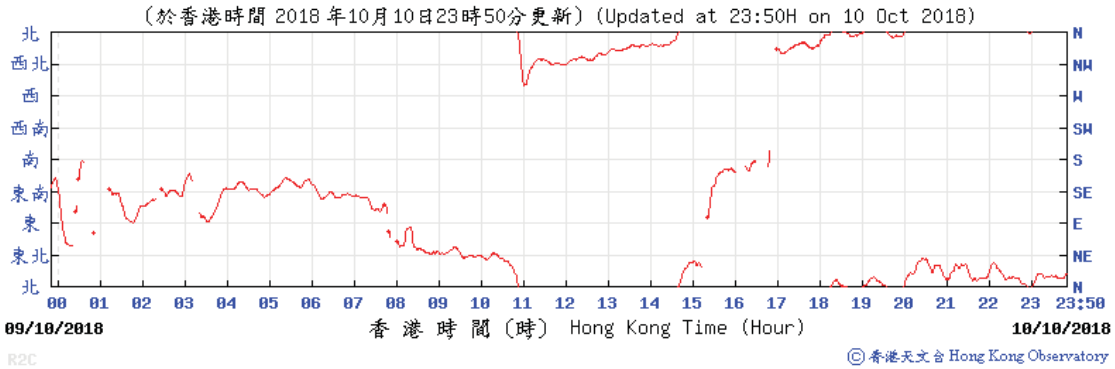
Wind Direction








(於香港時間 2018 年10月10日23時50分更新) (Updated at 23:50H on 10 Oct 2018)
北 西北 西 西南 南 東南 東 東北 北
N NW W SW S SE E NE N
00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 23:50
09/10/2018
香 港 時 間 (時) Hong Kong Time (Hour)
10/10/2018
R2C
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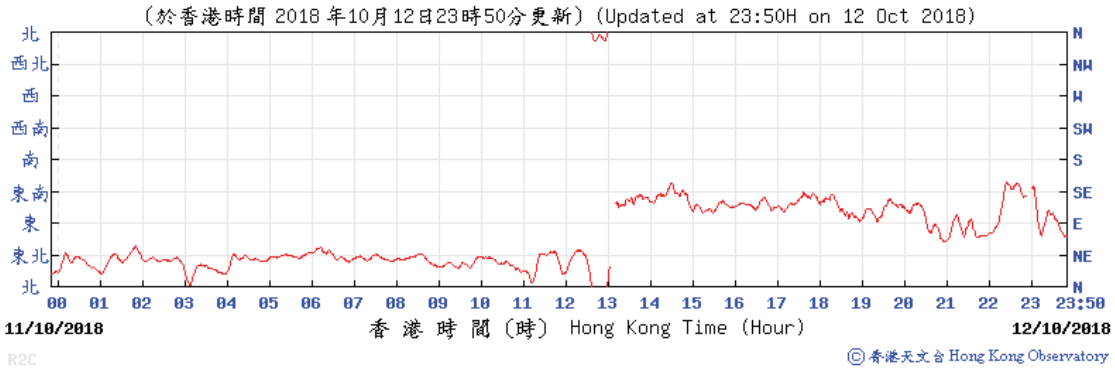
(於香港時間 2018 年10月12日23時50分更新) (Updated at 23:50H on 12 Oct 2018)
北 西北 西 西南 南 東南 東 東北 北
N NW W SW S SE E NE N
00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 23:50
11/10/2018
香 港 時 間 (時) Hong Kong Time (Hour)
12/10/2018
R2C
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(於香港時間 2018 年10月15日23時50分更新) (Updated at 23:50H on 15 Oct 2018)
北 西北 西 西南 南 東南 東 東北 北
N NW W SW S SE E NE N
00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 23:50
14/10/2018
香 港 時 間 (時) Hong Kong Time (Hour)
15/10/2018
R2C
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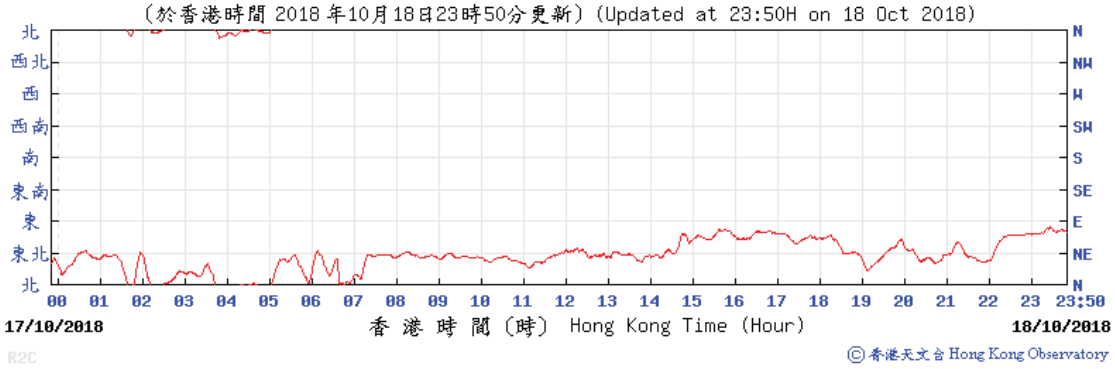
(於香港時間 2018 年10月18日23時50分更新) (Updated at 23:50H on 18 Oct 2018)
北 西北 西 西南 南 東南 東 東北 北
N NW W SW S SE E NE N
00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 23:50
17/10/2018
香 港 時 間 (時) Hong Kong Time (Hour)
18/10/2018
R2C
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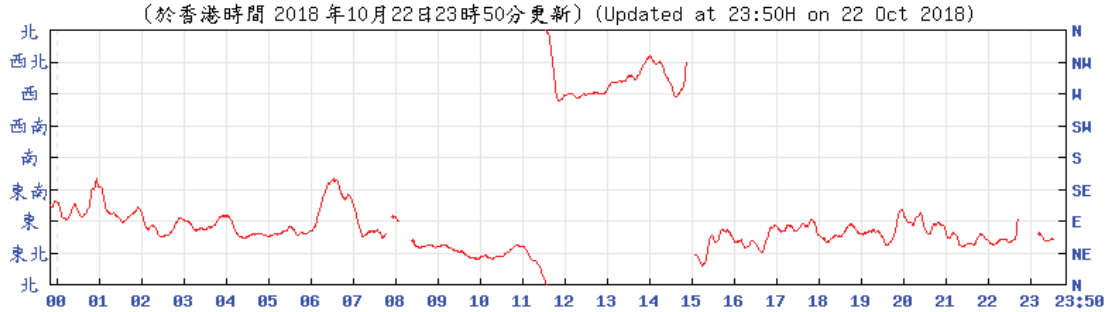
（於香港時間 2018 年10月19日23時50分更新）(Updated at 23:50H on 19 Oct 2018)

18/10/2018 香 港 時 間 (時) Hong Kong Time (Hour) 19/10/2018

R2C

（於香港時間 2018 年10月22日23時50分更新）(Updated at 23:50H on 22 Oct 2018)



21/10/2018 香 港 時 間 (時) Hong Kong Time (Hour) 22/10/2018

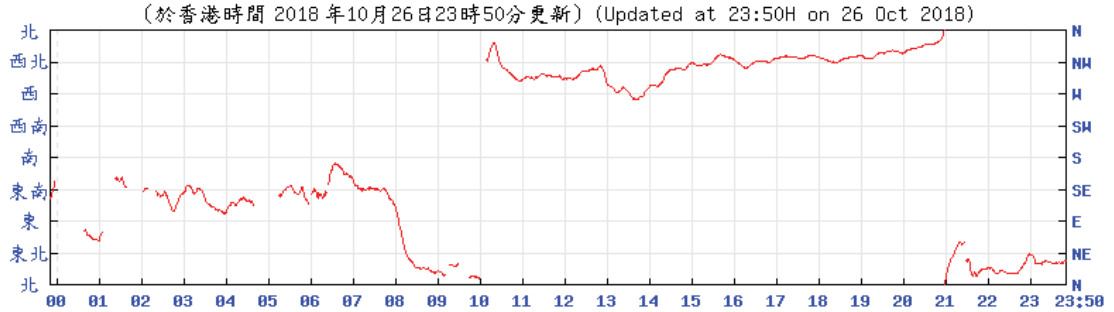
R2C

（於香港時間 2018 年10月24日23時50分更新）(Updated at 23:50H on 24 Oct 2018)

23/10/2018 香 港 時 間 (時) Hong Kong Time (Hour) 24/10/2018

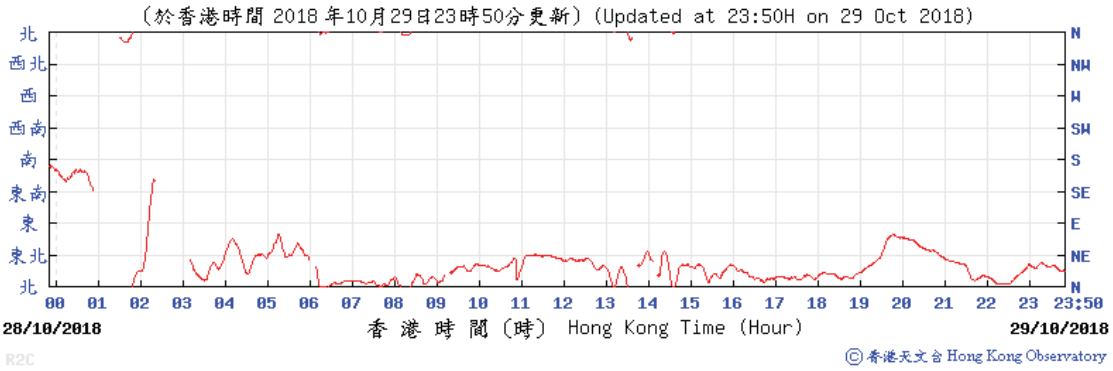
R2C

（於香港時間 2018 年10月26日23時50分更新）(Updated at 23:50H on 26 Oct 2018)



25/10/2018 香 港 時 間 (時) Hong Kong Time (Hour) 26/10/2018

R2C


(於香港時間 2018 年10月29日23時50分更新) (Updated at 23:50H on 29 Oct 2018)
北
西北
西
西南
南
東南
東
東北
北
N
NW
W
SW
S
SE
E
NE
N
00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 23:50
28/10/2018
香 港 時 間 (時) Hong Kong Time (Hour)
29/10/2018
R2C
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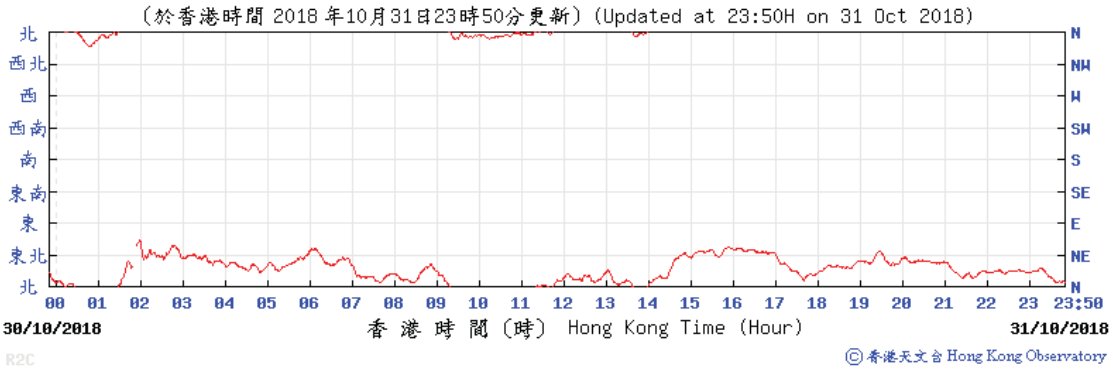
(於香港時間 2018 年10月31日23時50分更新) (Updated at 23:50H on 31 Oct 2018)
北
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00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 23:50
30/10/2018
香 港 時 間 (時) Hong Kong Time (Hour)
31/10/2018
R2C
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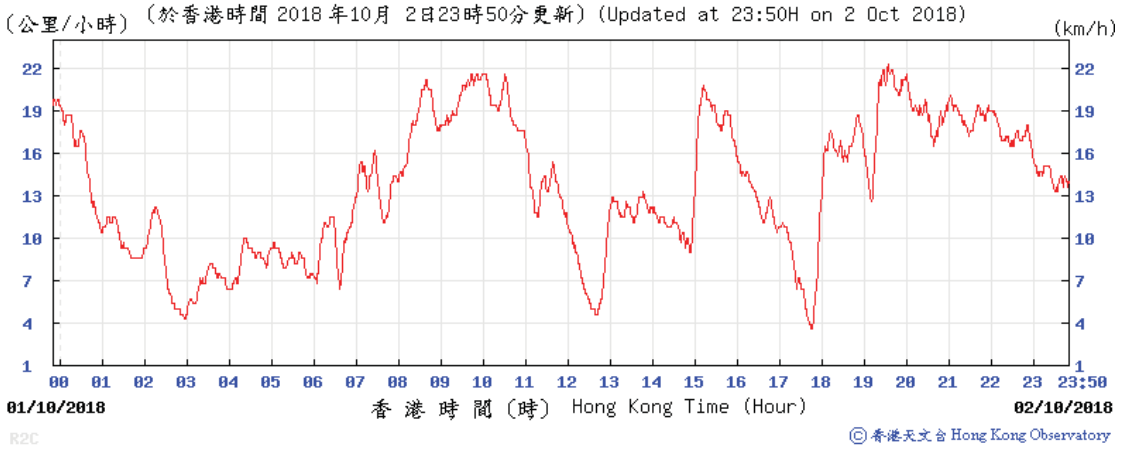
Wind Speed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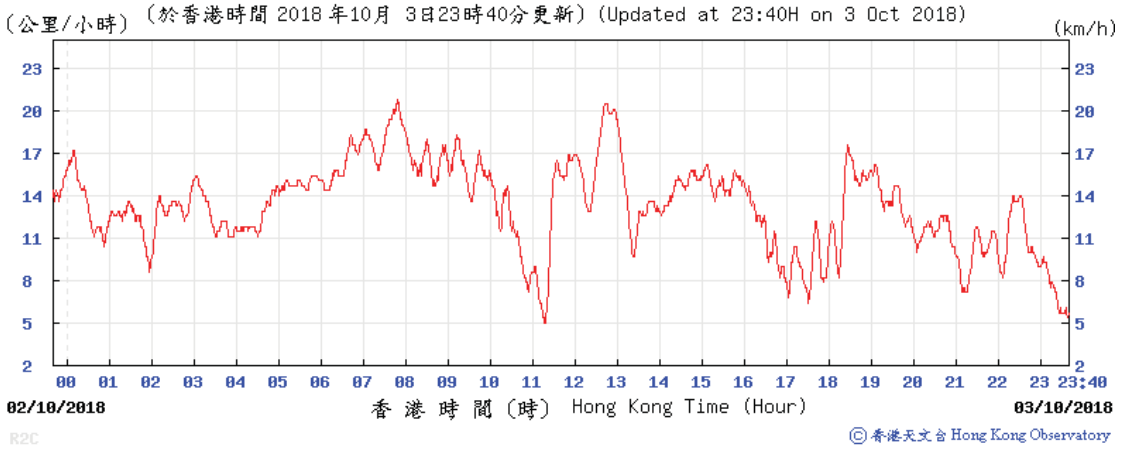
(km/h)
01/10/2018
香 港 時 間 (時) Hong Kong Time (Hour)
02/10/2018
© 香港天文台 Hong Kong Observatory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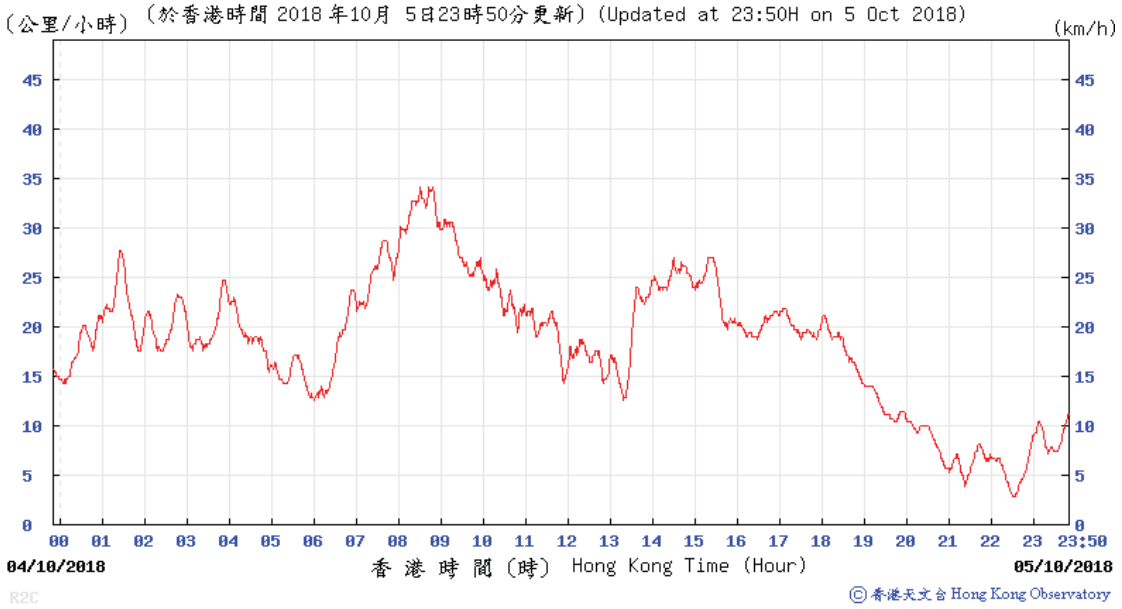
(km/h)
02/10/2018
香 港 時 間 (時) Hong Kong Time (Hour)
03/10/2018
© 香港天文台 Hong Kong Observatory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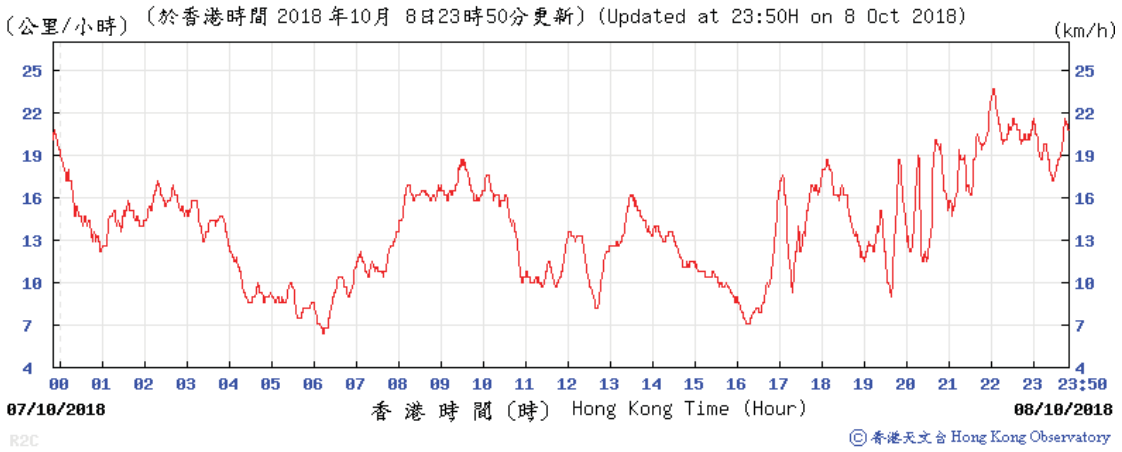
(km/h)
04/10/2018
香 港 時 間 (時) Hong Kong Time (Hour)
05/10/2018
© 香港天文台 Hong Kong Observatory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(km/h)
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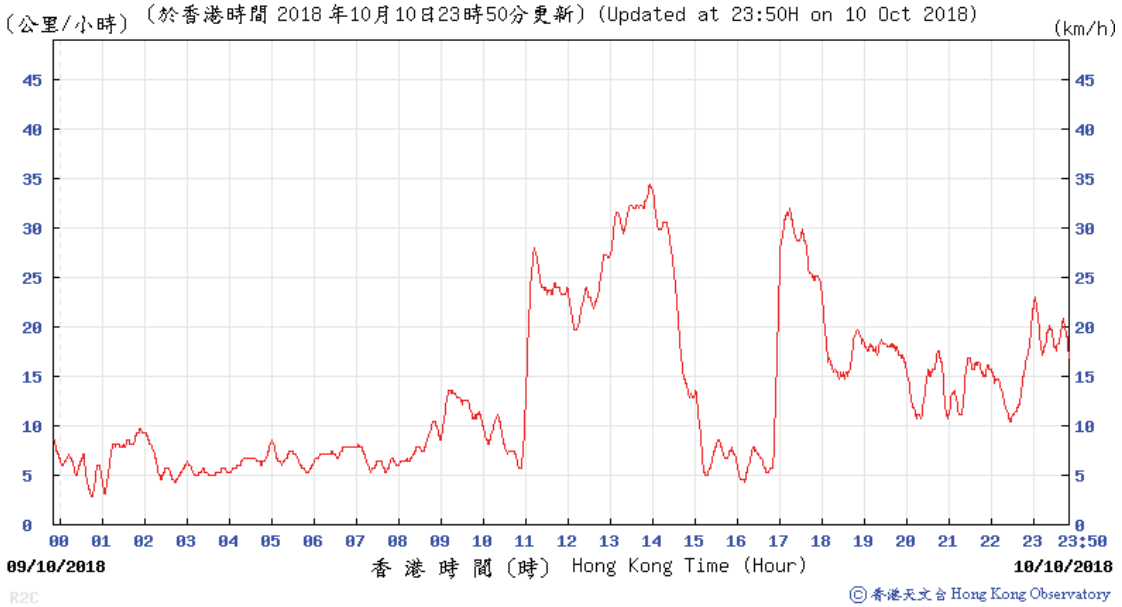
00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 23:50
07/10/2018
香 港 時 間 (時) Hong Kong Time (Hour)
08/10/2018
R2C
© 香港天文台 Hong Kong Observatory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00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 23:50
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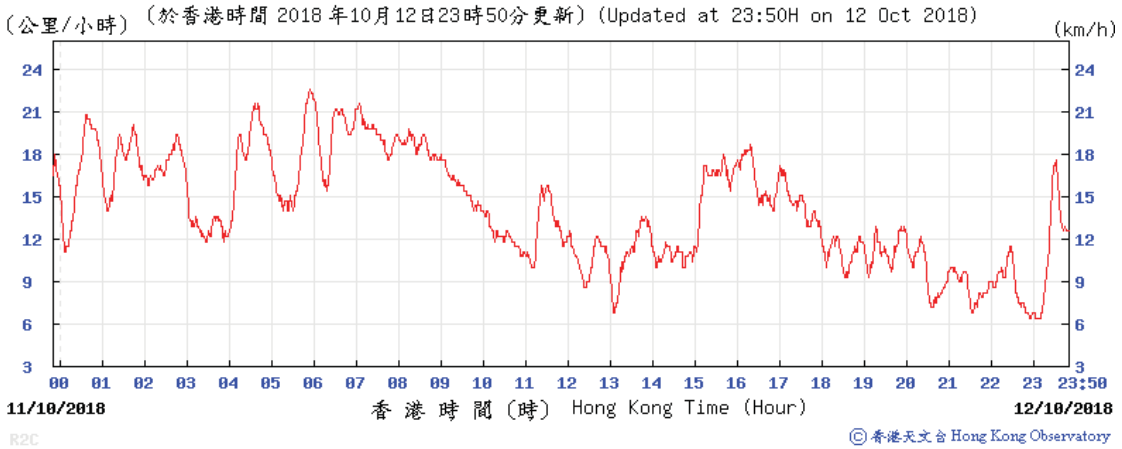
香 港 時 間 (時) Hong Kong Time (Hour)
10/10/2018
R2C
© 香港天文台 Hong Kong Observatory


(公里/小時) (於香港時間 2018 年10月12日23時50分更新) (Updated at 23:50H on 12 Oct 2018)
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24 21 18 15 12 9 6 3
00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 23:50
11/10/2018
香 港 時 間 (時) Hong Kong Time (Hour)
12/10/2018
R2C
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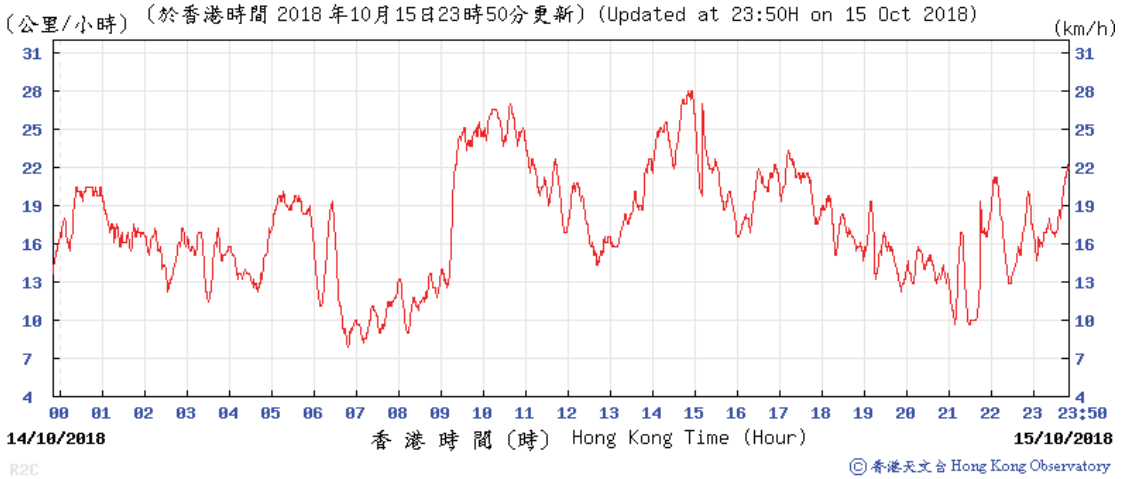
(公里/小時) (於香港時間 2018 年10月15日23時50分更新) (Updated at 23:50H on 15 Oct 2018)



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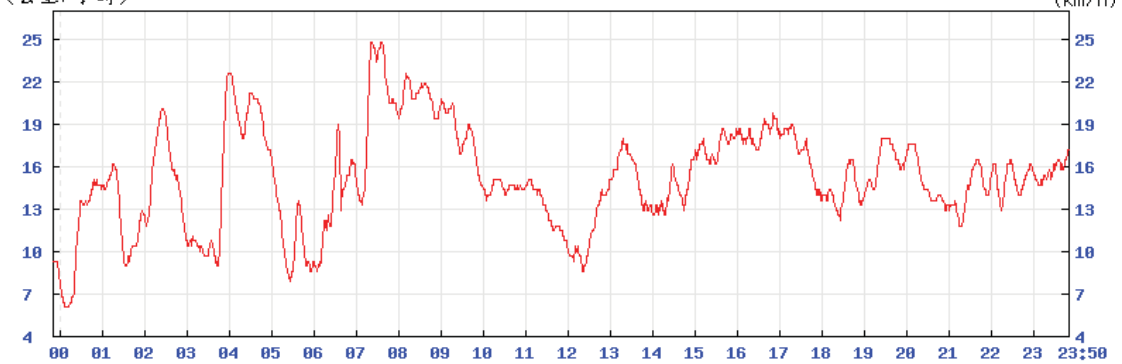
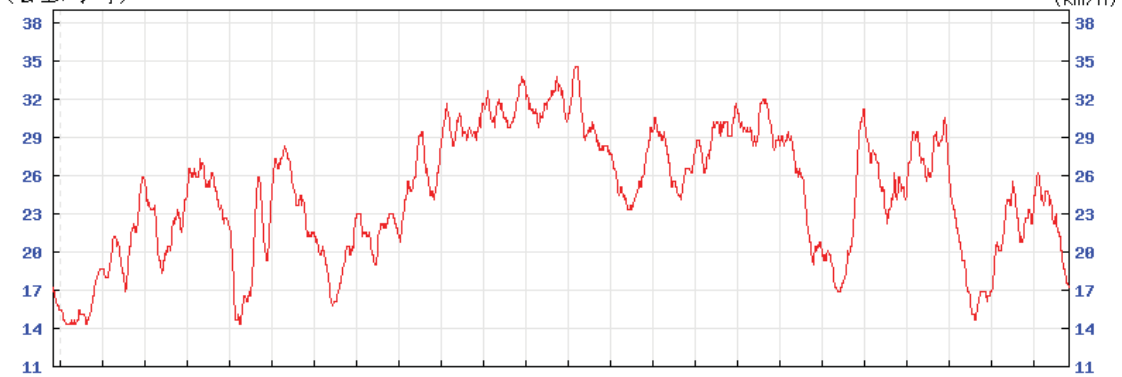
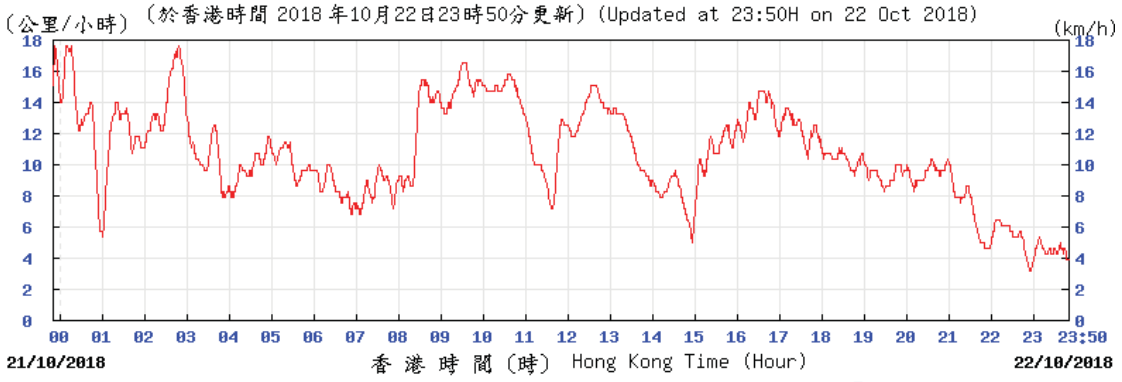
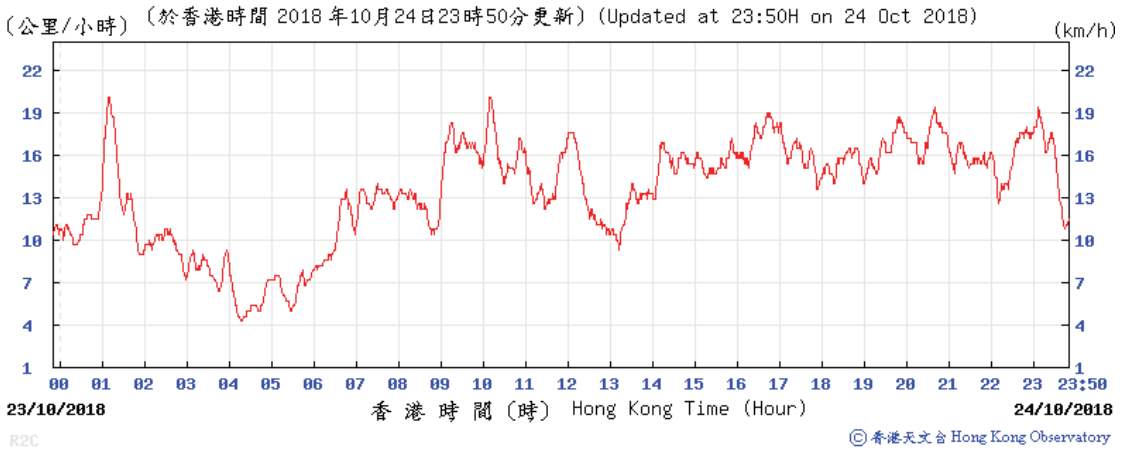


(公里/小時) (於香港時間 2018 年10月19日23時50分更新) (Updated at 23:50H on 19 Oct 2018)



(公里/小時) (於香港時間 2018 年10月22日23時50分更新) (Updated at 23:50H on 22 Oct 2018)

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(km/h)
22
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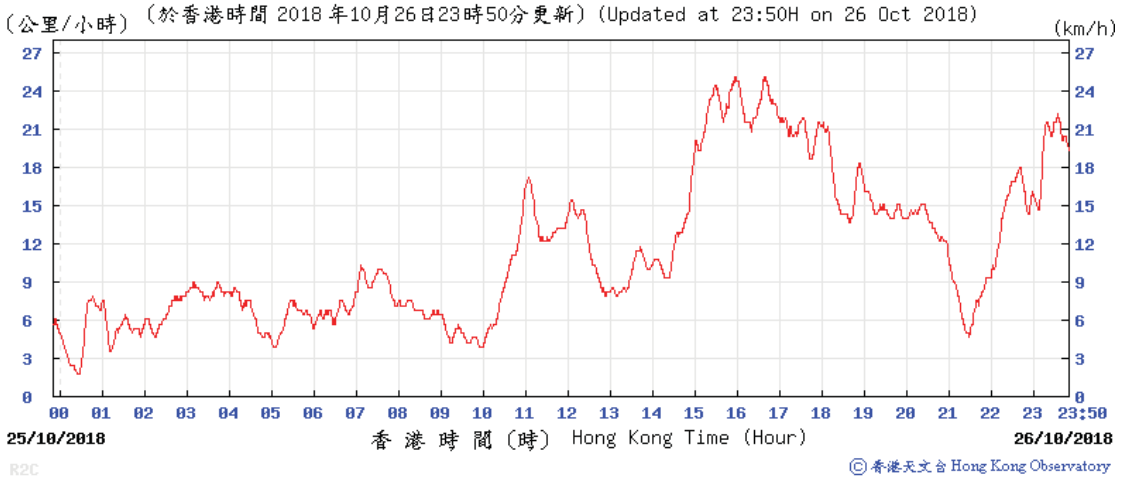
00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 23:50
23/10/2018
香 港 時 間 (時) Hong Kong Time (Hour)
24/10/2018
R2C
© 香港天文台 Hong Kong Observatory


(公里/小時) (於香港時間 2018 年10月26日23時50分更新) (Updated at 23:50H on 26 Oct 2018)
(km/h)
27
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21
18
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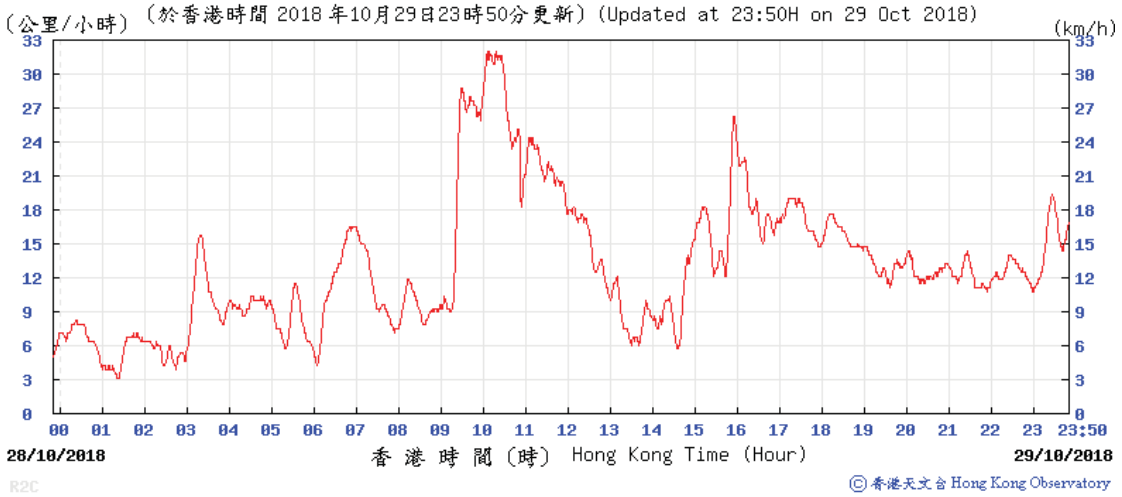
3
0
00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 23:50
25/10/2018
香 港 時 間 (時) Hong Kong Time (Hour)
26/10/2018
R2C
© 香港天文台 Hong Kong Observatory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(km/h)
33
30
27
24
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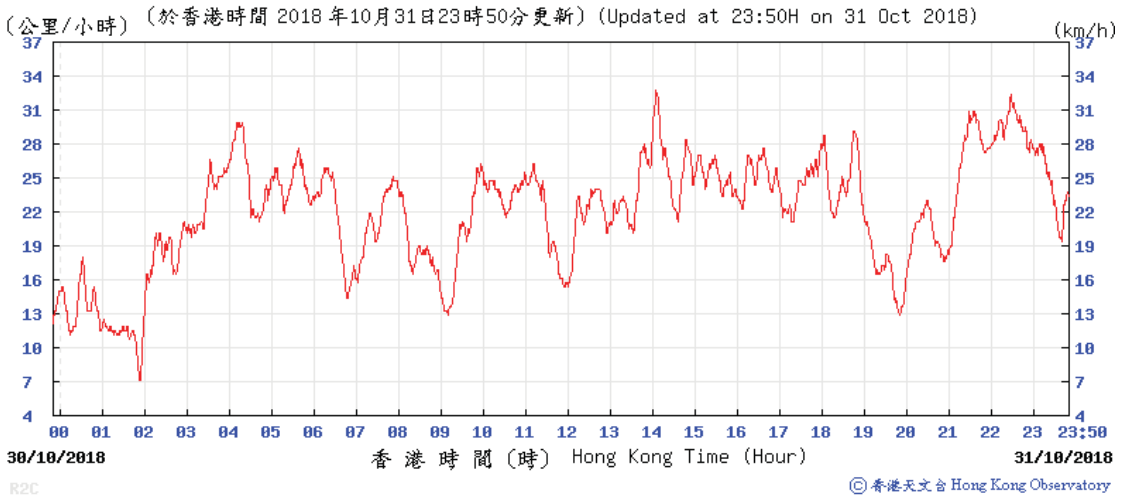
00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 23:50
28/10/2018
香 港 時 間 (時) Hong Kong Time (Hour)
29/10/2018
R2C
© 香港天文台 Hong Kong Observatory


(公里/小時) (於香港時間 2018 年10月31日23時50分更新) (Updated at 23:50H on 31 Oct 2018)
(km/h)
37
34
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28
25
22
19
16
13
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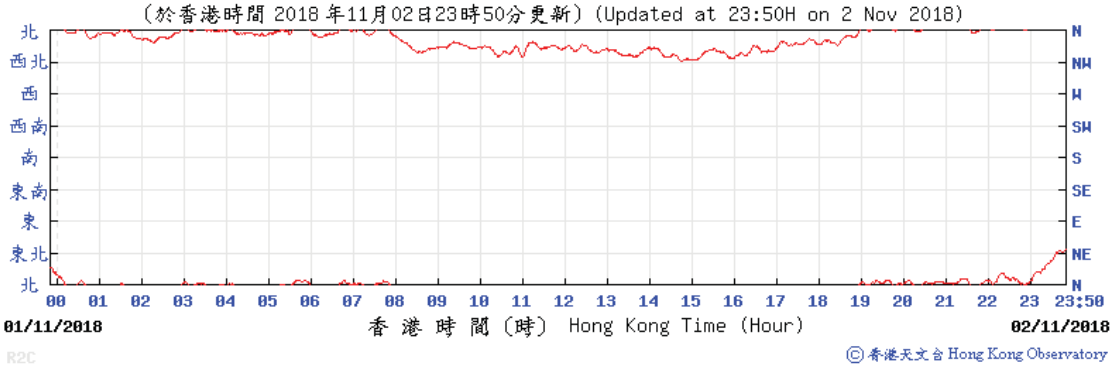
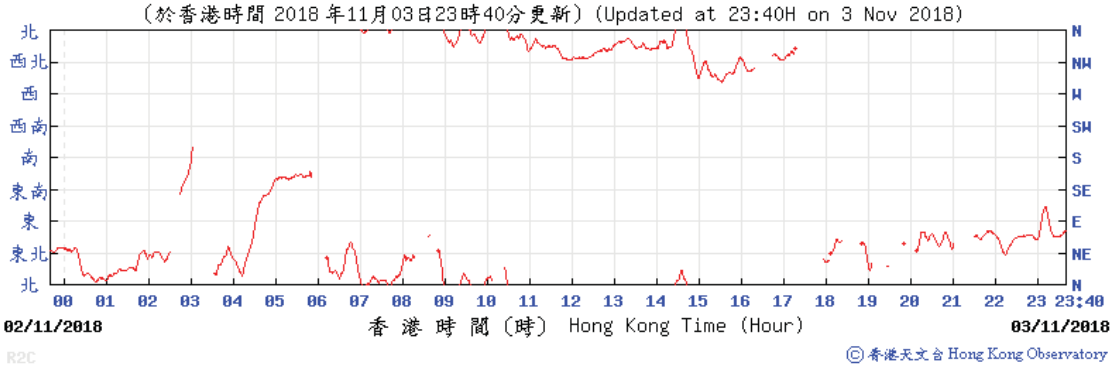
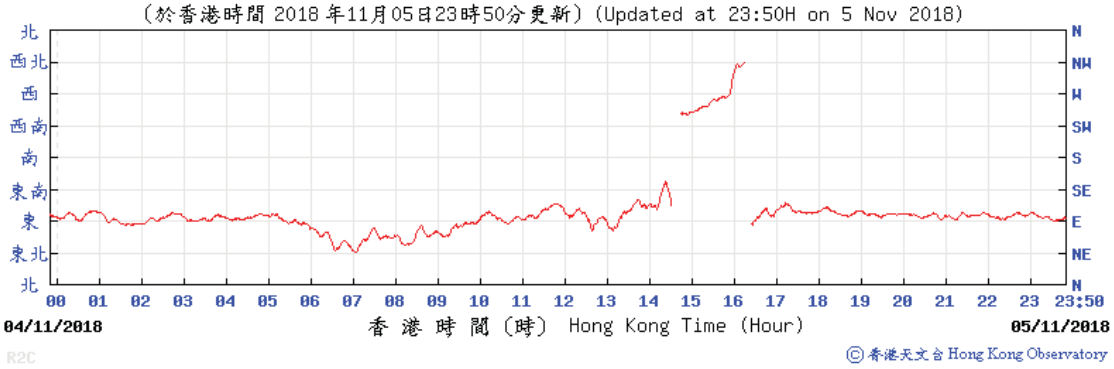
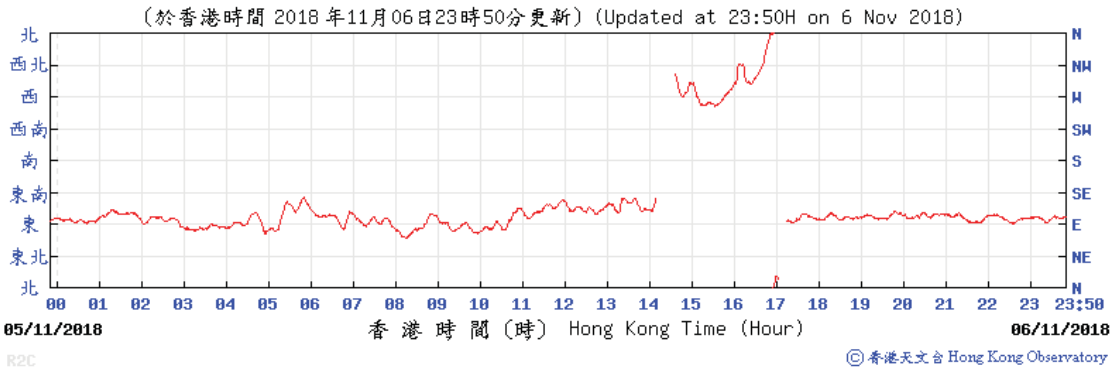
7
4
00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 23:50
30/10/2018
香 港 時 間 (時) Hong Kong Time (Hour)
31/10/2018
R2C
© 香港天文台 Hong Kong Observatory

Wind Direction

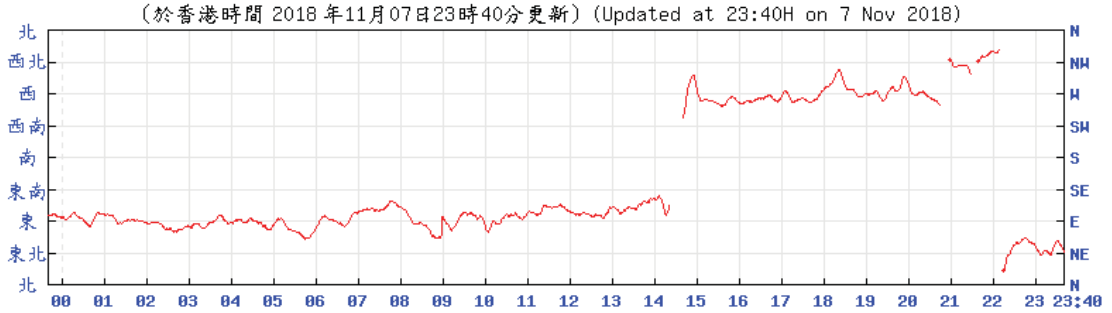






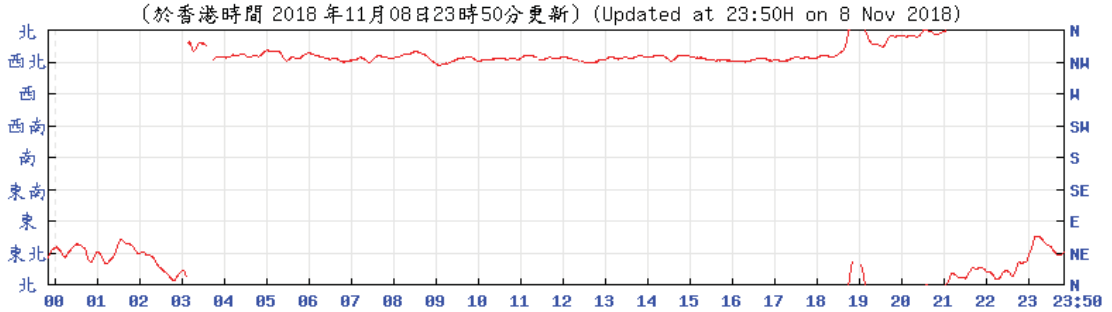


(於香港時間 2018 年11月07日23時40分更新) (Updated at 23:40H on 7 Nov 2018)



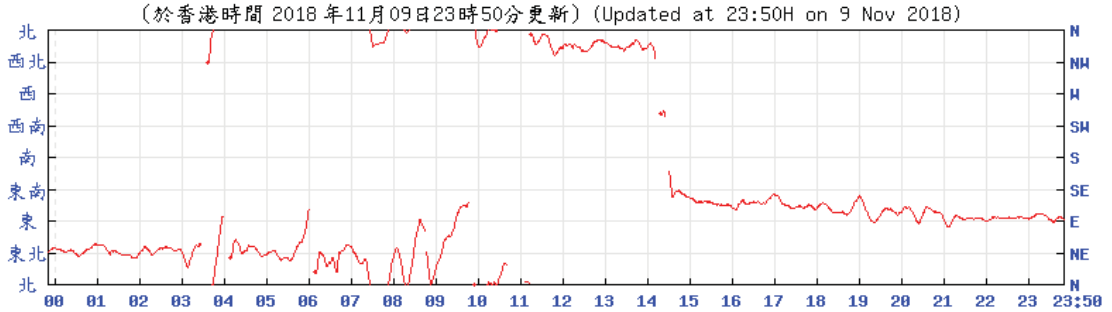
06/11/2018 香 港 時 間 (時) Hong Kong Time (Hour) 07/11/2018

(於香港時間 2018 年11月08日23時50分更新) (Updated at 23:50H on 8 Nov 2018)



07/11/2018 香 港 時 間 (時) Hong Kong Time (Hour) 08/11/2018

(於香港時間 2018 年11月09日23時50分更新) (Updated at 23:50H on 9 Nov 2018)

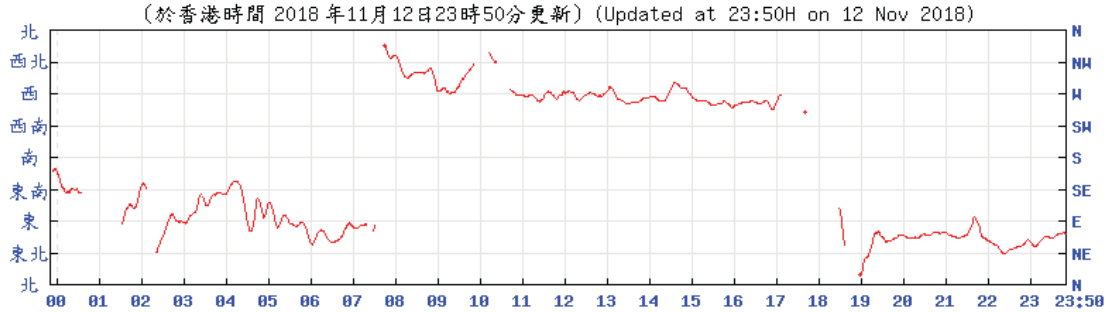


08/11/2018 香 港 時 間 (時) Hong Kong Time (Hour) 09/11/2018

(於香港時間 2018 年11月10日23時50分更新) (Updated at 23:50H on 10 Nov 2018)

09/11/2018 香 港 時 間 (時) Hong Kong Time (Hour) 10/11/2018

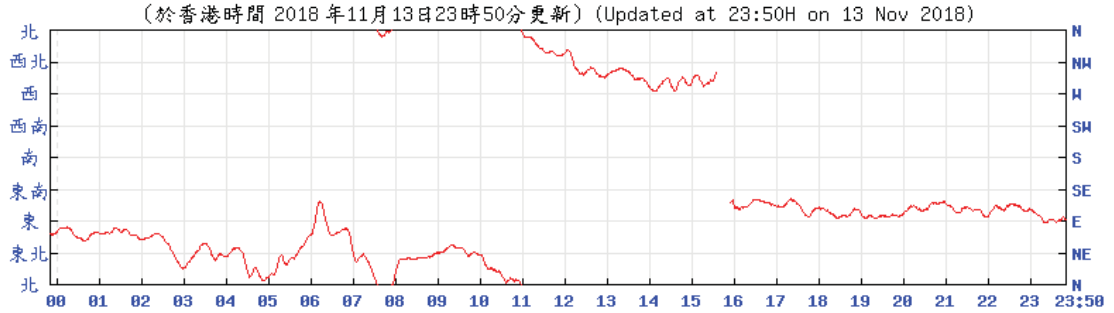
(於香港時間 2018 年11月12日23時50分更新) (Updated at 23:50H on 12 Nov 2018)



11/11/2018 香 港 時 間 (時) Hong Kong Time (Hour) 12/11/2018

R2C

(於香港時間 2018 年11月13日23時50分更新) (Updated at 23:50H on 13 Nov 2018)



12/11/2018 香 港 時 間 (時) Hong Kong Time (Hour) 13/11/2018

R2C

(於香港時間 2018 年11月14日23時50分更新) (Updated at 23:50H on 14 Nov 2018)

13/11/2018 香 港 時 間 (時) Hong Kong Time (Hour) 14/11/2018

R2C

(於香港時間 2018 年11月15日23時50分更新) (Updated at 23:50H on 15 Nov 2018)

14/11/2018 香 港 時 間 (時) Hong Kong Time (Hour) 15/11/2018

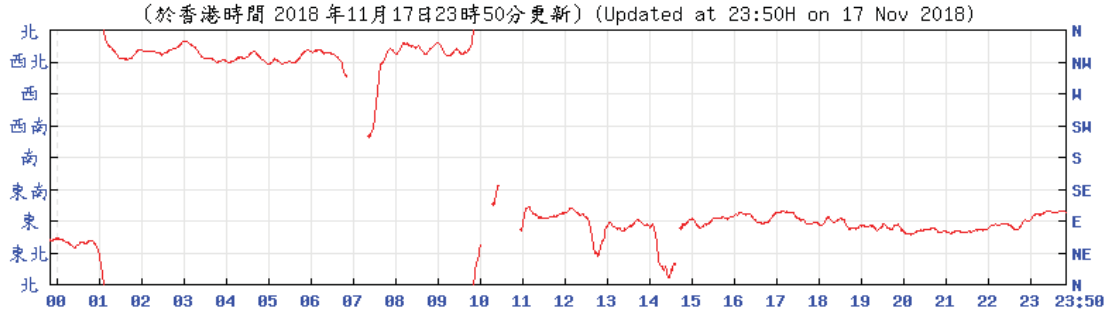
R2C

(於香港時間 2018 年11月16日23時40分更新) (Updated at 23:40H on 16 Nov 2018)

15/11/2018 香 港 時 間 (時) Hong Kong Time (Hour) 16/11/2018

R2C

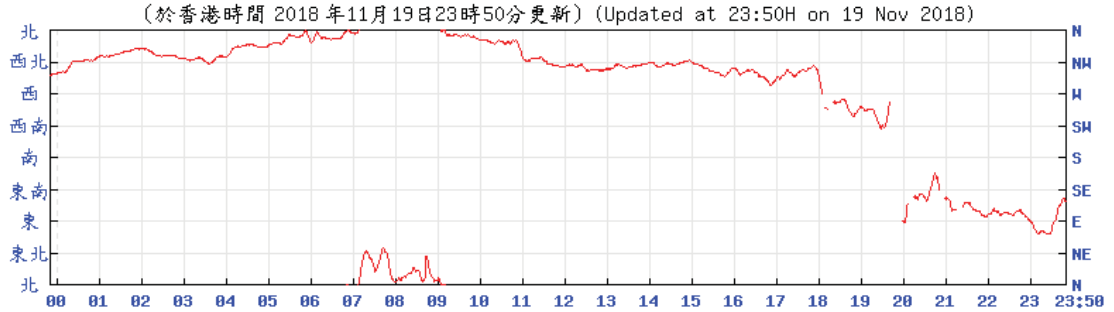
(於香港時間 2018 年11月17日23時50分更新) (Updated at 23:50H on 17 Nov 2018)



16/11/2018 香 港 時 間 (時) Hong Kong Time (Hour) 17/11/2018

R2C

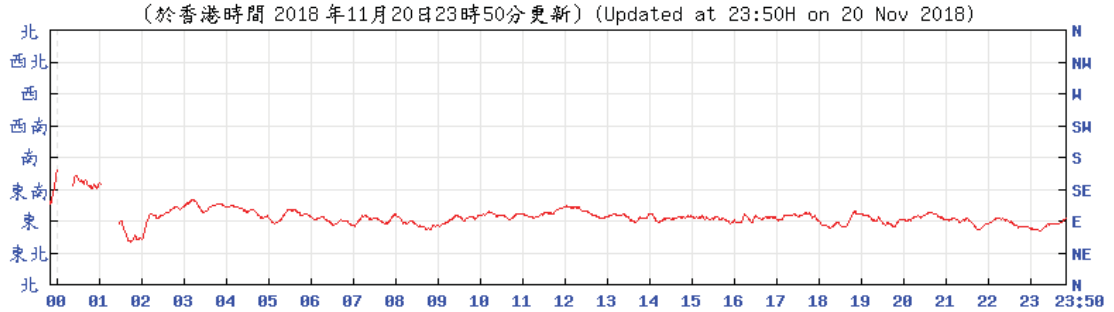
(於香港時間 2018 年11月19日23時50分更新) (Updated at 23:50H on 19 Nov 2018)



18/11/2018 香 港 時 間 (時) Hong Kong Time (Hour) 19/11/2018

R2C

(於香港時間 2018 年11月20日23時50分更新) (Updated at 23:50H on 20 Nov 2018)



19/11/2018 香 港 時 間 (時) Hong Kong Time (Hour) 20/11/2018

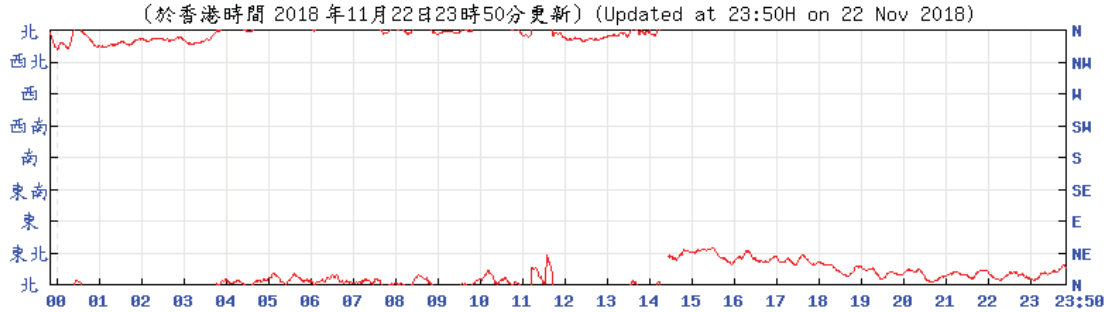
R2C

(於香港時間 2018 年11月21日23時50分更新) (Updated at 23:50H on 21 Nov 2018)

20/11/2018 香 港 時 間 (時) Hong Kong Time (Hour) 21/11/2018

R2C

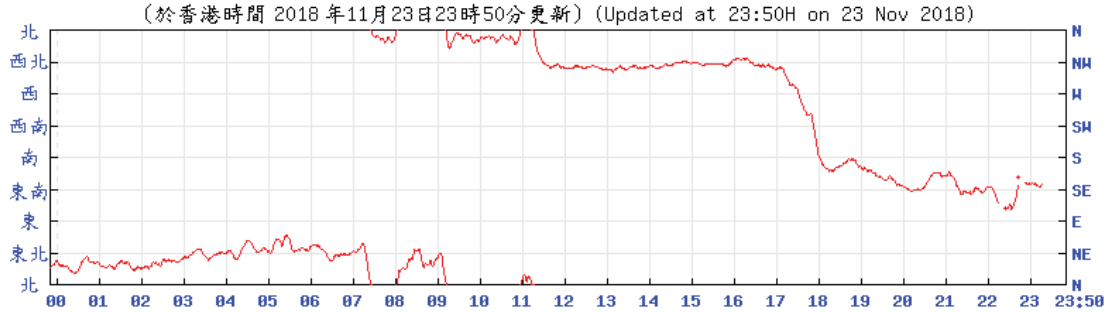
(於香港時間 2018 年11月22日23時50分更新) (Updated at 23:50H on 22 Nov 2018)



21/11/2018 香 港 時 間 (時) Hong Kong Time (Hour) 22/11/2018

R2C

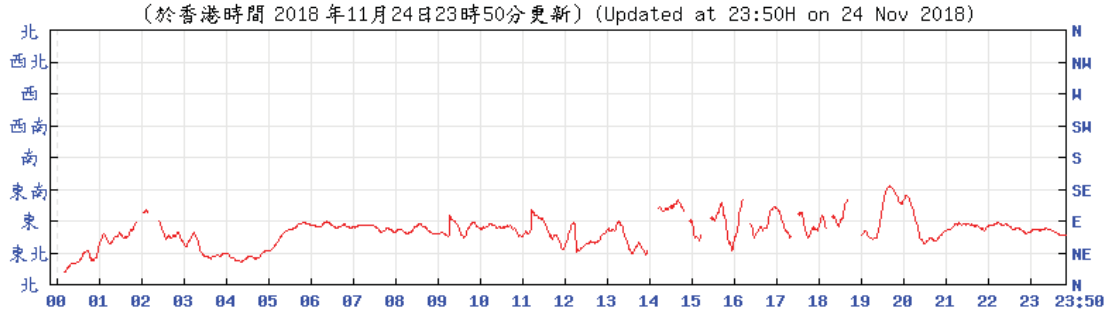
(於香港時間 2018 年11月23日23時50分更新) (Updated at 23:50H on 23 Nov 2018)



22/11/2018 香 港 時 間 (時) Hong Kong Time (Hour) 23/11/2018

R2C

(於香港時間 2018 年11月24日23時50分更新) (Updated at 23:50H on 24 Nov 2018)



23/11/2018 香 港 時 間 (時) Hong Kong Time (Hour) 24/11/2018

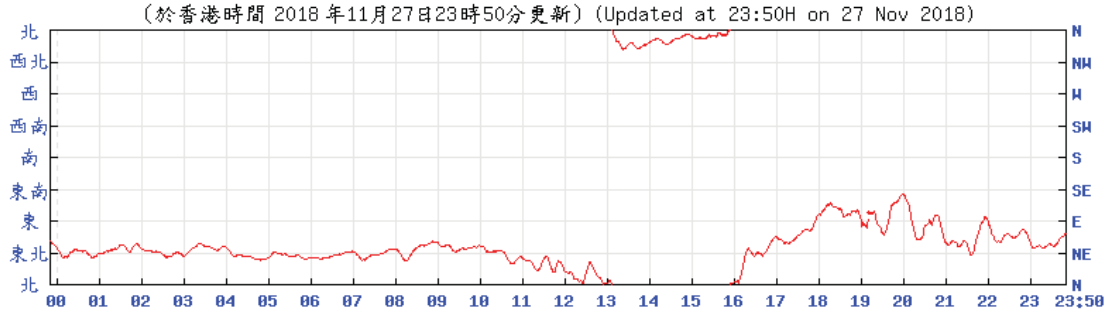
R2C

(於香港時間 2018 年11月26日23時50分更新) (Updated at 23:50H on 26 Nov 2018)

25/11/2018 香 港 時 間 (時) Hong Kong Time (Hour) 26/11/2018

R2C

(於香港時間 2018 年11月27日23時50分更新) (Updated at 23:50H on 27 Nov 2018)



26/11/2018 香 港 時 間 (時) Hong Kong Time (Hour) 27/11/2018

R2C

(於香港時間 2018 年11月28日23時50分更新) (Updated at 23:50H on 28 Nov 2018)

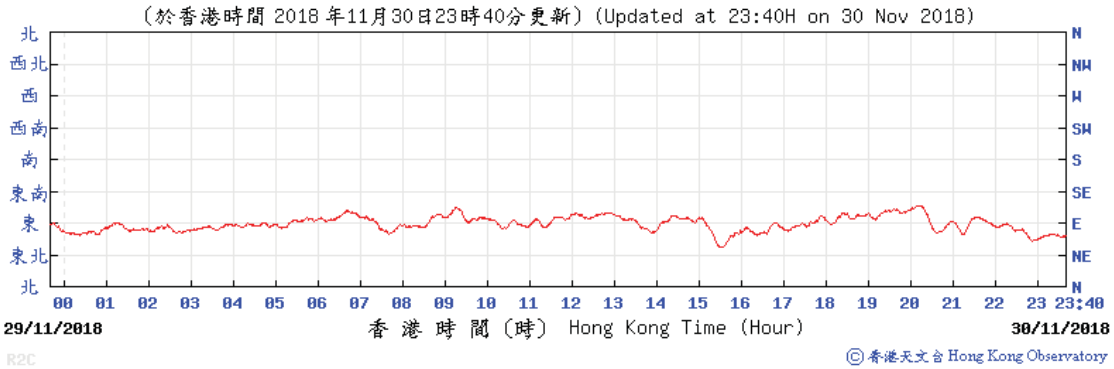
27/11/2018 香 港 時 間 (時) Hong Kong Time (Hour) 28/11/2018

R2C

(於香港時間 2018 年11月29日23時50分更新) (Updated at 23:50H on 29 Nov 2018)

28/11/2018 香 港 時 間 (時) Hong Kong Time (Hour) 29/11/2018

R2C


(於香港時間 2018 年11月30日23時40分更新) (Updated at 23:40H on 30 Nov 2018)
北
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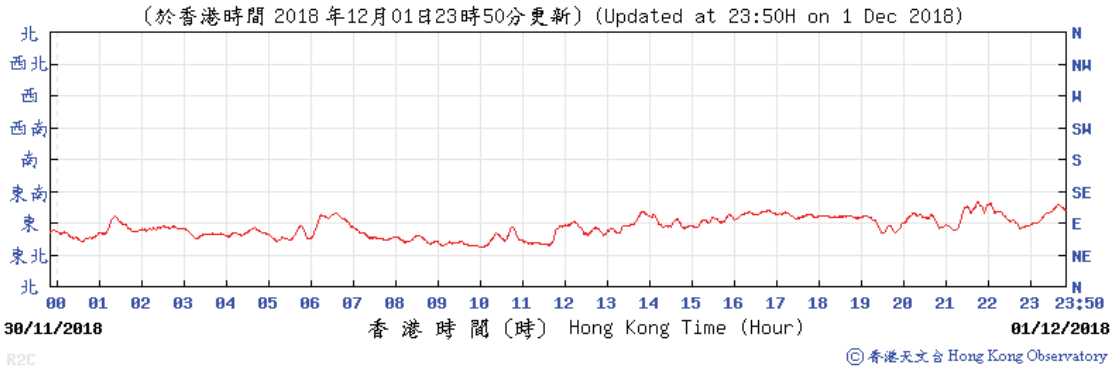
00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 23:40
29/11/2018
香 港 時 間 (時) Hong Kong Time (Hour)
30/11/2018
© 香港天文台 Hong Kong Observatory


(於香港時間 2018 年12月01日23時50分更新) (Updated at 23:50H on 1 Dec 2018)
北
西北
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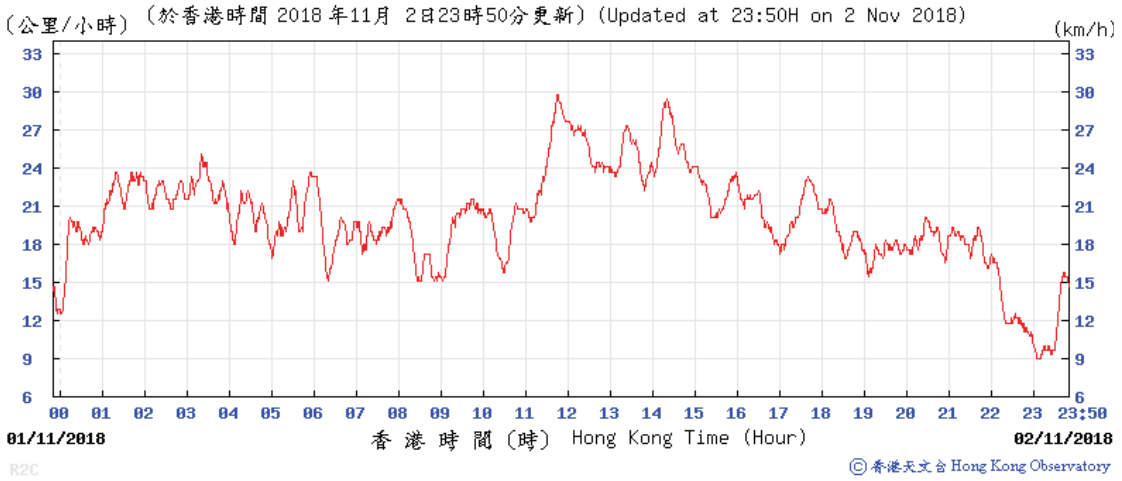
00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 23:50
30/11/2018
香 港 時 間 (時) Hong Kong Time (Hour)
01/12/2018
© 香港天文台 Hong Kong Observatory

Wind Speed


(公里/小時) (於香港時間 2018 年11月 2日23時50分更新) (Updated at 23:50H on 2 Nov 2018)
(km/h)
01/11/2018
香 港 時 間 (時) Hong Kong Time (Hour)
02/11/2018
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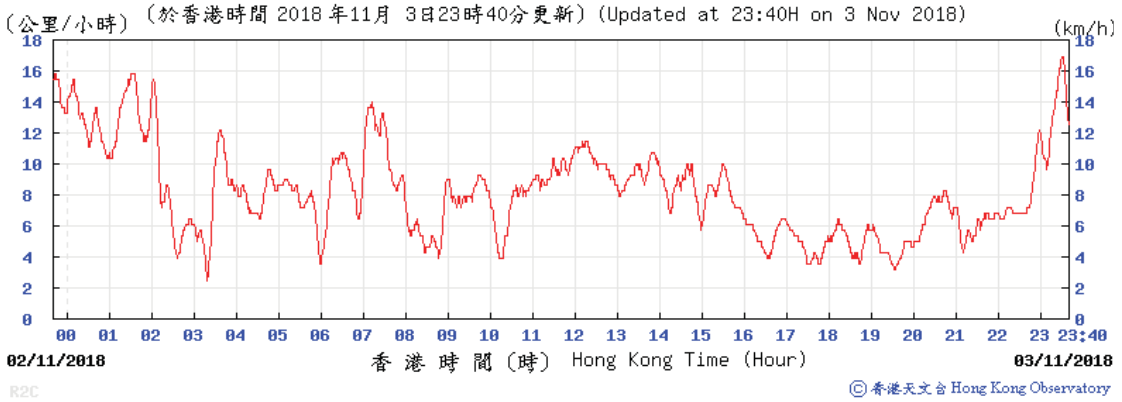
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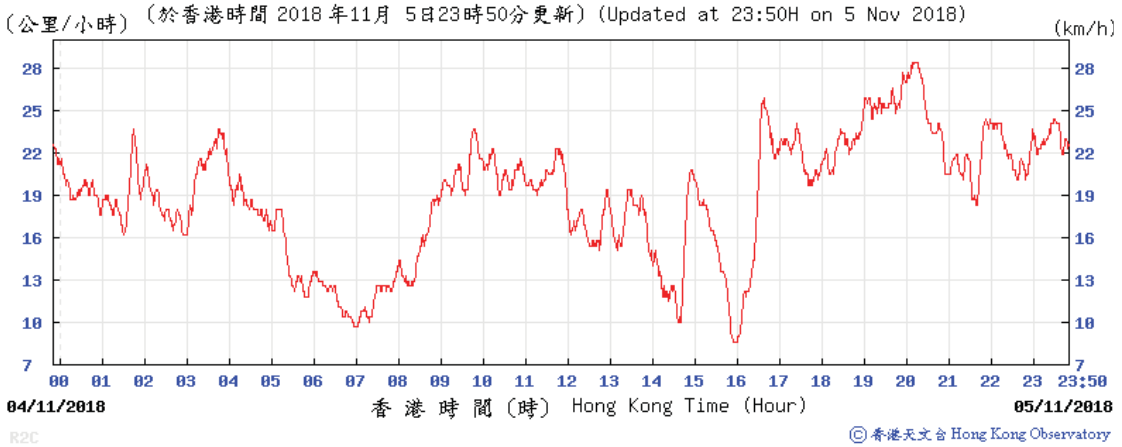
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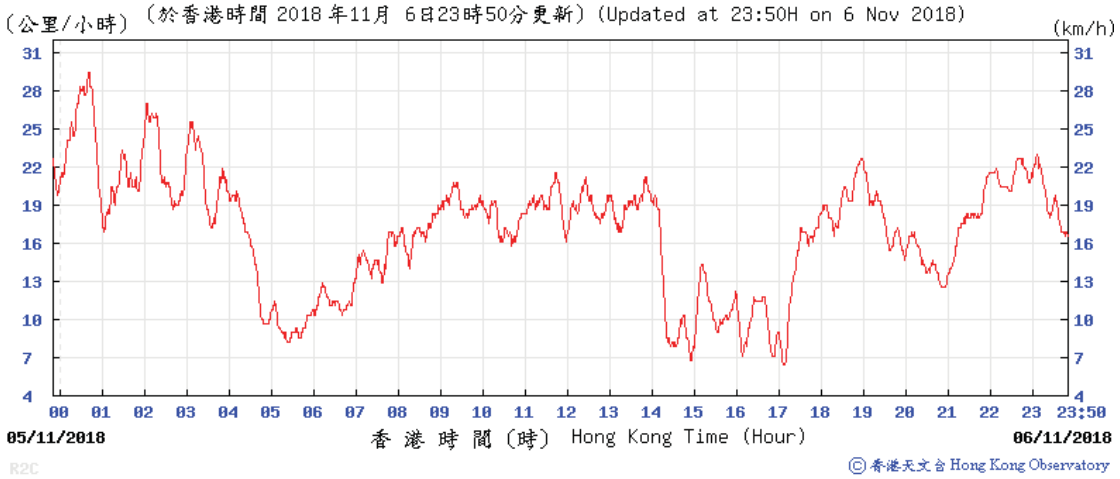
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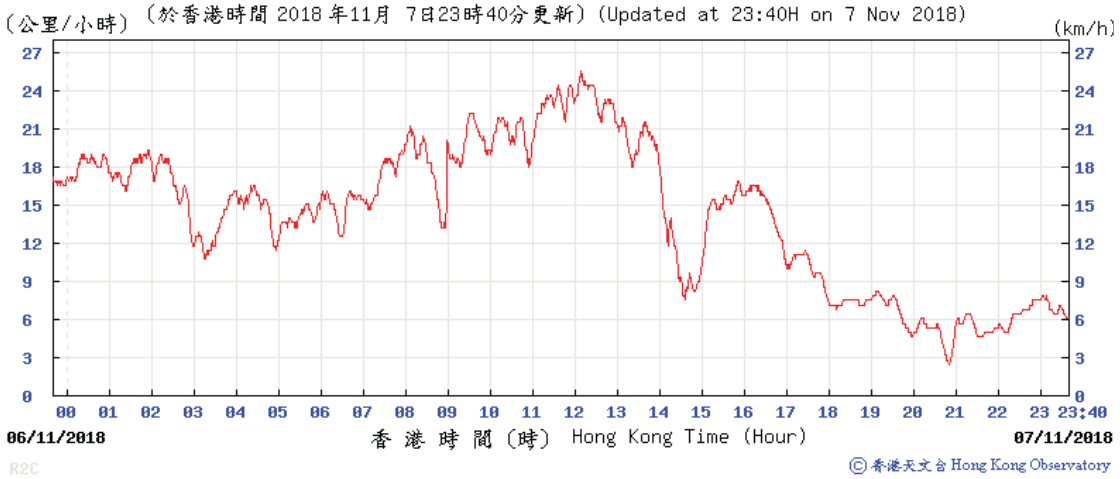
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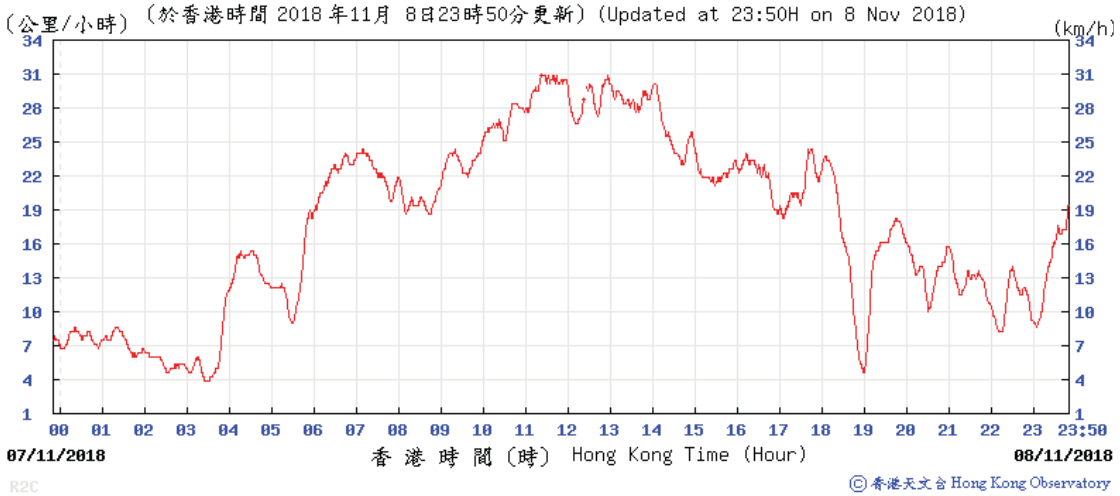
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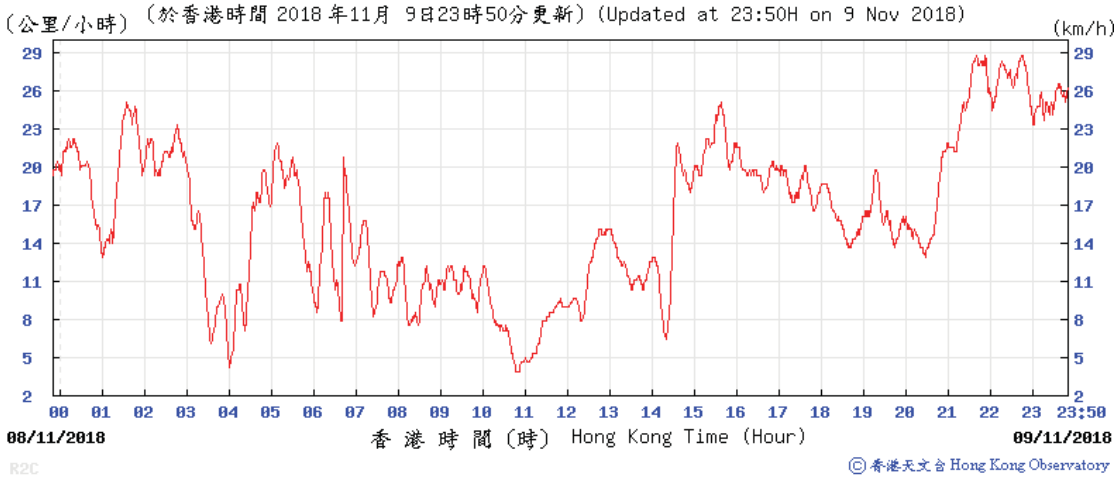
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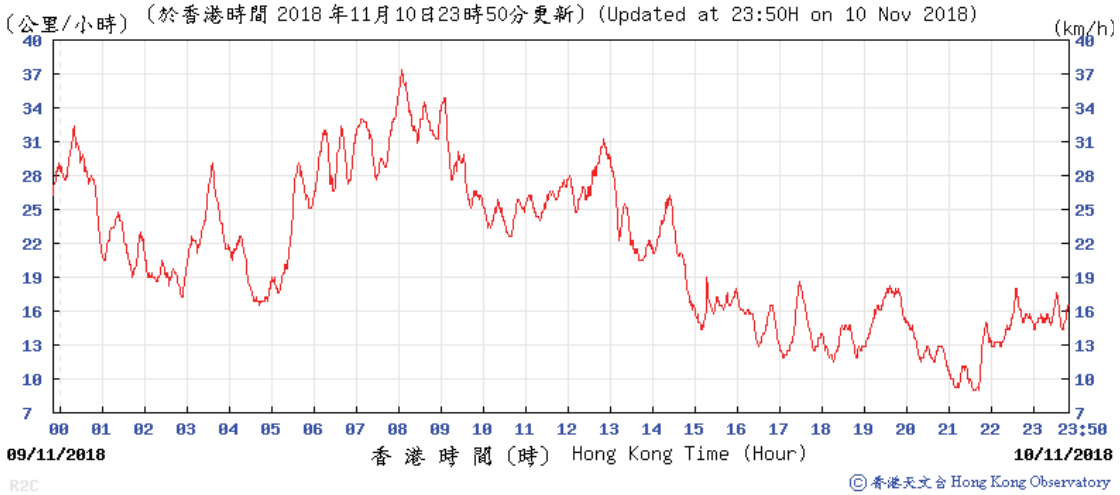
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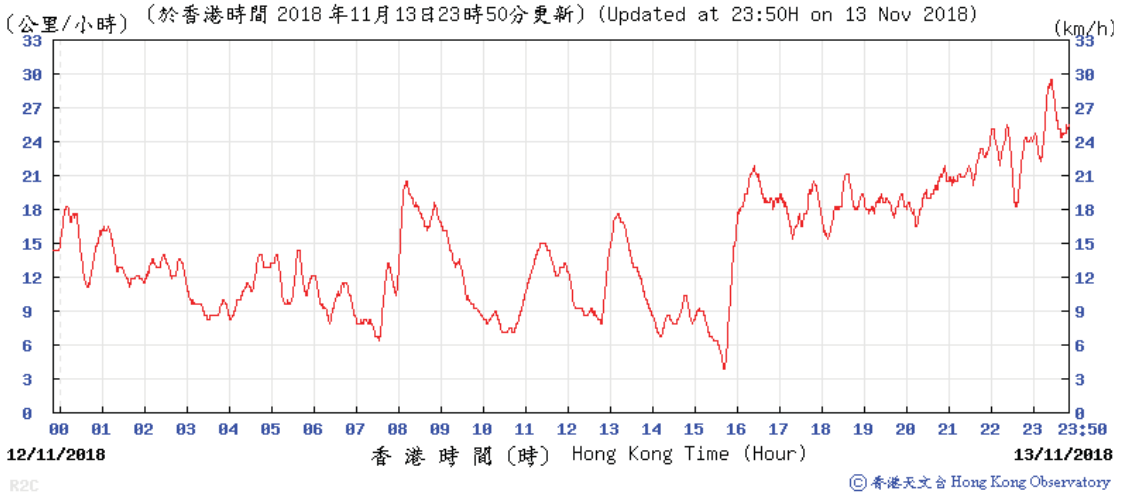
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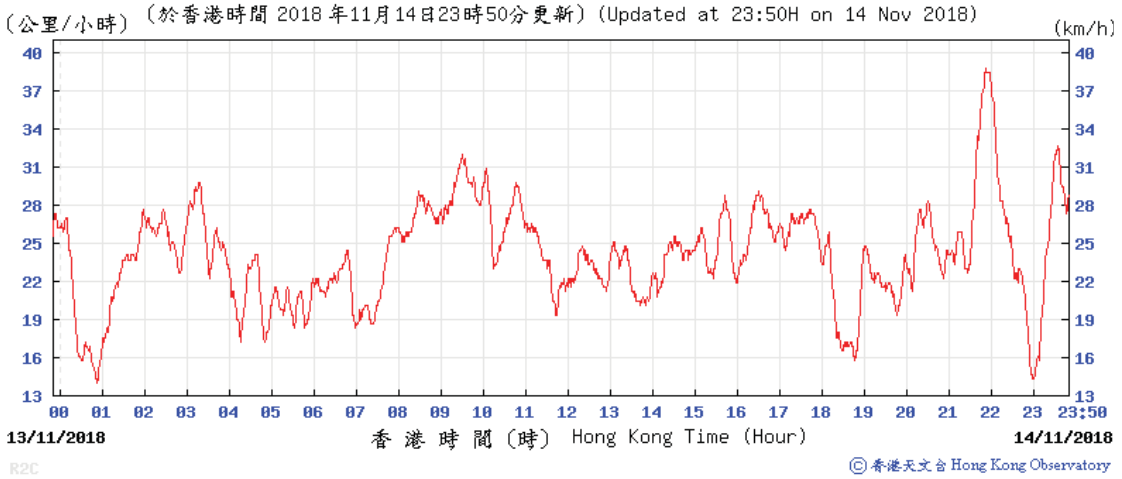
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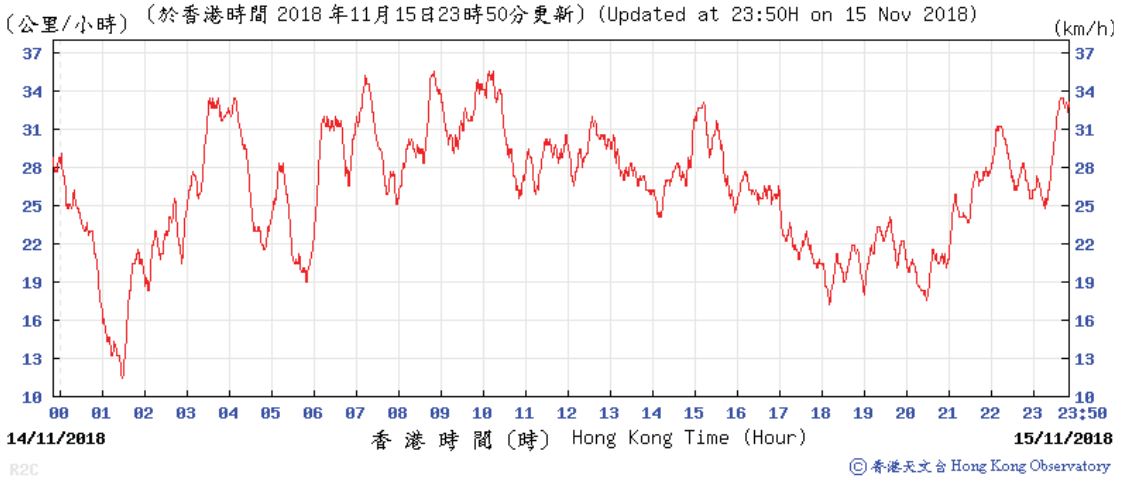
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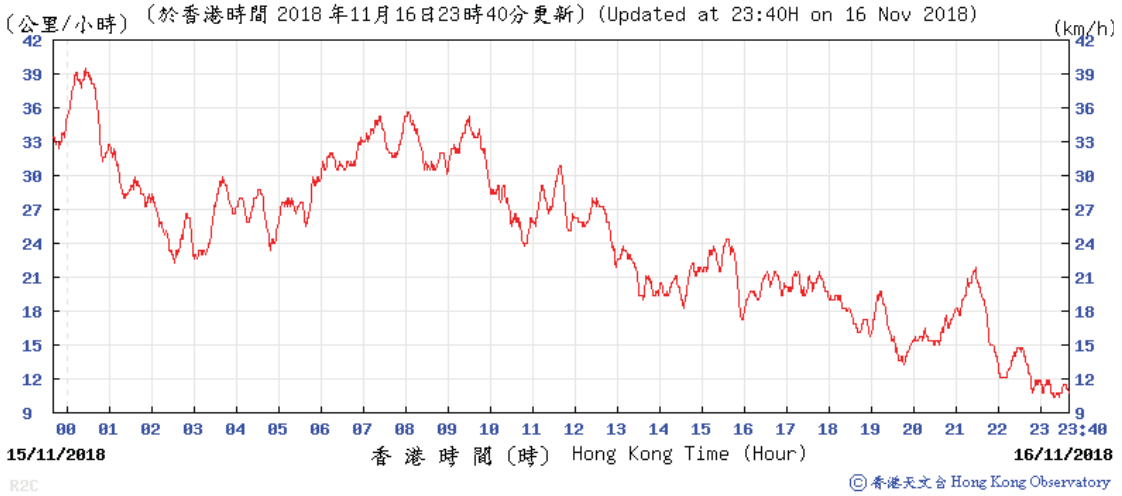
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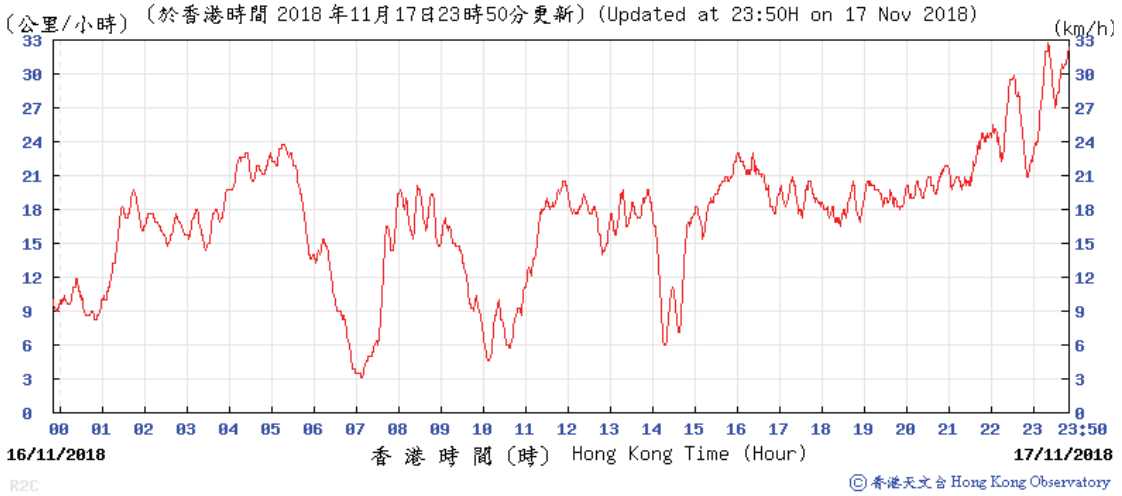
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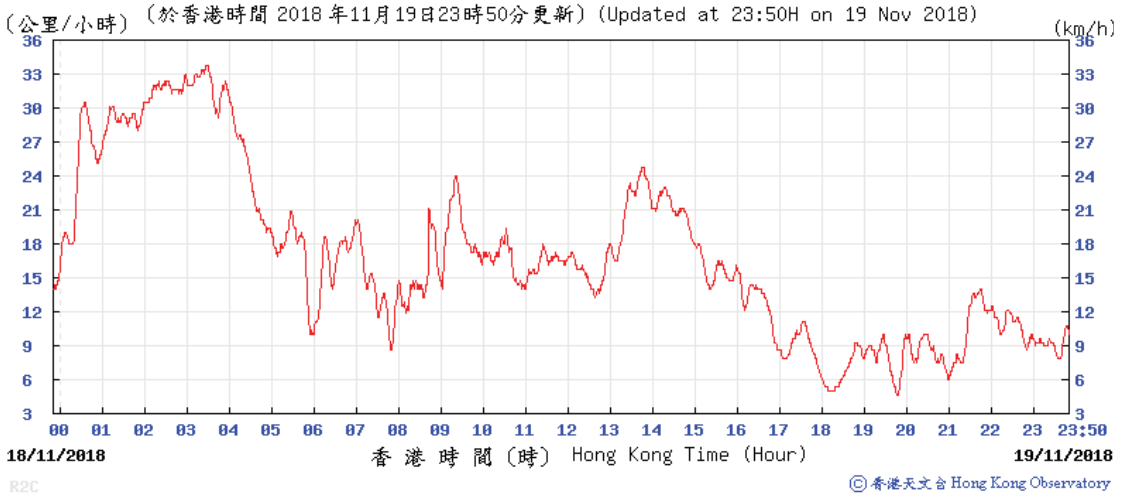
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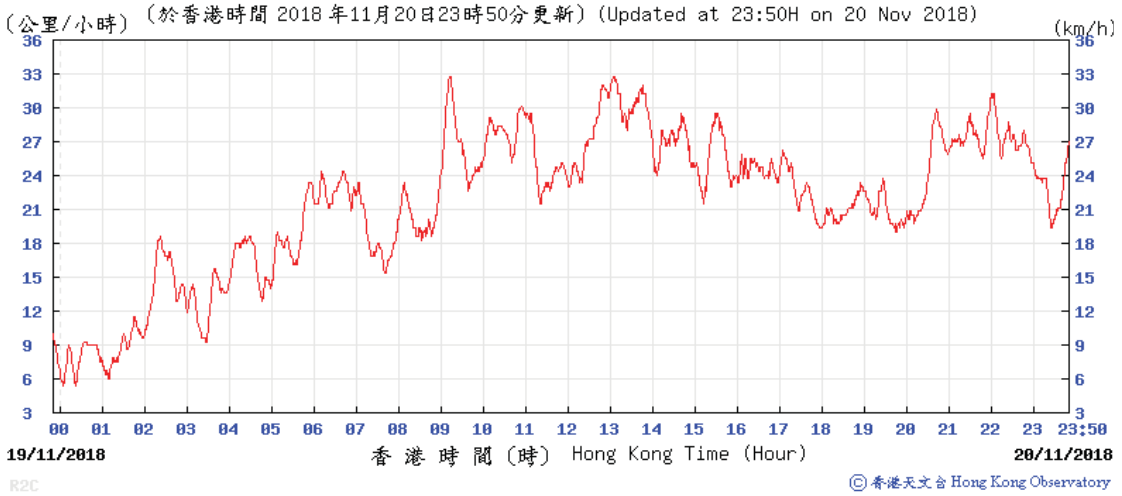
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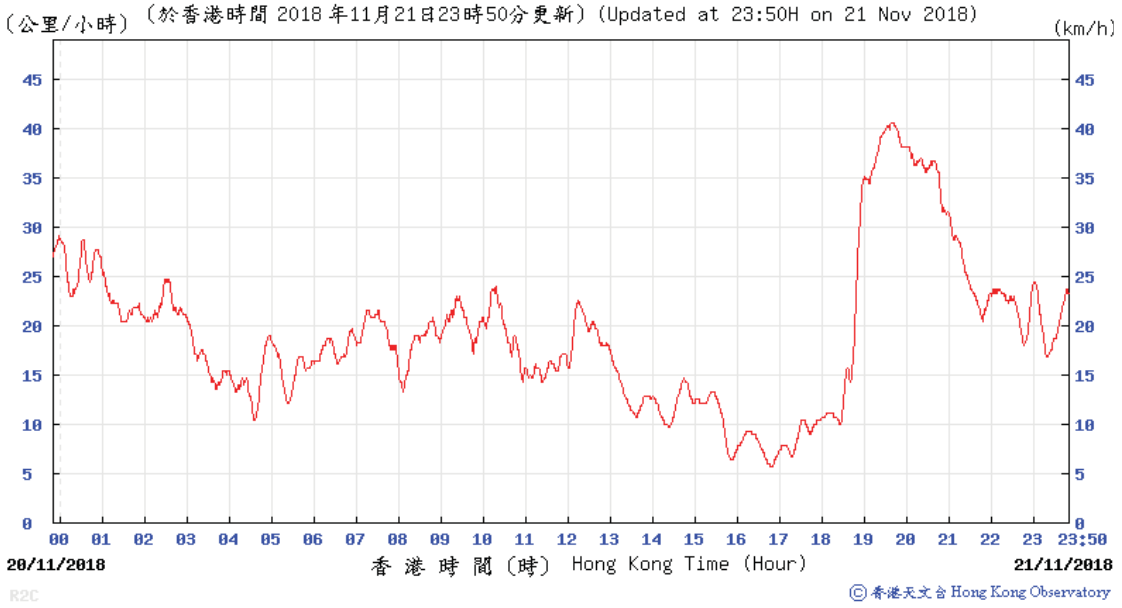
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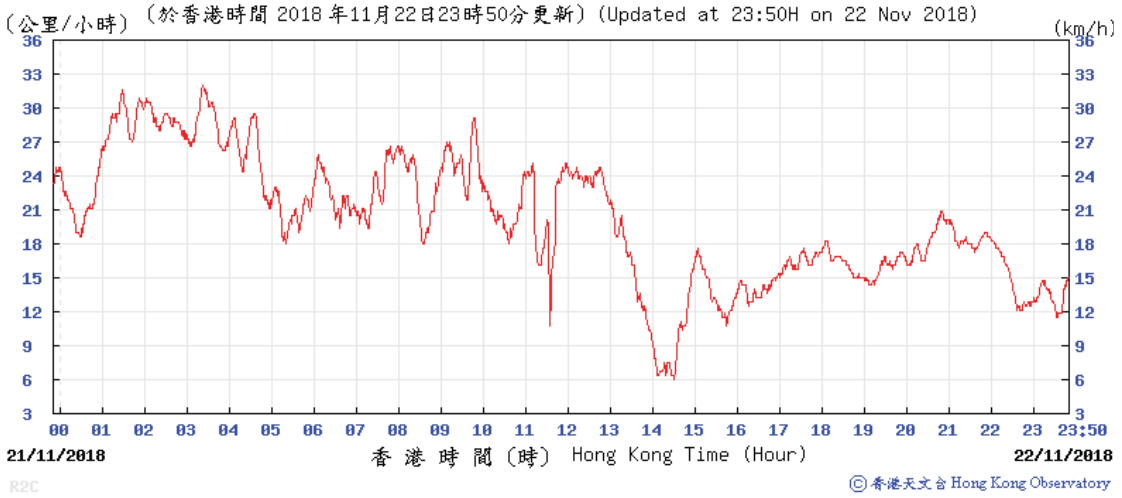
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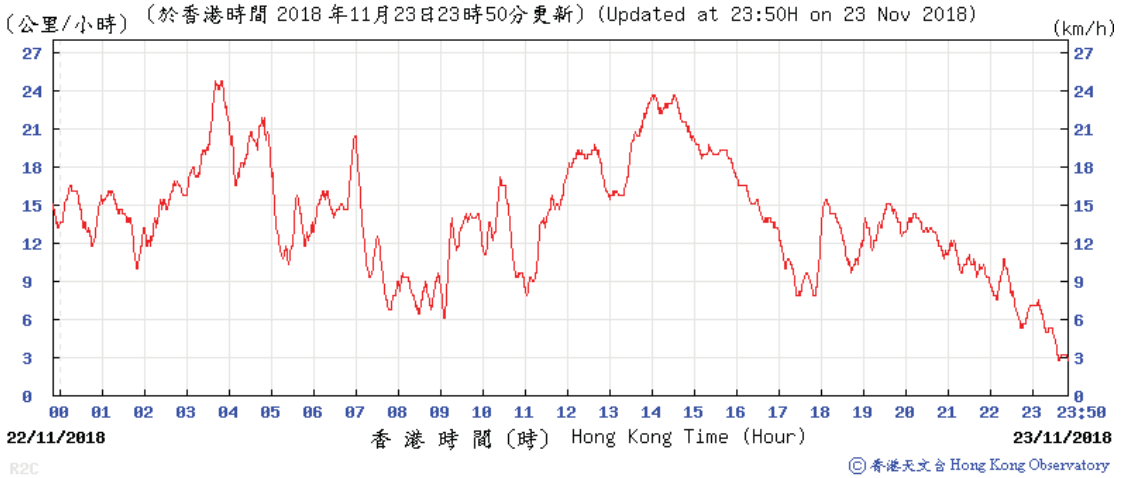
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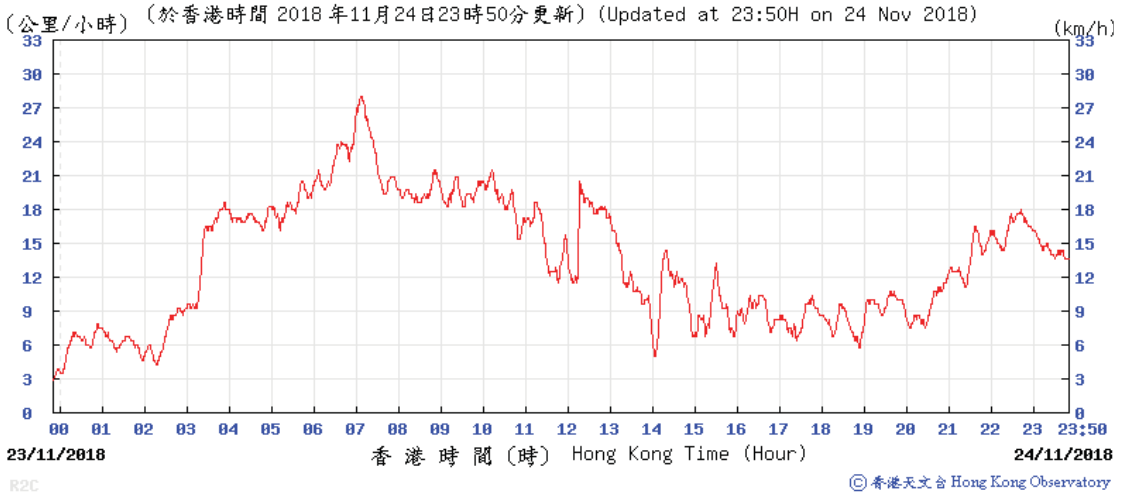
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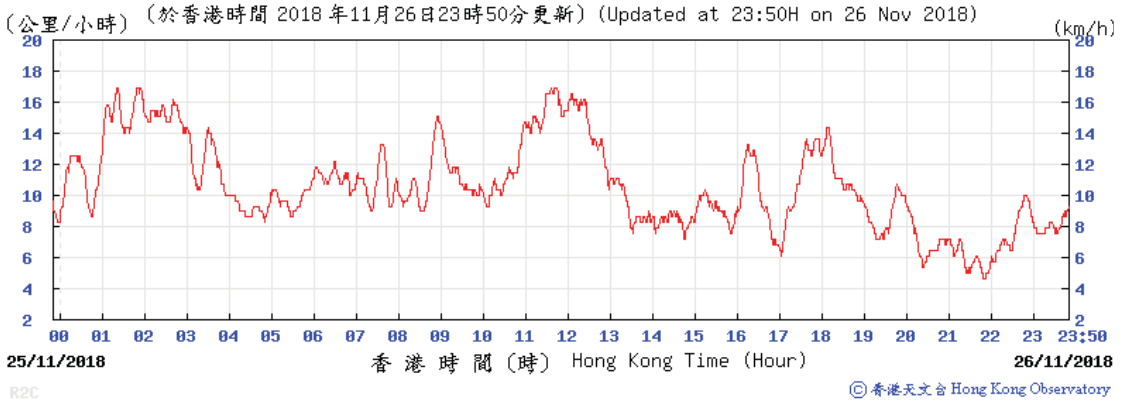
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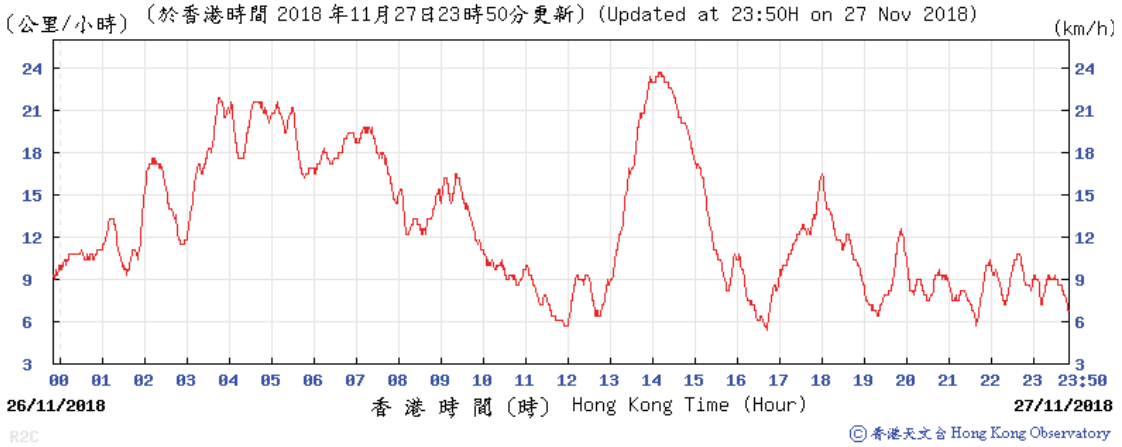
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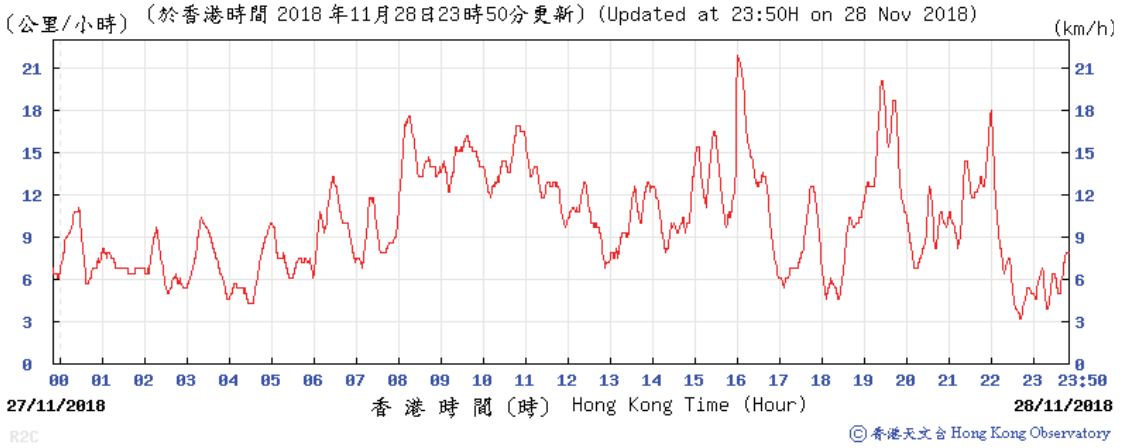
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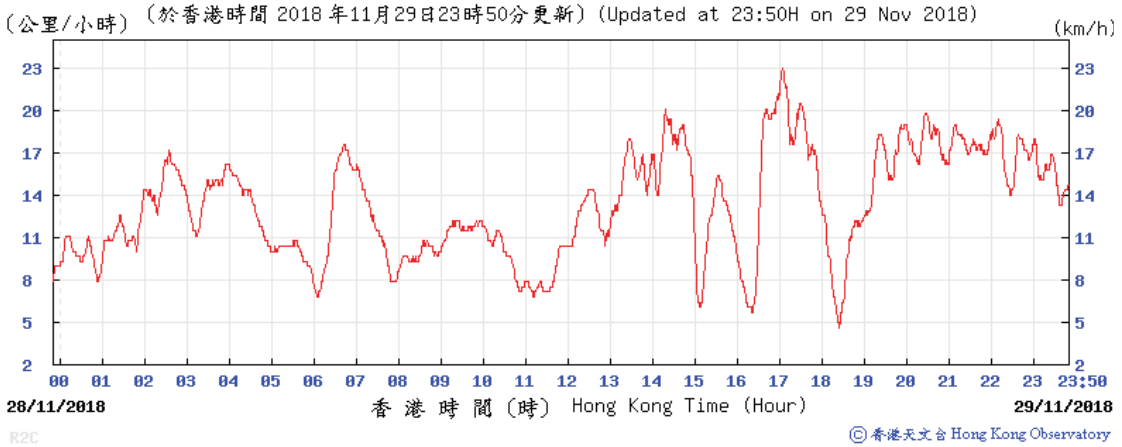
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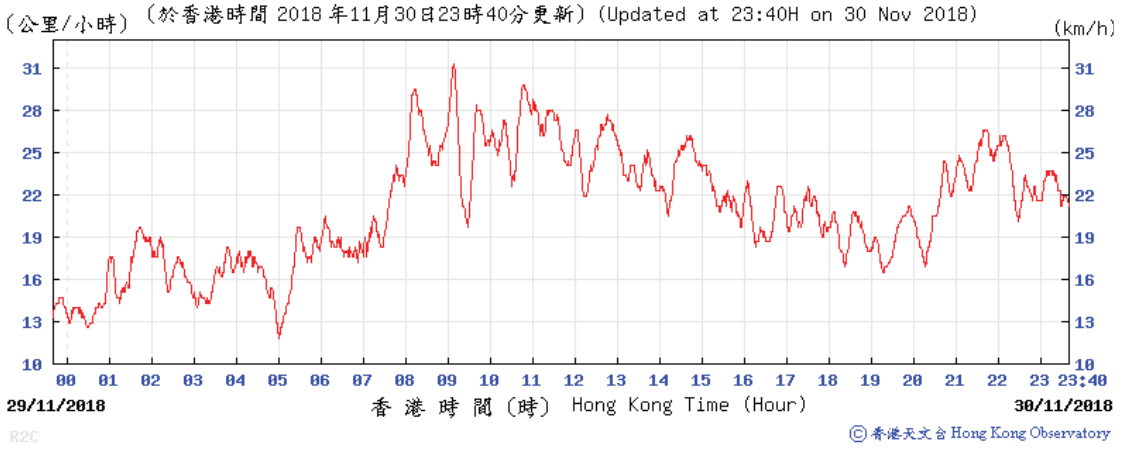
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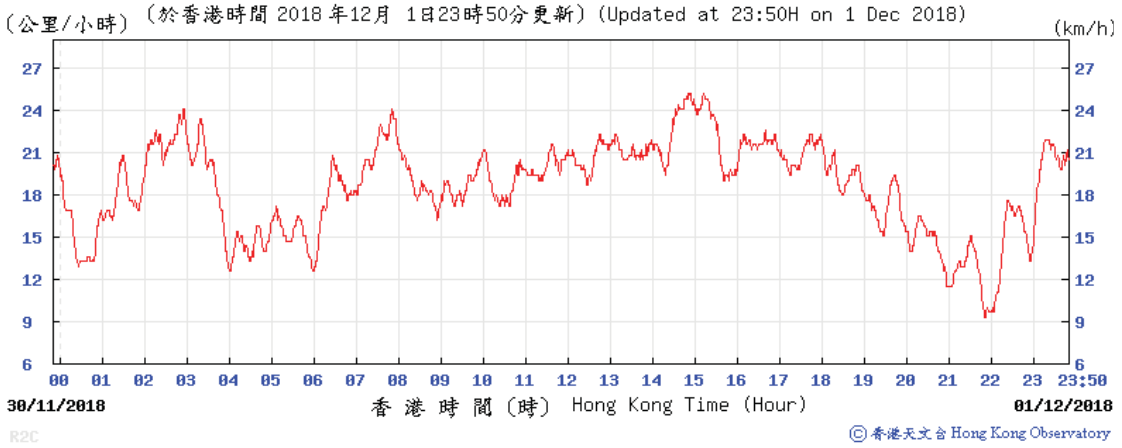
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Annex H3

Laboratory Analysis 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 Venture	WORK ORDER:	HK1853489
CONTACT:	Mr Edwin Wong		
ADDRESS:	No. 5, Sham Fung Road, Siu Ho Wan, North Lantau Island, NT, Hong Kong	LABORATORY:	Hong Kong
		SUB-BATCH:	0
		DATE RECEIVED:	5 October 2018
		DATE OF ISSUE:	11 October 2018
PROJECT:	Odour Monitoring for the Organic Resources Recovery Centre Phase 1 in Siu Ho Wan	SAMPLE TYPE:	Air
SITE:	Organic Resources Recovery Centre Phase 1 (ORRC1)	NO OF SAMPLES:	3
PO:	---		

COMMENTS

Air sample(s) were collected by ALS Technichem (HK) staff on 5th October, 2018 at the Organic Resources Recovery Centre Phase 1 (ORRC1) in Siu Ho Wan for Odour Monitoring.

The sample(s) were analysed and reported on an as received basis.

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.

Richard Fung
General Manager - Hong Kong

METHOD STATEMENT

A. Odour Concentration
1. Odour Sampling

Odour gas sample was collected by passive sampling technique. A Nalophan™ sampling bag was placed inside an air-tight sampler and then drawn to vacuum. Approximately 60 litre of gas sample was collected into the sampling bag for testing.

The odour sample was collected at the Organic Recovery Resources Centre Phase 1 (ORRC1) and sampling location was shown in Appendix A3.

2. Olfactometry Testing

Odour concentration was determined by a Forced-choice Dynamic Olfactometer in accordance with the European Standard Method (EN13725).

This European Standard specifies a method for the objective determination of the odour concentration of a gaseous sample using dynamic olfactometry with human assessors and the emission rate of odours emanating from point sources, area sources with outward flow and area sources without outward flow.

This European Standard is applicable to the measurement of odour concentration of pure substances, defined mixtures and undefined mixtures of gaseous odorants in air or nitrogen, using dynamic olfactometry with a panel of human assessors being the sensor.

The unit of measurement is the odour unit per cubic metre: OU_E/m^3. The odour concentration is measured by determining the dilution factor required to reach the detection threshold. The odour concentration at the detection threshold is by definition 1 OU_E/m^3. The odour concentration is then expressed in terms of multiples of the detection threshold. The range of measurement including pre-dilution prior to the olfactometry analysis is typically from 10^1 OU_E/m^3 to 10^7 OU_E/m^3.

Olfactometry Testing was performed by using the Scentroid™ SS600 Olfactometer. The testing was performed by at least five qualified panellists who have been selected through an n-butanol screening test.

All testing finished within 24 hours after sample receipt.

RESULT

1. Odour Concentration

Sample ID	Location	Sampling Date	Sampling Time	LOR (OU_E/Nm^3)	Odour Concentration (OU_E/Nm^3)	Characteristics of the odour detected of the gas sample	Volumetric Flow Rate (Nm^3/min)	Emission rate (OU_E/hr)
HK1853489-001	CAPC Unit	5-Oct-18	11:05 - 11:10	11	1204	Smell of Garbage	1295	93,550,000
HK1853489-002	CAPC Unit	5-Oct-18	11:11 - 11:18	11	1087	Smell of Garbage	1295	84,460,000
HK1853489-003	Field Blank	5-Oct-18	--	11	<11	--	--	--

Remark:
1. LOR denotes limit of reporting.
2. The collected sample volume of the gas bag is sufficient for olfactometry analysis.
3. Field Blank containing pure nitrogen gas was collected and filled by ALS staff on site.
4. The volumetric flow rate value for calculation of the emission rate was provided by the client.

APPENDIX 1

A1. SITE CONDITIONS AND OBSERVATION

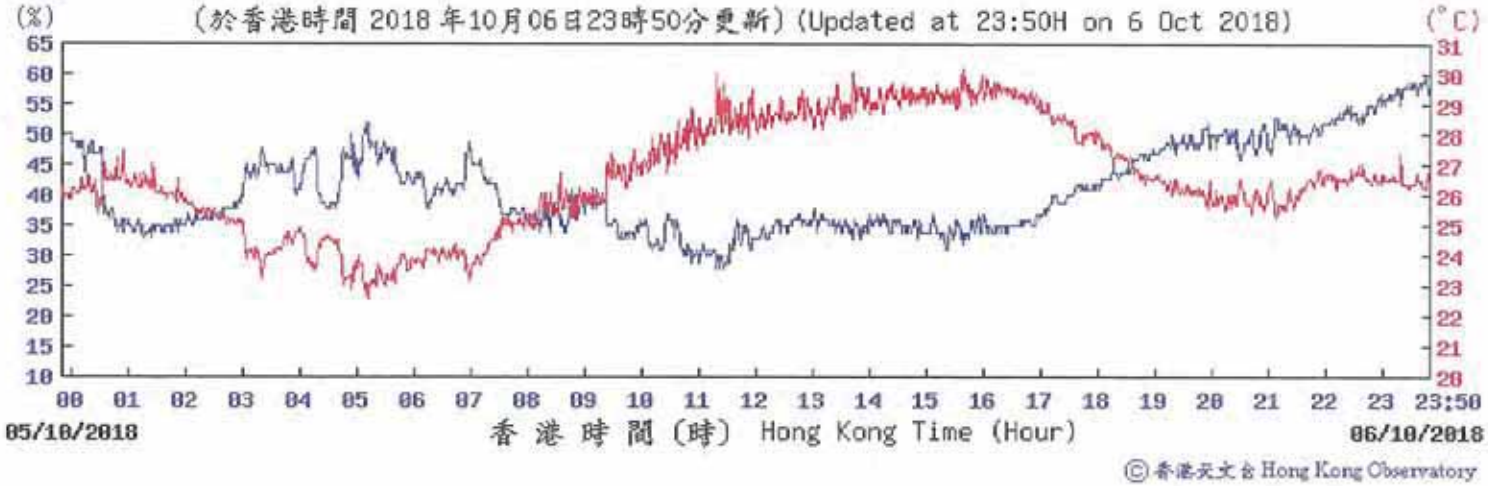
Location	Date	Time	Ambient Temperature (°C)	Relative Humidity (%)	Ambient Pressure (hPa)	Wind Speed (m/s)	Wind Direction (Degree)	Direction from Source[1]	Duration of Odour	On-Site Observation		Weather Condition
										Odour Nature	Possible Source	
CAPC Unit	5-10-18	11:05 -11:11	28.0	41.1	1010.9	1.3	306	NA	NA	No odour was smelled.	NA	Sunny

Note:
1. It was assumed that the exhaust of the CAPC Unit was from the odour source.

APPENDIX 2

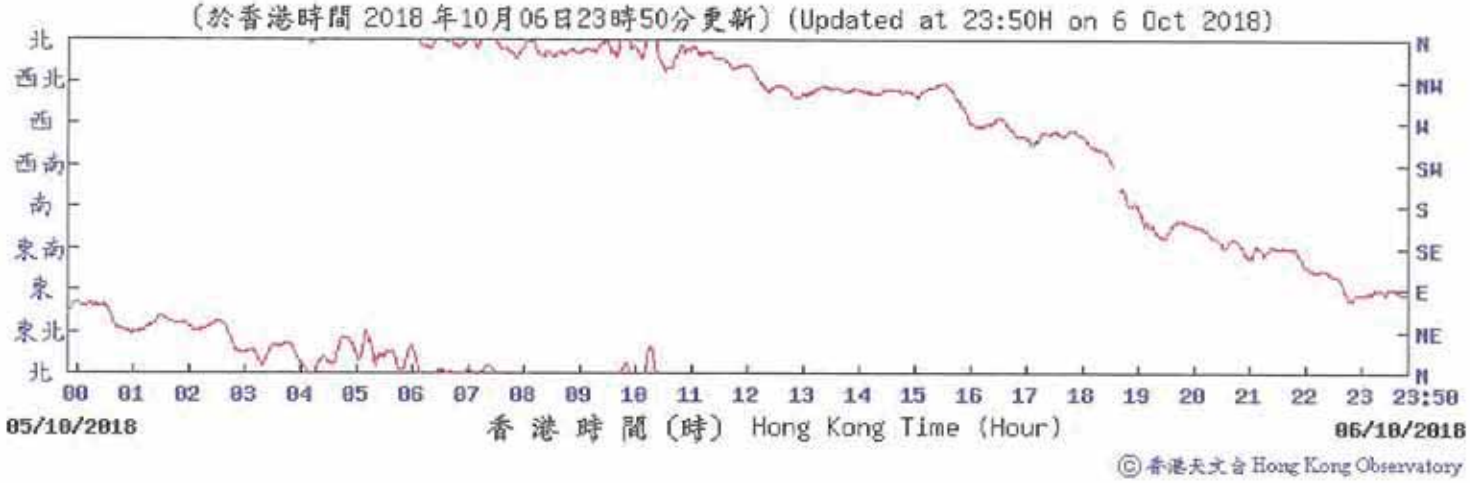
A2. EXTRACT OF METEOROLOGICAL OBSERVATIONS FROM THE HONG KONG AIRPORT OBSERVATORY STATION

Tempearture/Humidity:



Pressure:

Wind Direction:



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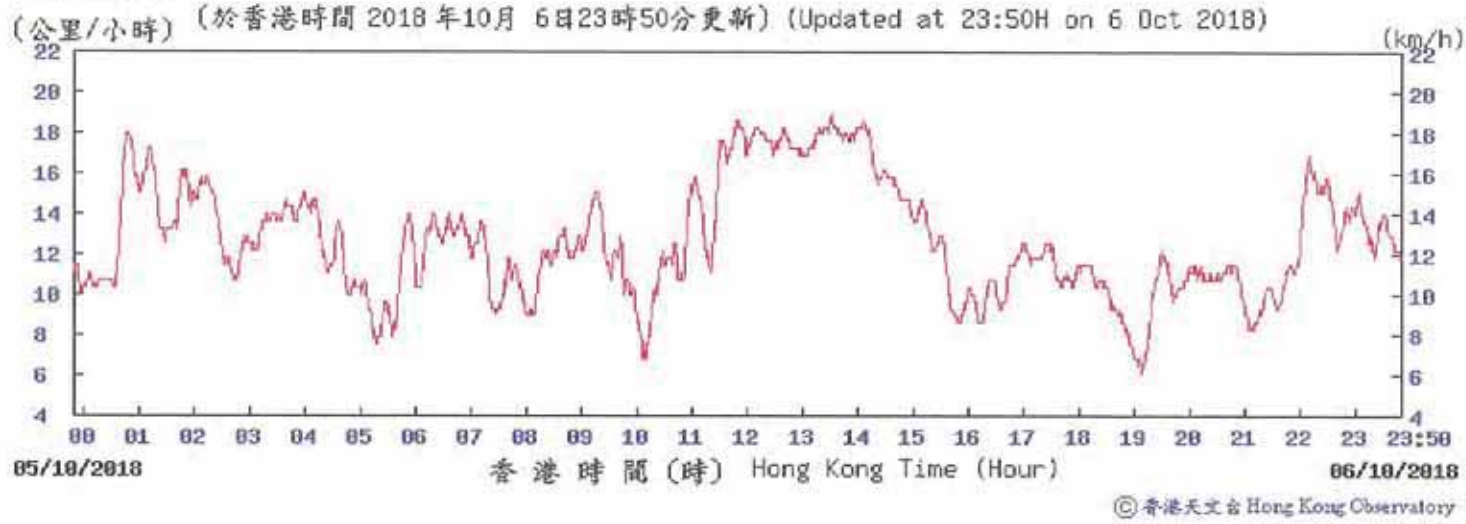


APPENDIX 3

A3. PHOTO OF THE SAMPLING LOCATION

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 Venture	WORK ORDER:	HK1854516
CONTACT:	Mr Edwin Wong		
ADDRESS:	No. 5, Sham Fung Road, Siu Ho Wan, North Lantau Island, NT, Hong Kong	LABORATORY:	Hong Kong
		SUB-BATCH:	0
		DATE RECEIVED:	12 October 2018
		DATE OF ISSUE:	18 October 2018
PROJECT:	Odour Monitoring for the Organic Resources Recovery Centre Phase 1 in Siu Ho Wan	SAMPLE TYPE:	Air
SITE:	Organic Resources Recovery Centre Phase 1 (ORRC1)	NO OF SAMPLES:	3
PO:	---		

COMMENTS

Air sample(s) were collected by ALS Technichem (HK) staff on 12th October, 2018 at the Organic Resources Recovery Centre Phase 1 (ORRC1) in Siu Ho Wan for Odour Monitoring.

The sample(s) were analysed and reported on an as received basis.

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.

Richard Fung
General Manager - Hong Kong

METHOD STATEMENT

A. Odour Concentration

1. Odour Sampling

Odour gas sample was collected by passive sampling technique. A Nalophan™ sampling bag was placed inside an air-tight sampler and then drawn to vacuum. Approximately 60 litre of gas sample was collected into the sampling bag for testing.

The odour sample was collected at the Organic Recovery Resources Centre Phase 1 (ORRC1) and sampling location was shown in Appendix A3.

2. Olfactometry Testing

Odour concentration was determined by a Forced-choice Dynamic Olfactometer in accordance with the European Standard Method (EN13725).

This European Standard specifies a method for the objective determination of the odour concentration of a gaseous sample using dynamic olfactometry with human assessors and the emission rate of odours emanating from point sources, area sources with outward flow and area sources without outward flow.

This European Standard is applicable to the measurement of odour concentration of pure substances, defined mixtures and undefined mixtures of gaseous odorants in air or nitrogen, using dynamic olfactometry with a panel of human assessors being the sensor.

The unit of measurement is the odour unit per cubic metre: OU_E/m^3. The odour concentration is measured by determining the dilution factor required to reach the detection threshold. The odour concentration at the detection threshold is by definition 1 OU_E/m^3. The odour concentration is then expressed in terms of multiples of the detection threshold. The range of measurement including pre-dilution prior to the olfactometry analysis is typically from 10^1 OU_E/m^3 to 10^7 OU_E/m^3.

Olfactometry Testing was performed by using the Scentroid™ SS600 Olfactometer. The testing was performed by at least five qualified panellists who have been selected through an n-butanol screening test.

All testing finished within 24 hours after sample receipt.

RESULT

1. Odour Concentration

Sample ID	Location	Sampling Date	Sampling Time	LOR (OU_E/Nm^3)	Odour Concentration (OU_E/Nm^3)	Characteristics of the odour detected of the gas sample	Volumetric Flow Rate (Nm^3/min)	Emission rate (OU_E/hr)
HK1854516-001	CAPC Unit	12-Oct-18	15:08 - 15:12	11	2107	Smell of Garbage	1820	230,000,000
HK1854516-002	CAPC Unit	12-Oct-18	15:12 - 15:16	11	2463	Smell of Garbage	1820	269,000,000
HK1854516-003	Field Blank	12-Oct-18	--	11	<11	--	--	--

Remark:
1. LOR denotes limit of reporting.
2. The collected sample volume of the gas bag is sufficient for olfactometry analysis.
3. Field Blank containing pure nitrogen gas was collected and filled by ALS staff.
4. The volumetric flow rate value for calculation of the emission rate was provided by the client.

APPENDIX 1

A1. SITE CONDITIONS AND OBSERVATION

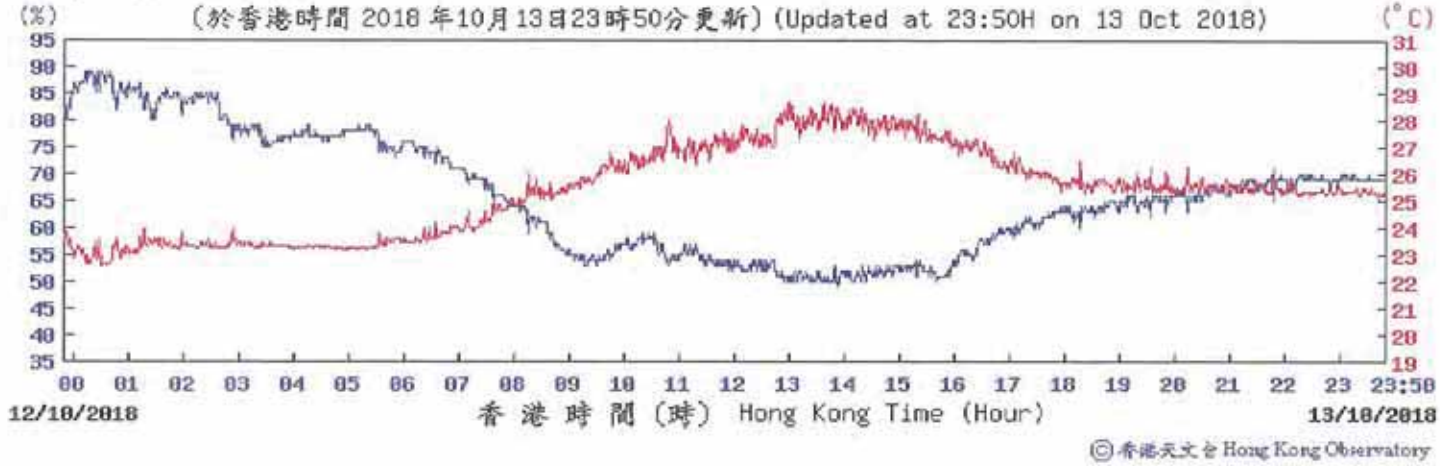
Location	Date	Time	Ambient Temperature (°C)	Relative Humidity (%)	Ambient Pressure (hPa)	Wind Speed (m/s)	Wind Direction (Degree)	Direction from Source[1]	Duration of Odour	On-Site Observation		Weather Condition
										Odour Nature	Possible Source	
CAPC Unit	12-10-18	15:08 -15:16	25.2	62.1	1012.7	2.0	109	NA	NA	No odour was smelled.	NA	Sunny

Note:
1. It was assumed that the exhaust of the CAPC Unit was from the odour source.

APPENDIX 2

A2. EXTRACT OF METEOROLOGICAL OBSERVATIONS FROM THE HONG KONG AIRPORT OBSERVATORY STATION

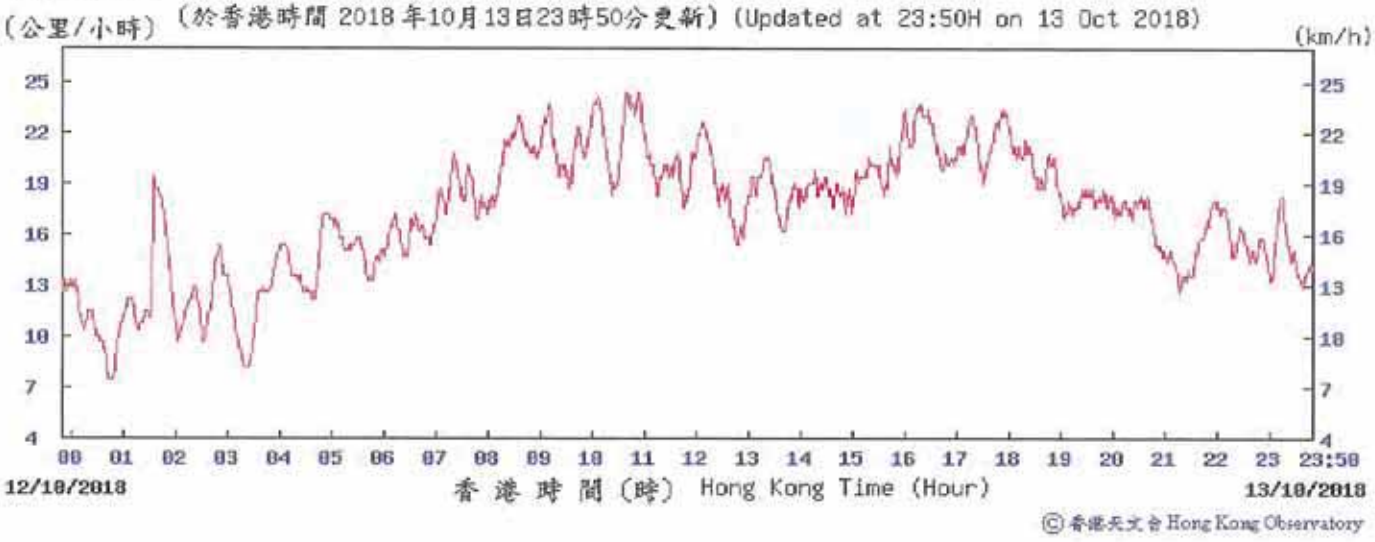
Tempearture/Humidity:



Pressure:

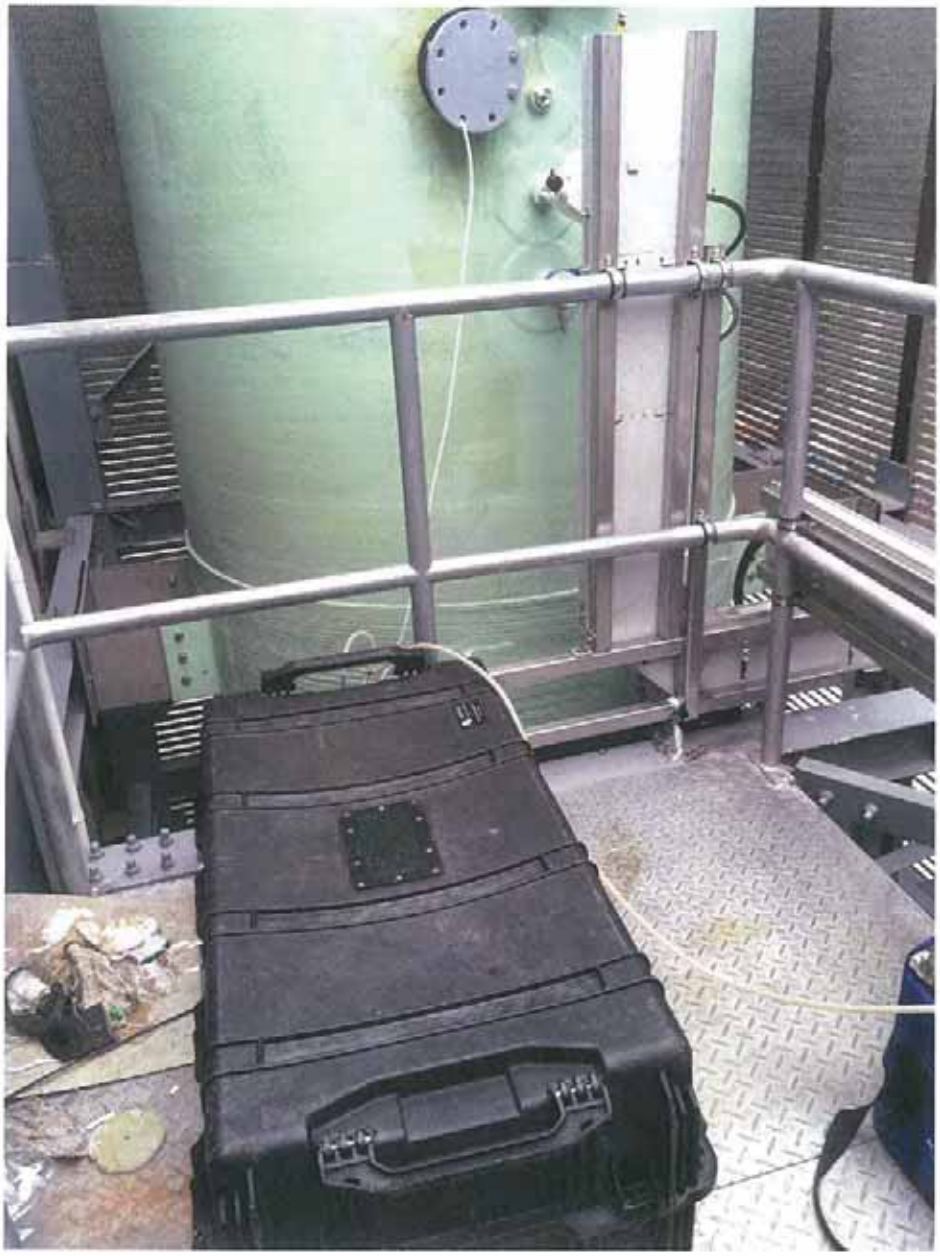
Wind Direction:

Wind Speed:



APPENDIX 3

A3. PHOTO OF THE SAMPLING LOCATION



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CERTIFICATE OF ANALYSIS

CLIENT:	Oscar Bioenergy Joint Venture	WORK ORDER:	HK1855605
CONTACT:	Mr Edwin Wong		
ADDRESS:	No. 5, Sham Fung Road, Siu Ho Wan, North Lantau Island, NT, Hong Kong	LABORATORY:	Hong Kong
		SUB-BATCH:	0
		DATE RECEIVED:	19 October 2018
		DATE OF ISSUE:	29 October 2018
PROJECT:	Odour Monitoring for the Organic Resources Recovery Centre Phase 1 in Siu Ho Wan	SAMPLE TYPE:	Air
SITE:	Organic Resources Recovery Centre Phase 1 (ORRC1)	NO OF SAMPLES:	3
PO:	---		

COMMENTS

Air sample(s) were collected by ALS Technichem (HK) staff on 19th October, 2018 at the Organic Resources Recovery Centre Phase 1 (ORRC1) in Siu Ho Wan for Odour Monitoring.

The sample(s) were analysed and reported on an as received basis.

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.

Richard Fung
General Manager, Hong Kong

METHOD STATEMENT

A. Odour Concentration

1. Odour Sampling

Odour gas sample was collected by passive sampling technique. A Nalophan™ sampling bag was placed inside an air-tight sampler and then drawn to vacuum. Approximately 60 litre of gas sample was collected into the sampling bag for testing.

The odour sample was collected at the Organic Recovery Resources Centre Phase 1 (ORRC1) and sampling location was shown in Appendix A3.

2. Olfactometry Testing

Odour concentration was determined by a Forced-choice Dynamic Olfactometer in accordance with the European Standard Method (EN13725).

This European Standard specifies a method for the objective determination of the odour concentration of a gaseous sample using dynamic olfactometry with human assessors and the emission rate of odours emanating from point sources, area sources with outward flow and area sources without outward flow.

This European Standard is applicable to the measurement of odour concentration of pure substances, defined mixtures and undefined mixtures of gaseous odorants in air or nitrogen, using dynamic olfactometry with a panel of human assessors being the sensor.

The unit of measurement is the odour unit per cubic metre: OU_E/m^3. The odour concentration is measured by determining the dilution factor required to reach the detection threshold. The odour concentration at the detection threshold is by definition 1 OU_E/m^3. The odour concentration is then expressed in terms of multiples of the detection threshold. The range of measurement including pre-dilution prior to the olfactometry analysis is typically from 10^1 OU_E/m^3 to 10^7 OU_E/m^3.

Olfactometry Testing was performed by using the Scentroid™ SS600 Olfactometer. The testing was performed by at least five qualified panellists who have been selected through an n-butanol screening test.

All testing finished within 24 hours after sample receipt.

RESULT

1. Odour Concentration

Sample ID	Location	Sampling Date	Sampling Time	LOR (OU_E/Nm^3)	Odour Concentration (OU_E/Nm^3)	Characteristics of the odour detected of the gas sample	Volumetric Flow Rate (Nm^3/min)	Emission rate (OU_E/hr)
HK1855605-001	CAPC Unit	19-Oct-18	11:01 - 11:05	11	2273	Smell of Garbage	1250	170,000,000
HK1855605-002	CAPC Unit	19-Oct-18	11:06 - 11:09	11	2273	Smell of Garbage	1250	170,000,000
HK1855605-003	Field Blank	19-Oct-18	--	11	<11	--	--	--

Remark:
1. LOR denotes limit of reporting.
2. The collected sample volume of the gas bag is sufficient for olfactometry analysis.
3. Field Blank containing pure nitrogen gas was collected and filled by ALS staff.
4. The volumetric flow rate value for calculation of the emission rate was provided by the client.

APPENDIX 1

A1. SITE CONDITIONS AND OBSERVATION

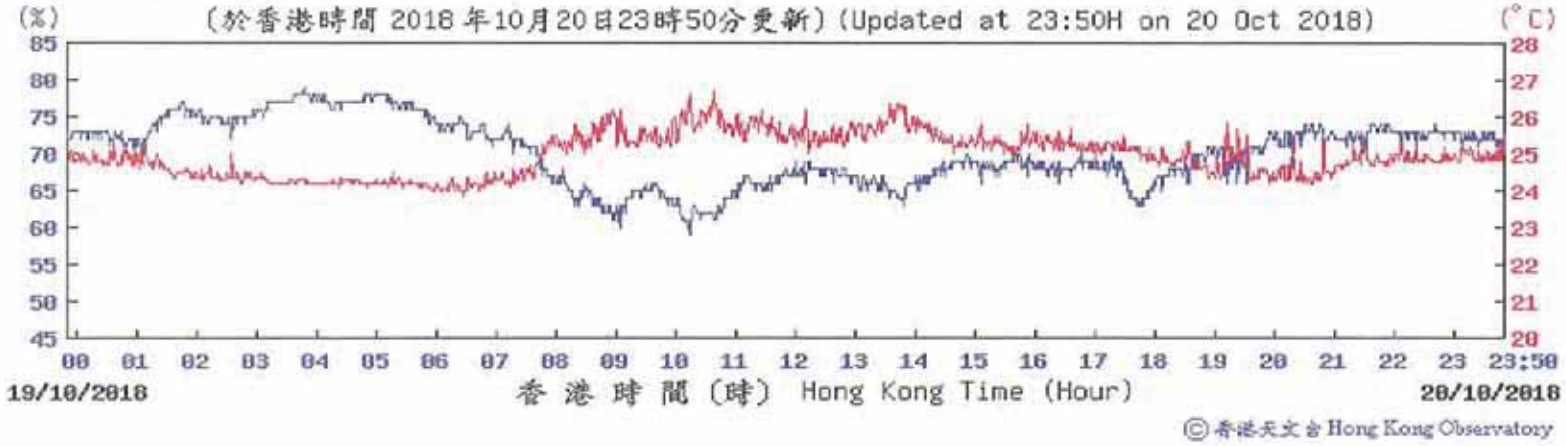
Location	Date	Time	Ambient Temperature (°C)	Relative Humidity (%)	Ambient Pressure (hPa)	Wind Speed (m/s)	Wind Direction (Degree)	Direction from Source[1]	Duration of Odour	On-Site Observation		Weather Condition
										Odour Nature	Possible Source	
CAPC Unit	19-10-18	11:01 -11:09	25.7	67.5	1013.5	1.5	113	NA	NA	No odour was smelled.	NA	Sunny

Note:
1. It was assumed that the exhaust of the CAPC Unit was from the odour source.

APPENDIX 2

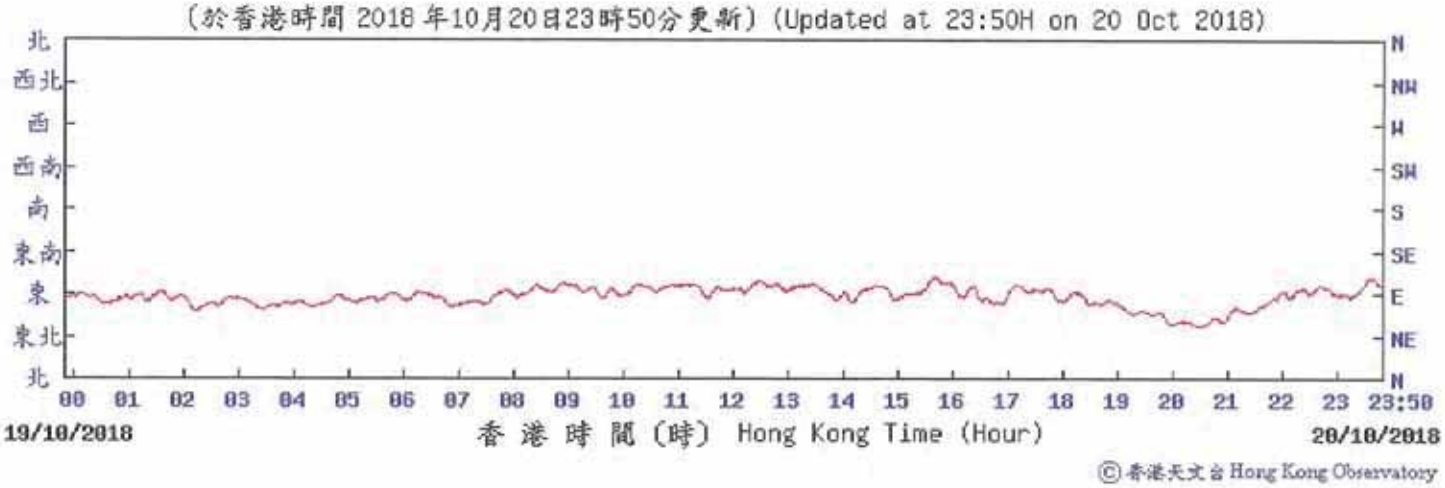
A2. EXTRACT OF METEOROLOGICAL OBSERVATIONS FROM THE HONG KONG AIRPORT OBSERVATORY STATION

Tempearture/Humidity:

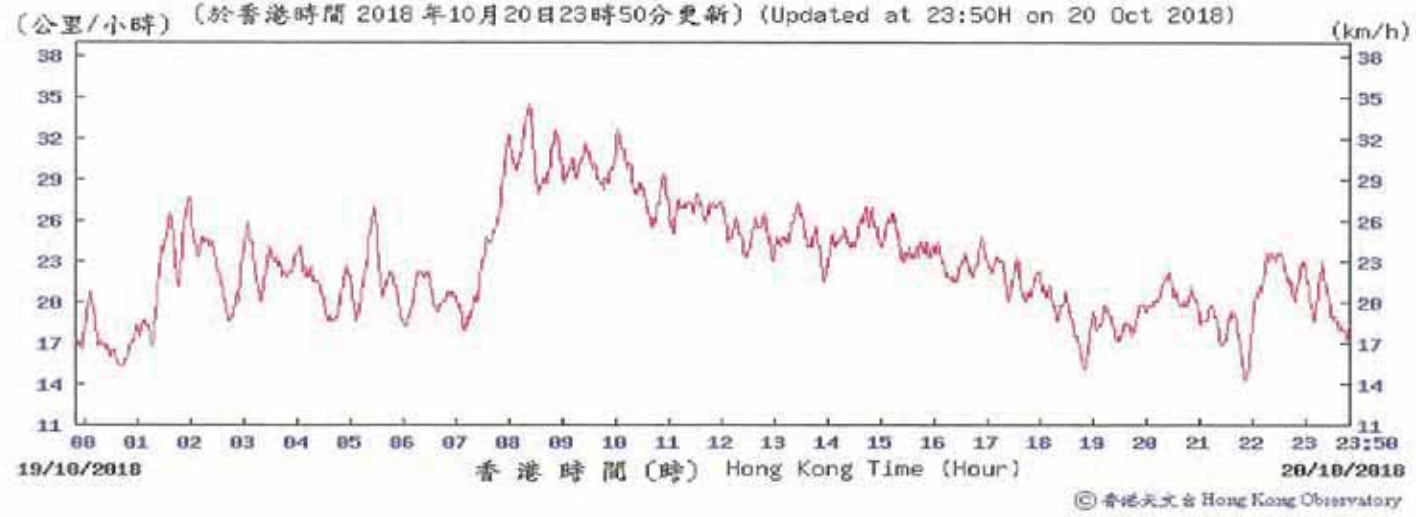


Pressure:

Wind Direction:

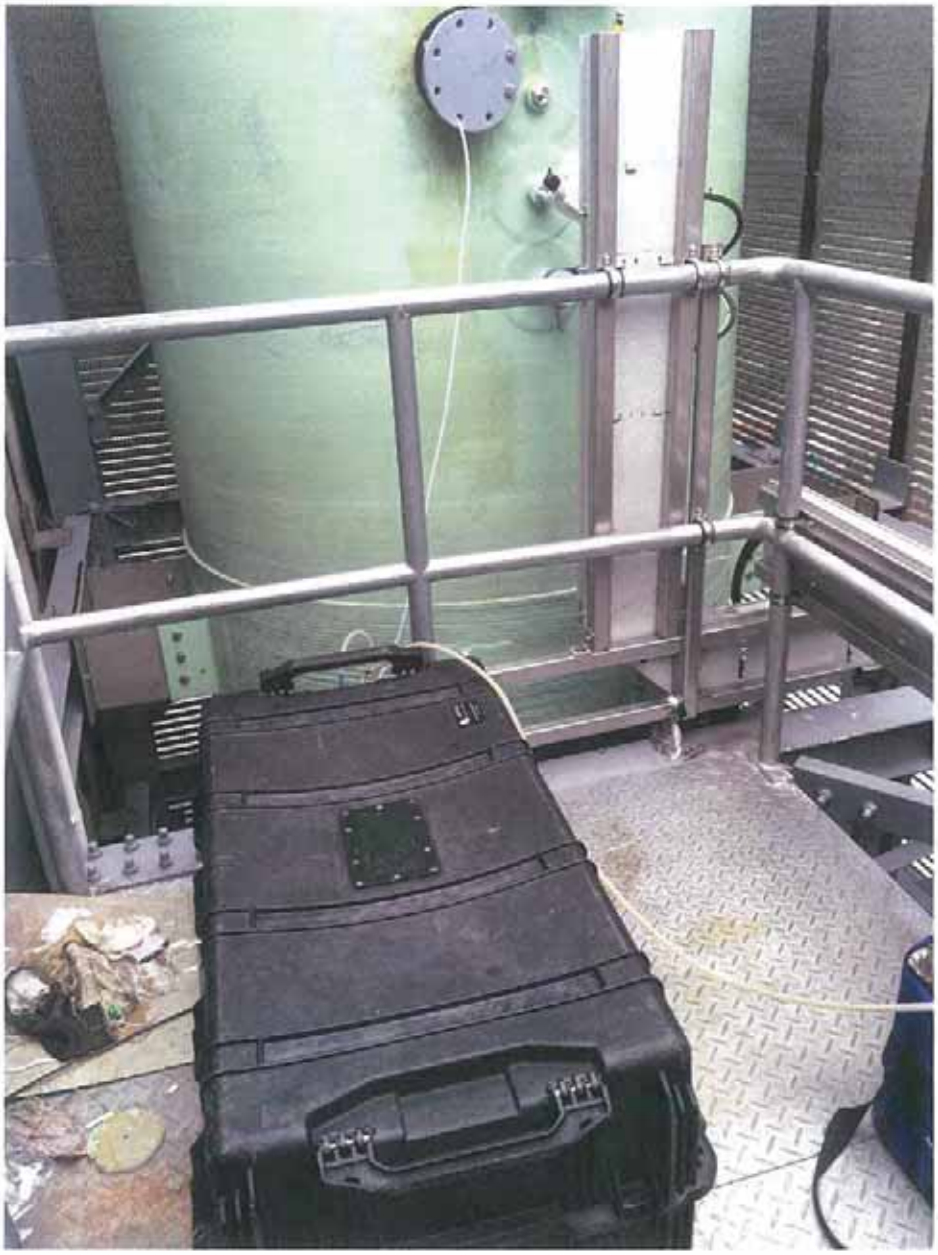


Wind Speed:



APPENDIX 3

A3. PHOTO OF THE SAMPLING LOCATION



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CERTIFICATE OF ANALYSIS

CLIENT:	Oscar Bioenergy Joint Venture	WORK ORDER:	HK1856261
CONTACT:	Mr Edwin Wong		
ADDRESS:	No. 5, Sham Fung Road, Siu Ho Wan, North Lantau Island, NT, Hong Kong	LABORATORY:	Hong Kong
		SUB-BATCH:	0
		DATE RECEIVED:	26 October 2018
		DATE OF ISSUE:	29 October 2018
PROJECT:	Odour Monitoring for the Organic Resources Recovery Centre Phase 1 in Siu Ho Wan	SAMPLE TYPE:	Air
SITE:	Organic Resources Recovery Centre Phase 1 (ORRC1)	NO OF SAMPLES:	3
PO:	---		

COMMENTS

Air sample(s) were collected by ALS Technichem (HK) staff on 26th October, 2018 at the Organic Resources Recovery Centre Phase 1 (ORRC1) in Siu Ho Wan for Odour Monitoring.

The sample(s) were analysed and reported on an as received basis.

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.

Richard Fung
General Manager - Hong Kong

METHOD STATEMENT

A. Odour Concentration

1. Odour Sampling

Odour gas sample was collected by passive sampling technique. A Nalophan™ sampling bag was placed inside an air-tight sampler and then drawn to vacuum. Approximately 60 litre of gas sample was collected into the sampling bag for testing.

The odour sample was collected at the Organic Recovery Resources Centre Phase 1 (ORRC1) and sampling location was shown in Appendix A3.

2. Olfactometry Testing

Odour concentration was determined by a Forced-choice Dynamic Olfactometer in accordance with the European Standard Method (EN13725).

This European Standard specifies a method for the objective determination of the odour concentration of a gaseous sample using dynamic olfactometry with human assessors and the emission rate of odours emanating from point sources, area sources with outward flow and area sources without outward flow.

This European Standard is applicable to the measurement of odour concentration of pure substances, defined mixtures and undefined mixtures of gaseous odorants in air or nitrogen, using dynamic olfactometry with a panel of human assessors being the sensor.

The unit of measurement is the odour unit per cubic metre: OU_E/m^3. The odour concentration is measured by determining the dilution factor required to reach the detection threshold. The odour concentration at the detection threshold is by definition 1 OU_E/m^3. The odour concentration is then expressed in terms of multiples of the detection threshold. The range of measurement including pre-dilution prior to the olfactometry analysis is typically from 10^1 OU_E/m^3 to 10^7 OU_E/m^3.

Olfactometry Testing was performed by using the Scentroid™ SS600 Olfactometer. The testing was performed by at least five qualified panellists who have been selected through an n-butanol screening test.

All testing finished within 24 hours after sample receipt.

RESULT

1. Odour Concentration

Sample ID	Location	Sampling Date	Sampling Time	LOR (OU_E/Nm^3)	Odour Concentration (OU_E/Nm^3)	Characteristics of the odour detected of the gas sample	Volumetric Flow Rate (Nm^3/min)	Emission rate (OU_E/hr)
HK1856261-001	CAPC Unit	26-Oct-18	10:35 - 10:40	11	1817	Smell of Garbage	1760	192,000,000
HK1856261-002	CAPC Unit	26-Oct-18	10:40 - 10:44	11	1668	Smell of Garbage	1760	176,000,000
HK1856261-003	Field Blank	26-Oct-18	--	11	<11	--	--	--

Remark:
1. LOR denotes limit of reporting.
2. The collected sample volume of the gas bag is sufficient for olfactometry analysis.
3. Field Blank containing pure nitrogen gas was collected and filled by ALS staff.
4. The volumetric flow rate value for calculation of the emission rate was provided by the client.

APPENDIX 1

A1. SITE CONDITIONS AND OBSERVATION

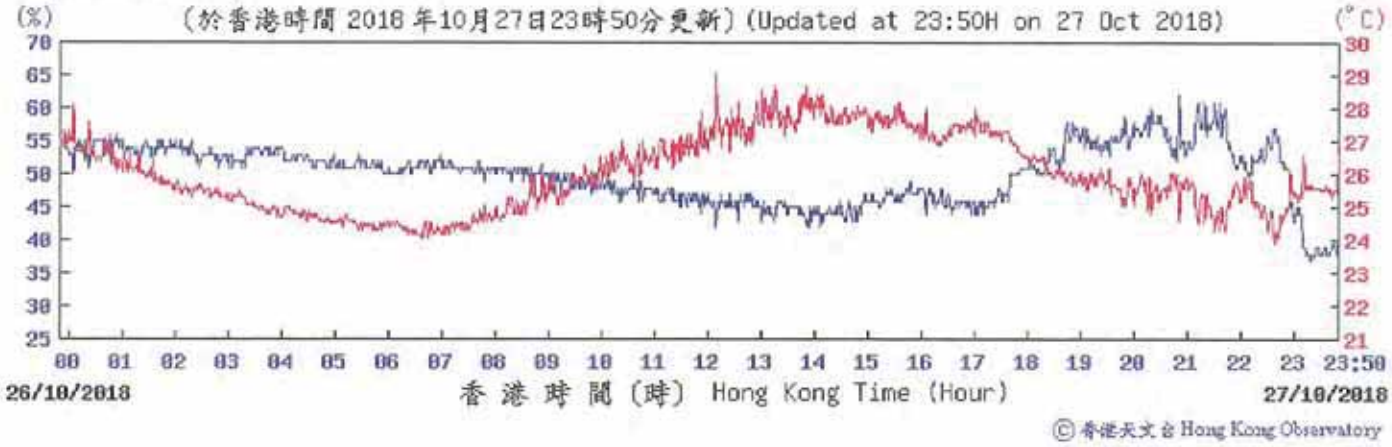
Location	Date	Time	Ambient Temperature (°C)	Relative Humidity (%)	Ambient Pressure (hPa)	Wind Speed (m/s)	Wind Direction (Degree)	Direction from Source[1]	Duration of Odour	On-Site Observation		Weather Condition
										Odour Nature	Possible Source	
CAPC Unit	26-10-18	10:35 -10:44	29.3	67.3	1016.5	0.9	293	NA	NA	No odour was smelled.	NA	Sunny

Note:
1. It was assumed that the exhaust of the CAPC Unit was from the odour source.

APPENDIX 2

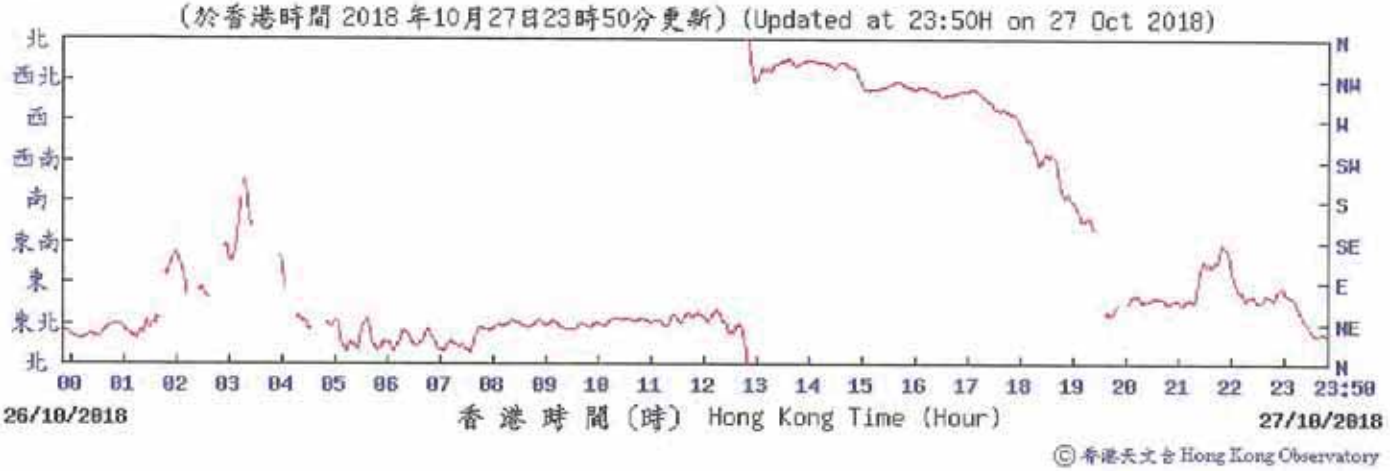
A2. EXTRACT OF METEOROLOGICAL OBSERVATIONS FROM THE HONG KONG AIRPORT OBSERVATORY STATION

Tempearture/Humidity:

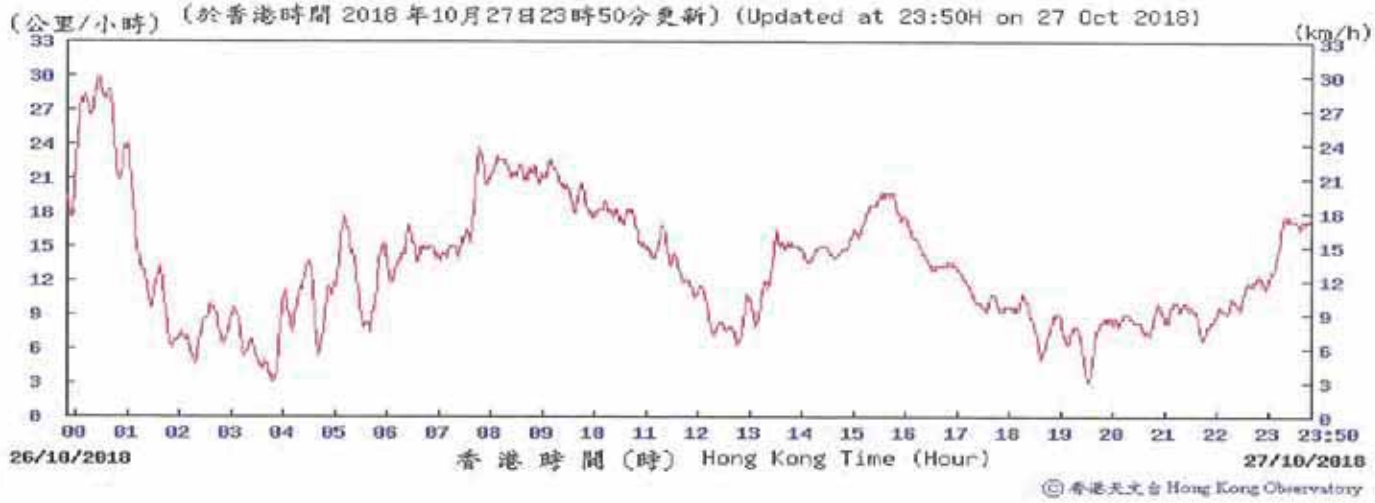


Pressure:

Wind Direction:



Wind Speed:



APPENDIX 3

A3. PHOTO OF THE SAMPLING LOCATION

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 Venture	WORK ORDER:	HK1857944
CONTACT:	Mr Edwin Wong		
ADDRESS:	No. 5, Sham Fung Road, Siu Ho Wan, North Lantau Island, NT, Hong Kong	LABORATORY:	Hong Kong
		SUB-BATCH:	0
		DATE RECEIVED:	1 November 2018
		DATE OF ISSUE:	9 November 2018
PROJECT:	Odour Monitoring for the Organic Resources Recovery Centre Phase 1 in Siu Ho Wan	SAMPLE TYPE:	Air
SITE:	Organic Resources Recovery Centre Phase 1 (ORRC1)	NO OF SAMPLES:	3
PO:	---		

COMMENTS

Air sample(s) were collected by ALS Technichem (HK) staff on 1st November, 2018 at the Organic Resources Recovery Centre Phase 1 (ORRC1) in Siu Ho Wan for Odour Monitoring.

The sample(s) were analysed and reported on an as received basis.

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.

Richard Fung
General Manager - Hong Kong

METHOD STATEMENT

A. Odour Concentration

1. Odour Sampling

Odour gas sample was collected by passive sampling technique. A Nalophan™ sampling bag was placed inside an air-tight sampler and then drawn to vacuum. Approximately 60 litre of gas sample was collected into the sampling bag for testing.

The odour sample was collected at the Organic Recovery Resources Centre Phase 1 (ORRC1) and sampling location was shown in Appendix A3.

2. Olfactometry Testing

Odour concentration was determined by a Forced-choice Dynamic Olfactometer in accordance with the European Standard Method (EN13725).

This European Standard specifies a method for the objective determination of the odour concentration of a gaseous sample using dynamic olfactometry with human assessors and the emission rate of odours emanating from point sources, area sources with outward flow and area sources without outward flow.

This European Standard is applicable to the measurement of odour concentration of pure substances, defined mixtures and undefined mixtures of gaseous odorants in air or nitrogen, using dynamic olfactometry with a panel of human assessors being the sensor.

The unit of measurement is the odour unit per cubic metre: OU_E/m^3. The odour concentration is measured by determining the dilution factor required to reach the detection threshold. The odour concentration at the detection threshold is by definition 1 OU_E/m^3. The odour concentration is then expressed in terms of multiples of the detection threshold. The range of measurement including pre-dilution prior to the olfactometry analysis is typically from 10^1 OU_E/m^3 to 10^7 OU_E/m^3.

Olfactometry Testing was performed by using the Scentroid™ SS600 Olfactometer. The testing was performed by at least five qualified panellists who have been selected through an n-butanol screening test.

All testing finished within 24 hours after sample receipt.

RESULT

1. Odour Concentration

Sample ID	Location	Sampling Date	Sampling Time	LOR (OU_E/Nm^3)	Odour Concentration (OU_E/Nm^3)	Characteristics of the odour detected of the gas sample	Volumetric Flow Rate (Nm^3/min)	Emission rate (OU_E/hr)
HK1857944-001	CAPC Unit	1-Nov-18	11:08 - 11:12	11	1283	Smell of Garbage	1746	134,000,000
HK1857944-002	CAPC Unit	1-Nov-18	11:13 - 11:16	11	1016	Smell of Garbage	1746	106,000,000
HK1857944-003	Field Blank	1-Nov-18	--	11	<11	--	--	--

Remark:
1. LOR denotes limit of reporting.
2. The collected sample volume of the gas bag is sufficient for olfactometry analysis.
3. Field Blank containing pure nitrogen gas was collected and filled by ALS staff.
4. The volumetric flow rate value for calculation of the emission rate was provided by the client.

APPENDIX 1

A1. SITE CONDITIONS AND OBSERVATION

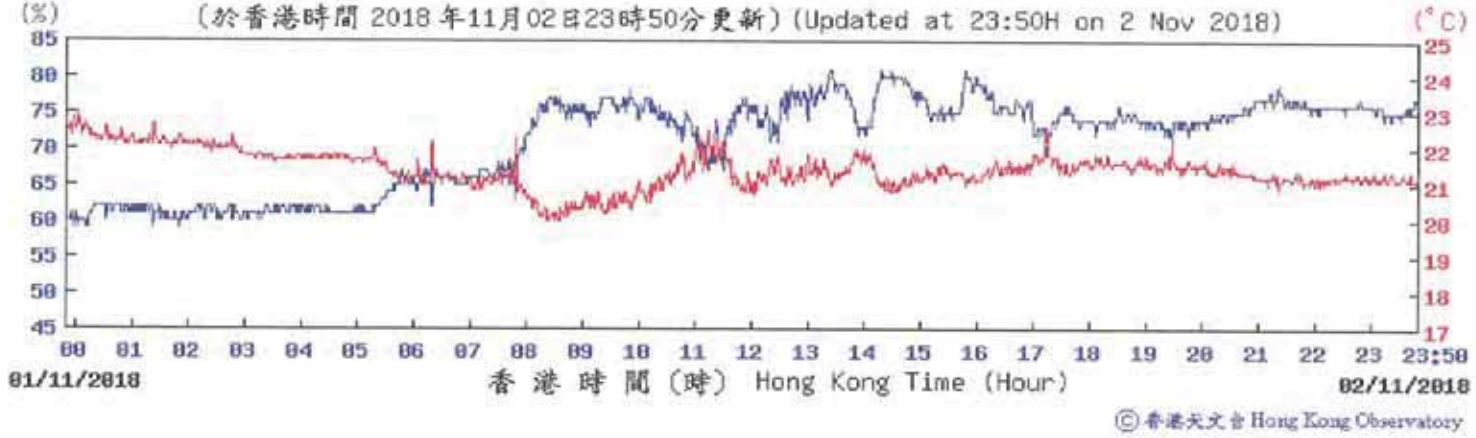
Location	Date	Time	Ambient Temperature (°C)	Relative Humidity (%)	Ambient Pressure (hPa)	Wind Speed (m/s)	Wind Direction (Degree)	Direction from Source[1]	Duration of Odour	On-Site Observation		Weather Condition
										Odour Nature	Possible Source	
CAPC Unit	1-11-18	11:08 -11:16	26.4	41.1	1011.1	2.8	313	NA	NA	No odour was smelled.	NA	Sunny

Note:
1. It was assumed that the exhaust of the CAPC Unit was from the odour source.

APPENDIX 2

A2. EXTRACT OF METEOROLOGICAL OBSERVATIONS FROM THE HONG KONG AIRPORT OBSERVATORY STATION

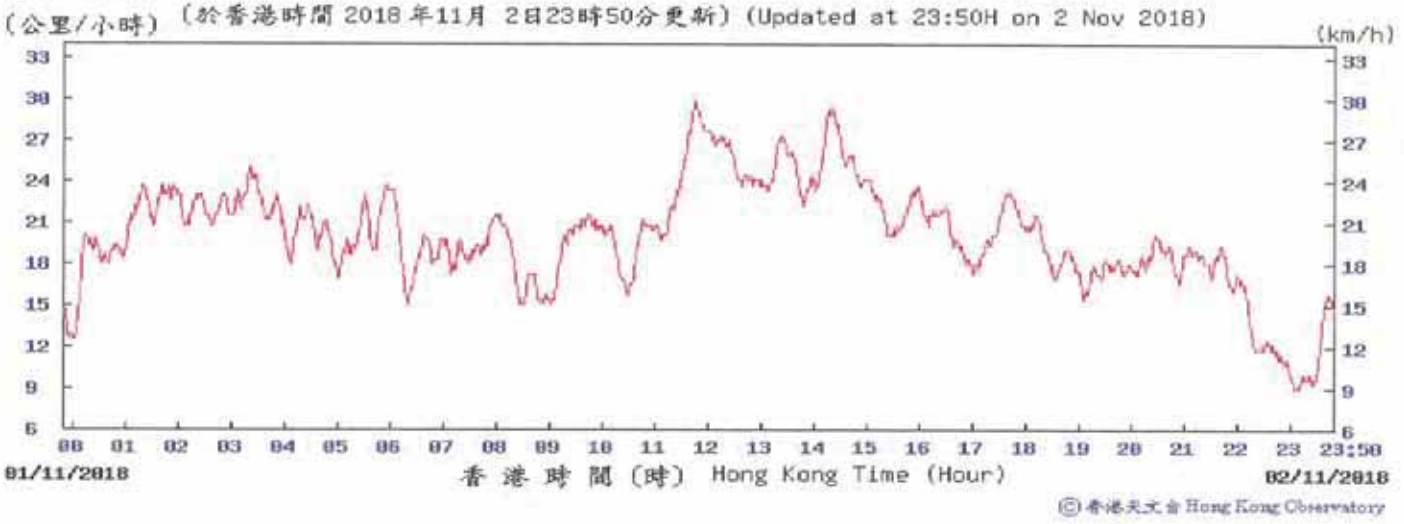
Tempearture/Humidity:



Pressure:

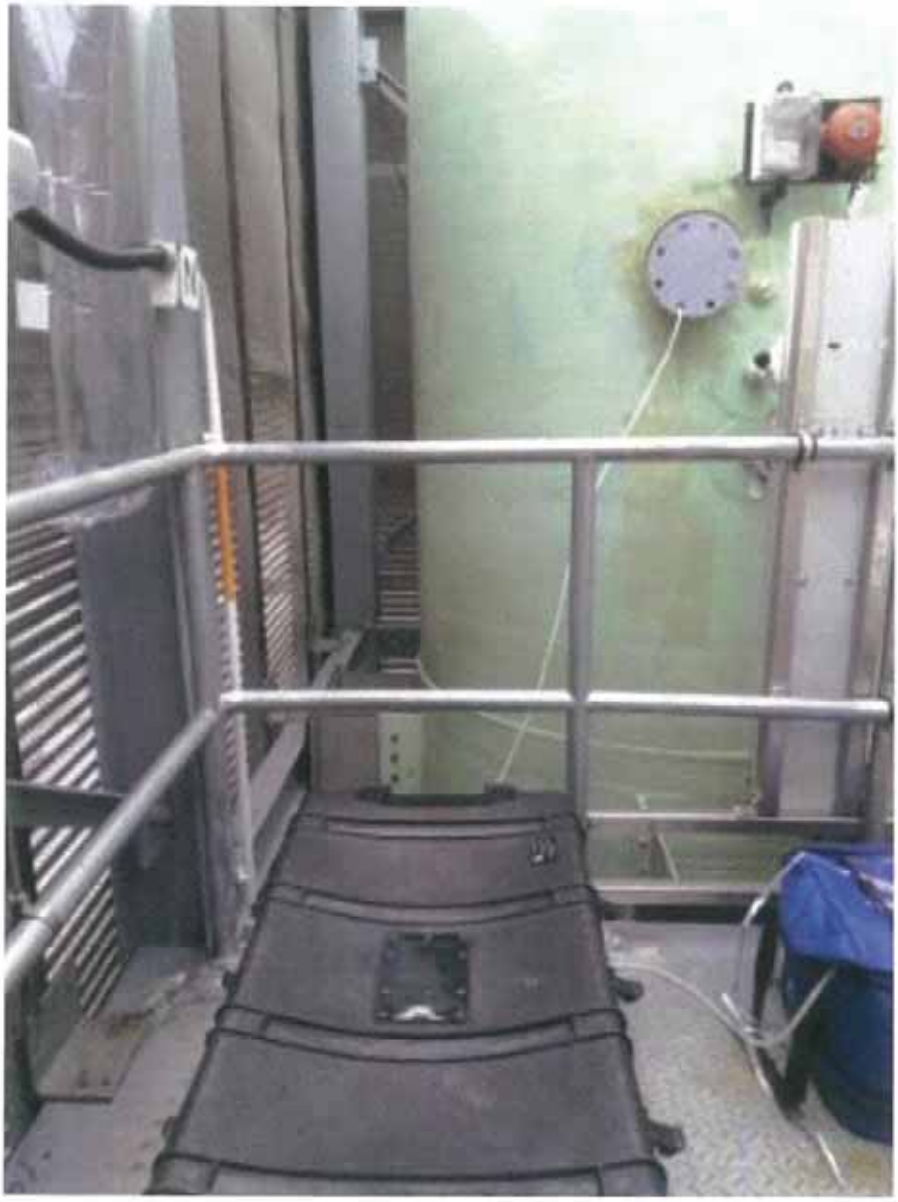
Wind Direction:

Wind Speed:



APPENDIX 3

A3. PHOTO OF THE SAMPLING LOCATION



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CERTIFICATE OF ANALYSIS

CLIENT:	Oscar Bioenergy Joint Venture	WORK ORDER:	HK1857945
CONTACT:	Mr Edwin Wong		
ADDRESS:	No. 5, Sham Fung Road, Siu Ho Wan, North Lantau Island, NT, Hong Kong	LABORATORY:	Hong Kong
		SUB-BATCH:	0
		DATE RECEIVED:	5 November 2018
		DATE OF ISSUE:	9 November 2018
PROJECT:	Odour Monitoring for the Organic Resources Recovery Centre Phase 1 in Siu Ho Wan	SAMPLE TYPE:	Air
SITE:	Organic Resources Recovery Centre Phase 1 (ORRC1)	NO OF SAMPLES:	5
PO:	---		

COMMENTS

Air sample(s) were collected by ALS Technichem (HK) staff on 5th November, 2018 at the Organic Resources Recovery Centre Phase 1 (ORRC1) in Siu Ho Wan for Odour Monitoring.

The sample(s) were analysed and reported on an as received basis.

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.

Richard Fung
General Manager - Hong Kong

METHOD STATEMENT

A. Odour Concentration
1. Odour Sampling

Odour gas sample was collected by passive sampling technique. A Nalophan™ sampling bag was placed inside an air-tight sampler and then drawn to vacuum. Approximately 60 litre of gas sample was collected into the sampling bag for testing.

The odour sample was collected at the Organic Recovery Resources Centre Phase 1 (ORRC1) and sampling location was shown in Appendix A3.

2. Olfactometry Testing

Odour concentration was determined by a Forced-choice Dynamic Olfactometer in accordance with the European Standard Method (EN13725).

This European Standard specifies a method for the objective determination of the odour concentration of a gaseous sample using dynamic olfactometry with human assessors and the emission rate of odours emanating from point sources, area sources with outward flow and area sources without outward flow.

This European Standard is applicable to the measurement of odour concentration of pure substances, defined mixtures and undefined mixtures of gaseous odorants in air or nitrogen, using dynamic olfactometry with a panel of human assessors being the sensor.

The unit of measurement is the odour unit per cubic metre: OU_E/m^3. The odour concentration is measured by determining the dilution factor required to reach the detection threshold. The odour concentration at the detection threshold is by definition 1 OU_E/m^3. The odour concentration is then expressed in terms of multiples of the detection threshold. The range of measurement including pre-dilution prior to the olfactometry analysis is typically from 10^1 OU_E/m^3 to 10^7 OU_E/m^3.

Olfactometry Testing was performed by using the Scentroid™ SS600 Olfactometer. The testing was performed by at least five qualified panellists who have been selected through an n-butanol screening test.

All testing finished within 24 hours after sample receipt.

RESULT

1. Odour Concentration

Sample ID	Location	Sampling Date	Sampling Time	LOR (OU_E/Nm^3)	Odour Concentration (OU_E/Nm^3)	Characteristics of the odour detected of the gas sample	Volumetric Flow Rate (Nm^3/min)	Emission rate (OU_E/hr)
HK1857945-001	CAPC Unit	5-Nov-18	11:11 - 11:14	11	1016	Smell of Garbage	1793.8	109,000,000
HK1857945-002	CAPC Unit	5-Nov-18	11:15 - 11:17	11	1016	Smell of Garbage	1793.8	109,000,000
HK1857945-003	CAPC Unit	5-Nov-18	11:31 - 11:35	11	1016	Smell of Garbage	2027.6	124,000,000
HK1857945-004	CAPC Unit	5-Nov-18	11:36 - 11:40	11	933	Smell of Garbage	2027.6	114,000,000
HK1857945-005	Field Blank	5-Nov-18	--	11	<11	--	--	--

Remark:
1. LOR denotes limit of reporting.
2. The collected sample volume of the gas bag is sufficient for olfactometry analysis.
3. Field Blank containing pure nitrogen gas was collected and filled by ALS staff.
4. The volumetric flow rate value for calculation of the emission rate was provided by the client.

APPENDIX 1

A1. SITE CONDITIONS AND OBSERVATION

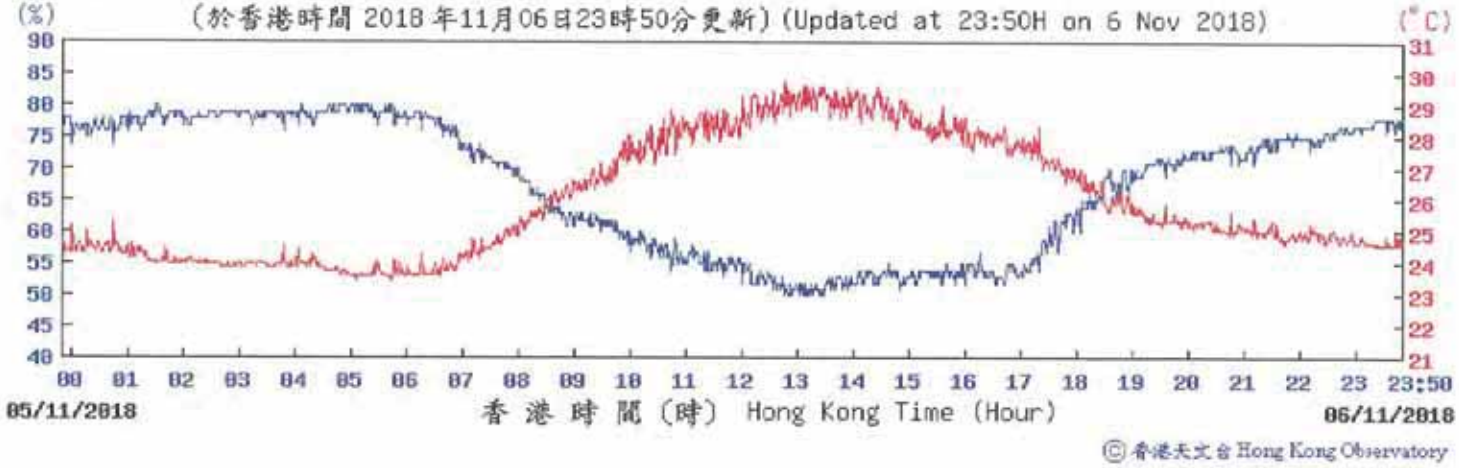
Location	Date	Time	Ambient Temperature (°C)	Relative Humidity (%)	Ambient Pressure (hPa)	Wind Speed (m/s)	Wind Direction (Degree)	Direction from Source[1]	Duration of Odour	On-Site Observation		Weather Condition
										Odour Nature	Possible Source	
CAPC Unit	5-11-18	11:11 - 11:40	25.5	67.3	1015.5	2.5	330	NA	NA	No odour was smelled.	NA	Cloudy

Note:
1. It was assumed that the exhaust of the CAPC Unit was from the odour source.

APPENDIX 2

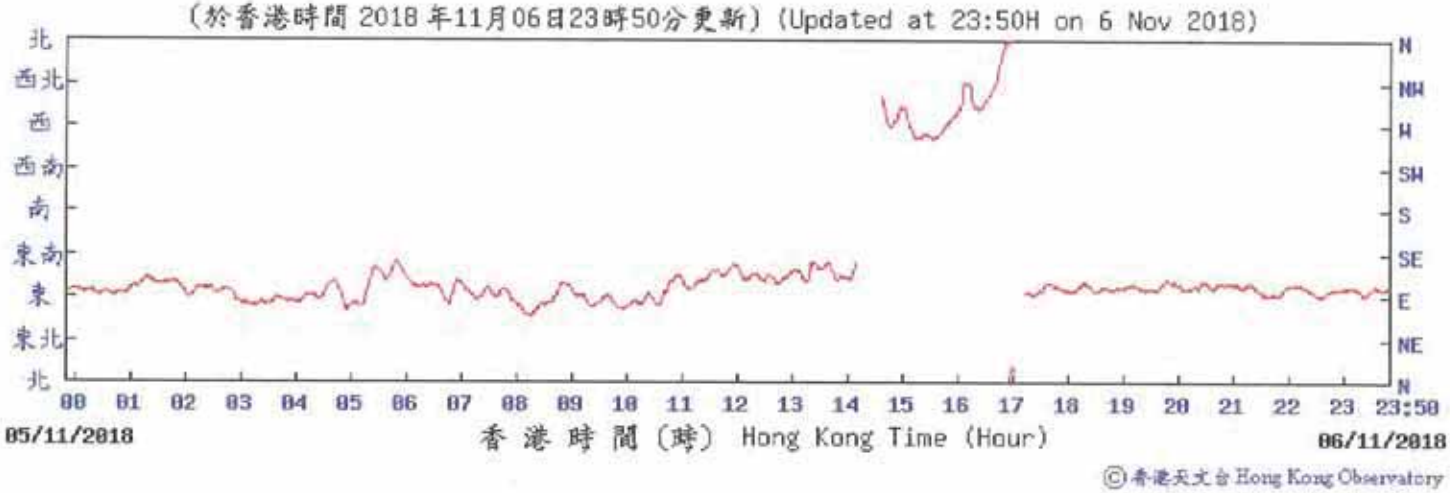
A2. EXTRACT OF METEOROLOGICAL OBSERVATIONS FROM THE HONG KONG AIRPORT OBSERVATORY STATION

Tempearture/Humidity:

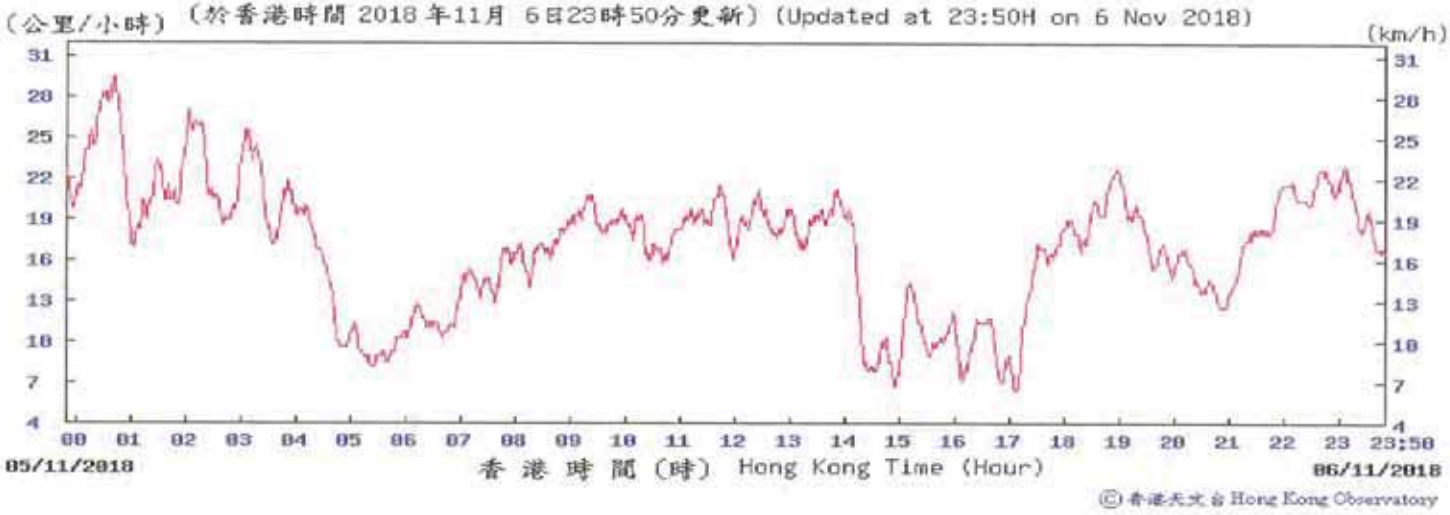


Pressure:

Wind Direction:



Wind Speed:



APPENDIX 3

A3. PHOTO OF THE SAMPLING LOCATION

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 Venture	WORK ORDER:	HK1861624
CONTACT:	Mr Edwin Wong		
ADDRESS:	No. 5, Sham Fung Road, Siu Ho Wan, North Lantau Island, NT, Hong Kong	LABORATORY:	Hong Kong
		SUB-BATCH:	0
		DATE RECEIVED:	23 November 2018
		DATE OF ISSUE:	26 November 2018
PROJECT:	Odour Monitoring for the Organic Resources Recovery Centre Phase 1 in Siu Ho Wan	SAMPLE TYPE:	Air
SITE:	Organic Resources Recovery Centre Phase 1 (ORRC1)	NO OF SAMPLES:	3
PO:	---		

COMMENTS

Air sample(s) were collected by ALS Technichem (HK) staff on 23rd November, 2018 at the Organic Resources Recovery Centre Phase 1 (ORRC1) in Siu Ho Wan for Odour Monitoring.

The sample(s) were analysed and reported on an as received basis.

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.

Richard Fung
General Manager - Hong Kong

METHOD STATEMENT

A. Odour Concentration
1. Odour Sampling

Odour gas sample was collected by passive sampling technique. A Nalophan™ sampling bag was placed inside an air-tight sampler and then drawn to vacuum. Approximately 60 litre of gas sample was collected into the sampling bag for testing.

The odour sample was collected at the Organic Recovery Resources Centre Phase 1 (ORRC1) and sampling location was shown in Appendix A3.

2. Olfactometry Testing

Odour concentration was determined by a Forced-choice Dynamic Olfactometer in accordance with the European Standard Method (EN13725).

This European Standard specifies a method for the objective determination of the odour concentration of a gaseous sample using dynamic olfactometry with human assessors and the emission rate of odours emanating from point sources, area sources with outward flow and area sources without outward flow.

This European Standard is applicable to the measurement of odour concentration of pure substances, defined mixtures and undefined mixtures of gaseous odorants in air or nitrogen, using dynamic olfactometry with a panel of human assessors being the sensor.

The unit of measurement is the odour unit per cubic metre: OU_E/m^3. The odour concentration is measured by determining the dilution factor required to reach the detection threshold. The odour concentration at the detection threshold is by definition 1 OU_E/m^3. The odour concentration is then expressed in terms of multiples of the detection threshold. The range of measurement including pre-dilution prior to the olfactometry analysis is typically from 10^1 OU_E/m^3 to 10^7 OU_E/m^3.

Olfactometry Testing was performed by using the Scentroid™ SS600 Olfactometer. The testing was performed by at least five qualified panellists who have been selected through an n-butanol screening test.

All testing finished within 24 hours after sample receipt.

RESULT

1. Odour Concentration

Sample ID	Location	Sampling Date	Sampling Time	LOR (OU_E/Nm^3)	Odour Concentration (OU_E/Nm^3)	Characteristics of the odour detected of the gas sample	Volumetric Flow Rate (Nm^3/min)	Emission rate (OU_E/hr)
HK1861624-001	CAPC Unit	23-Nov-18	11:08 - 11:13	11	134	Smell of garbage and bleach	1075.5	8,650,000
HK1861624-002	CAPC Unit	23-Nov-18	11:14 - 11:19	11	144	Smell of garbage and bleach	1075.5	9,290,000
HK1861624-003	Field Blank	23-Nov-18	--	11	<11	--	--	--

Remark:
1. LOR denotes limit of reporting.
2. The collected sample volume of the gas bag is sufficient for olfactometry analysis.
3. Field Blank containing pure nitrogen gas was collected and filled by ALS staff.
4. The volumetric flow rate value for calculation of the emission rate was provided by the client.

APPENDIX 1

A1. SITE CONDITIONS AND OBSERVATION

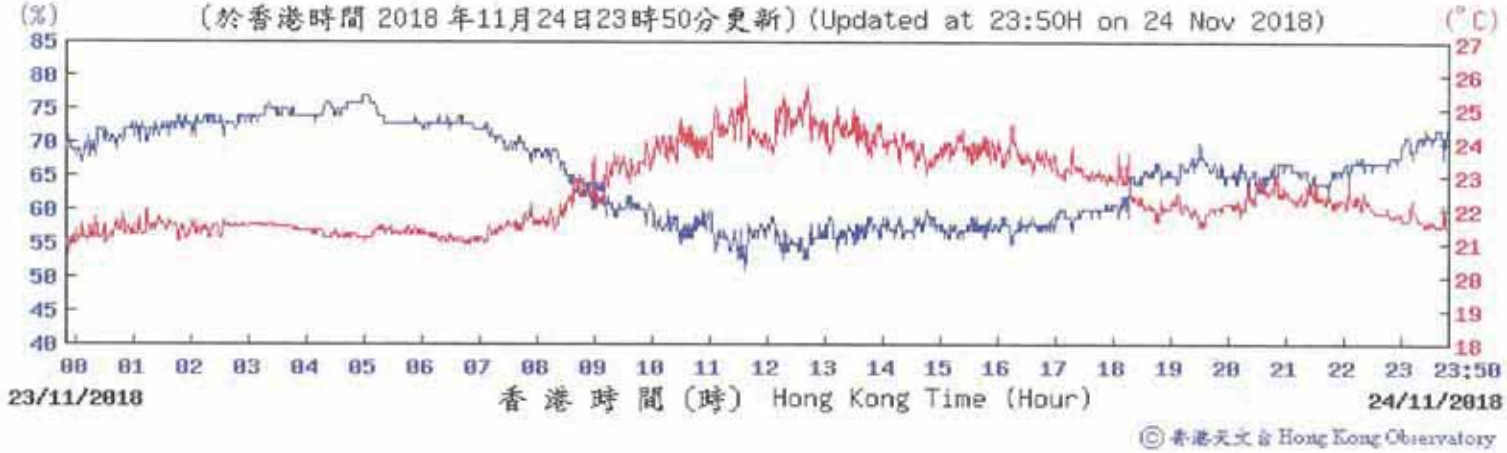
Location	Date	Time	Ambient Temperature (°C)	Relative Humidity (%)	Ambient Pressure (hPa)	Wind Speed (m/s)	Wind Direction (Degree)	Direction from Source[1]	Duration of Odour	On-Site Observation		Weather Condition
										Odour Nature	Possible Source	
CAPC Unit	23-11-18	11:08 - 11:19	20.9	63.8	1021.1	1.0	316	NA	NA	No odour was smelled.	NA	Sunny

Note:
1. It was assumed that the exhaust of the CAPC Unit was from the odour source.

APPENDIX 2

A2. EXTRACT OF METEOROLOGICAL OBSERVATIONS FROM THE HONG KONG AIRPORT OBSERVATORY STATION

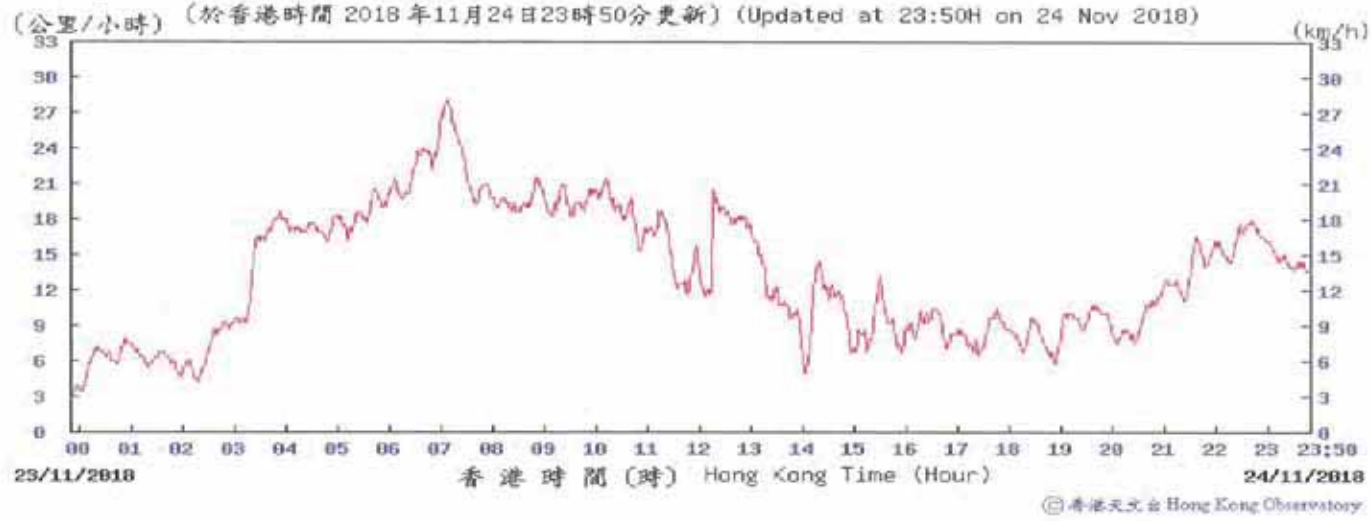
Tempearture/Humidity:



Pressure:

Wind Direction:

Wind Speed:



APPENDIX 3

A3. PHOTO OF THE SAMPLING LOCATION

Annex H4

Action and Limit Levels for Odour Nuisance

Odour Intensity Level

Level	Odour Intensity
0	Not detected. No odour perceived or an odour so weak that it cannot be easily
1	Slight identifiable odour, and slight chance to have odour
2	Moderate identifiable odour, and moderate chance to have odour
3	Strong identifiable, likely to have odour nuisance
4	Extreme severe odour, and unacceptable odour level

Action and Limit Levels for Odour Nuisance

Parameter	Action Level	Limit Level
Odour Nuisance (from odour patrol)	When one documented compliant is received(1), or Odour Intensity of 2 is measured from odour patrol.	Two or more documented complaints are received(1) within a week; or Odour intensity of 3 or above is measured from odour patrol.

Note:

(1) Once the compliant is received by the Project Proponent (EPD), the Project Proponent would investigate and verify the complaint whether it is related to the potential odour emission from the OWTF and its on-site wastewater treatment unit.

Event and Action Plan for Odour Monitoring

EVENT	ACTION	
	Person-in-charge of Odour	**Project Proponent**[1]
ACTION LEVEL		
Exceedance of action level (Odour Patrol)	1. Identify source/reason of exceedance; 2. Repeat odour patrol to confirm finding.	1. Carry out investigation to identify the source/reason of exceedance. Investigation should be completed within 2 weeks; 2. Rectify any unacceptable practice; 3. Implement more mitigation measures if necessary; 4. Inform DSD or the operator of the Siu Ho Wan Sewage Treatment Works (SHWSTW) if exceedance is considered to be caused by the operation of the SHWSTW. 5. Inform North Lantau Refuse Transfer Station (NLTS) operator if exceedance is considered to be caused by the operation of NLTS.

EVENT	ACTION	
	Person-in-charge of Odour	**Project Proponent**[(1)]
Exceedance of action level (Odour Complaints)	1. Identify source/reason of exceedance; 2. Carry out odour patrol to determinate odour intensity.	1. Carry out investigation and verify the complaint whether it is related to potential odour emission from the nearby SHWSTW; 2. Carry out investigation to identify the source/reason of exceedance. Investigation should be completed within 2 weeks; 3. Rectify any unacceptable practice; 4. Implement more mitigation measures if necessary; 5. Inform DSD or the operator of the SHWSTW if exceedance is considered to be caused by the operation of the SHWSTW.

EVENT	ACTION	
	Person-in-charge of Odour	**Project Proponent**(1)
LIMIT LEVEL		
Exceedance of Limit level	1. Identify source/reason of exceedance; 2. Inform EPD; 3. Repeat odour patrol to confirm findings; 4. Increase odour patrol frequency to bi-weekly; 5. Assess effectiveness of remedial action and keep EPD informed of the results; 6. If exceedance stops, cease additional odour patrol.	1. Carry out investigation to identify the source/reason of exceedance. Investigation should be completed within 2 week; 2. Rectify any unacceptable practice; 3. Formulate remedial actions; 4. Ensure remedial actions properly implemented; 5. If exceedance continues, consider what more/enhanced mitigation measures should be implemented;

Note: (1) Project Proponent shall identify an implementation agent