Annex H

Odour Monitoring Result

Annex H1

Odour Patrol Result

Patrol route and monitoring locations

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 16:30
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 Choi	Patrick Yim		Sarah Ho
Signature			N/A	Sarah
Date	3/9/2018	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) / 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	
Possible 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 Choi	Patrick Yim		Sarah Ho
Signature	[signature]	[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	5/9/2018
Start & End Time (24hr)	From 14:00 To 14:27
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	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	~~Leo~~ ~~91~~
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 louver 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	Grace
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 Yu		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 / Ac 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 Riogas 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	Intermitend smell of digestate.
Possible Source of Odour	Door at 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	
Louver near centrign Bld 2, digestate smell.	

	EPD Representative	Employer Representative	Independent Odour Patrol Team	OSCAR Bioenergy JV
Name	FIONA LAM	[illegible]		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	7/9/2018
Start & End Time (24hr)	From To 15:30
Type of Patrol	~~Weekly / Monthly / Ac 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 sson
Possible Source of Odour	Bld I 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 Yim		Terence CHAM
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 Yim	Pan Yuen / Allen Poon	Sarah HO
Signature				Sarah
Date	10/9/2018	10/9/18	10/9/2018	10/9/2018

Odour Patrol Survey

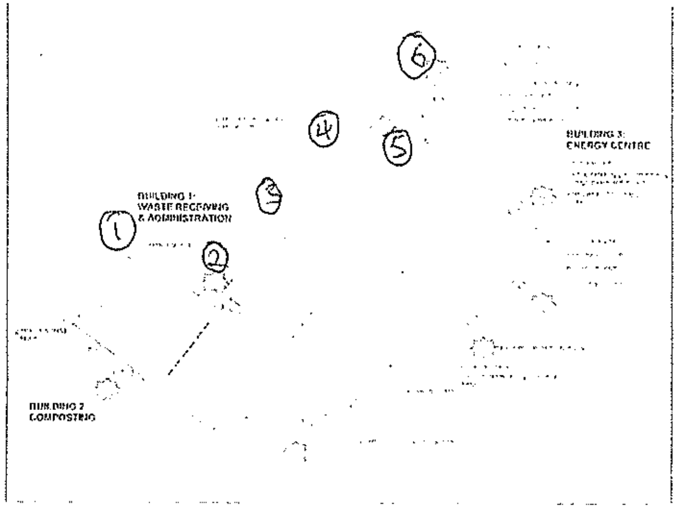
Date: 10-9-18

Weather: Sunny / Fine / Cloudy / Rainy (Cloudy circled)

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 (1 circled) P2: 0 / 1 / 2 / 3 / 4 (1 circled)	Grassy	Grass & tree	Intermittent / Continuous (Intermittent circled)	Downwind / Upwind / Sidewind (Downwind circled)
2		16:19	29.2	77.4	0.9	324	P1: 0 / 1 / 2 / 3 / 4 (0 circled) P2: 0 / 1 / 2 / 3 / 4 (0 circled)			Intermittent / Continuous	Downwind / Upwind / Sidewind
3		16:22	28.9	77.4	0	NA	P1: 0 / 1 / 2 / 3 / 4 (0 circled) P2: 0 / 1 / 2 / 3 / 4 (1 circled)	Grassy	Grass & tree	Intermittent / Continuous (Intermittent circled)	Downwind / Upwind / Sidewind
4		16:25	28.9	75.4	1.1	253	P1: 0 / 1 / 2 / 3 / 4 (1 circled) P2: 0 / 1 / 2 / 3 / 4 (1 circled)	concrete & refuse	Waste container, construction waste	Intermittent / Continuous	Downwind / Upwind / Sidewind (Downwind circled)
5		16:30	28.9	81.6	0	NA	P1: 0 / 1 / 2 / 3 / 4 (1 circled) P2: 0 / 1 / 2 / 3 / 4 (1 circled)	Musty of Construction Material		Intermittent / Continuous (Intermittent circled)	Downwind / Upwind / Sidewind
6		16:36	29.1	76.8	0	NA	P1: 0 / 1 / 2 / 3 / 4 (0 circled) P2: 0 / 1 / 2 / 3 / 4 (0 circled)			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	(signatures) ( )

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 / 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	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 [illegible]		Sarah HO
Signature	FIONA	[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	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 Yun		Sarah Ho
Signature	Fiona	[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 Yan		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	[signature]		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	Patrick 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	Dance 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 Yum		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 Yin		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 / 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	SSOW smell
Possible Source of Odour	Pre-treatment skip area (damaged 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 Chan	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 14:57
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	Hot Plastic 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	
Possible 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	Patricia Yam		Sarah HO
Signature	Fiona		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 / 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	
Possible 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	[signature]	[signature]	NA	[signature]
Date	24/9/2018	24/9/18		24/9/2018

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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	R	NA	Sarah
Date	26/9/2018	26/9/18		26/9/2018

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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) / 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	Rubbish smell
Possible Source of Odour	Near to Pre-treatment 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 Jim		Sarah Ho
Signature	[signature]	[signature]	NA	[signature]
Date	26/9/2018	26/9/18.		26/9/2018

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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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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 Tsz Kin	Sarah Ho
Signature	[signature]	[signature]	[signature] [signature]	Sarah
Date	28/9/2018	28/9/18	28/9/18	28/9/2018

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OSCAR Bioenergy Joint Venture

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 Evening
Type of Patrol	Weekly / (Monthly) / Ac hoc / Follow-up /
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	[illegible]油
Possible 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	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 kin	Terence CHAN
Signature	(signed)	(signed)	(signed) (signed)	(signed)
Date	28/9/2018	28/9/18	28/9/18	28/9/2018

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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 Evening
Type of Patrol	Weekly / Monthly / Ac hoc / Follow-up /
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	

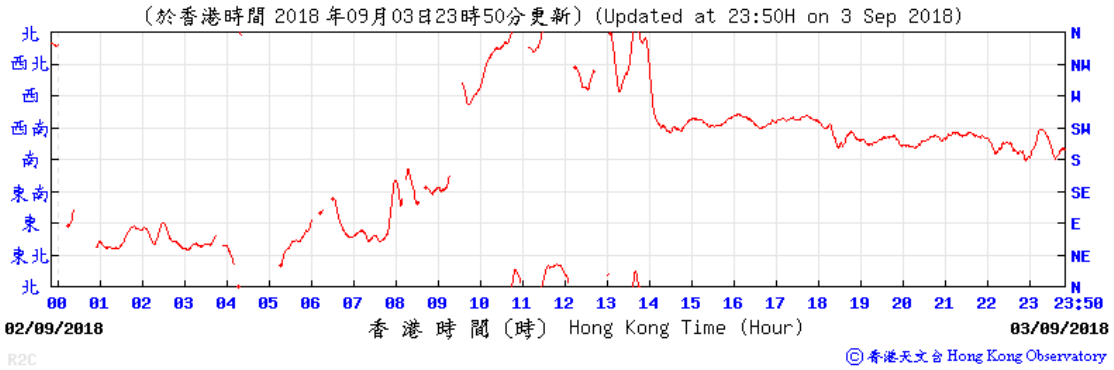
This is a copy record only and shall refer to ALS Report.

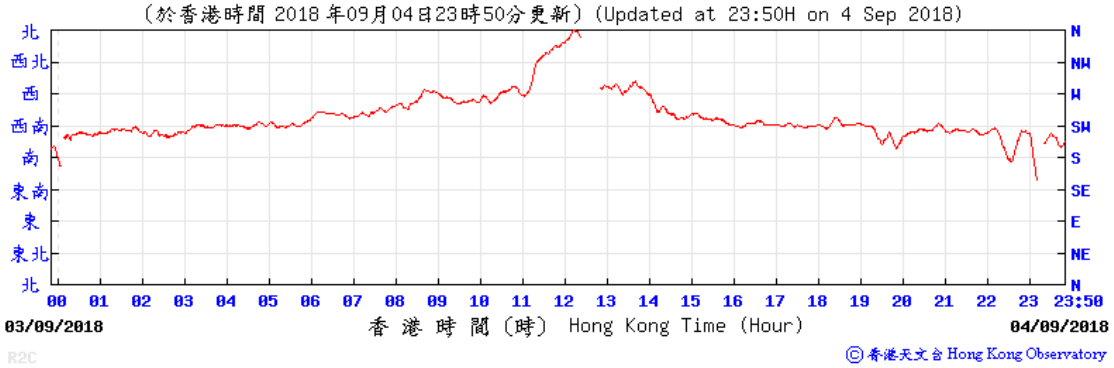
	EPD Representative	Employer Representative	Independent Odour Patrol Team	OSCAR Bioenergy JV
Name	FIONA LAM	Patrick Gim	Edwin Wong / Ho Tsz-lok	Terence CHAN
Signature	[signature]	[signature]	[signature]	[signature]
Date	28/9/2018	28/9/18	28/9/18	28/9/2018

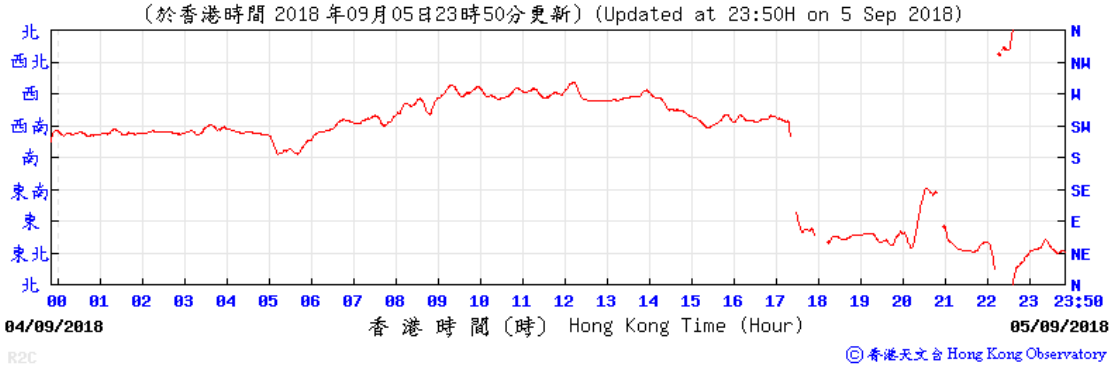
Annex H2

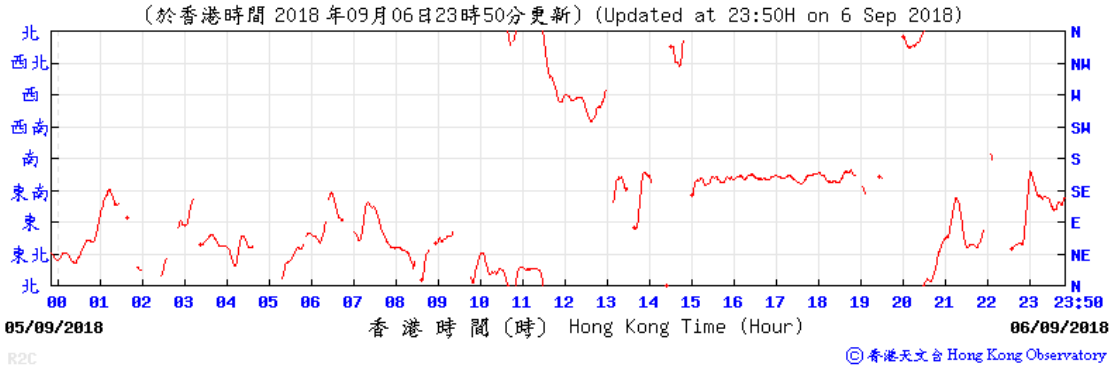
Local Wind Direction and Wind Speed

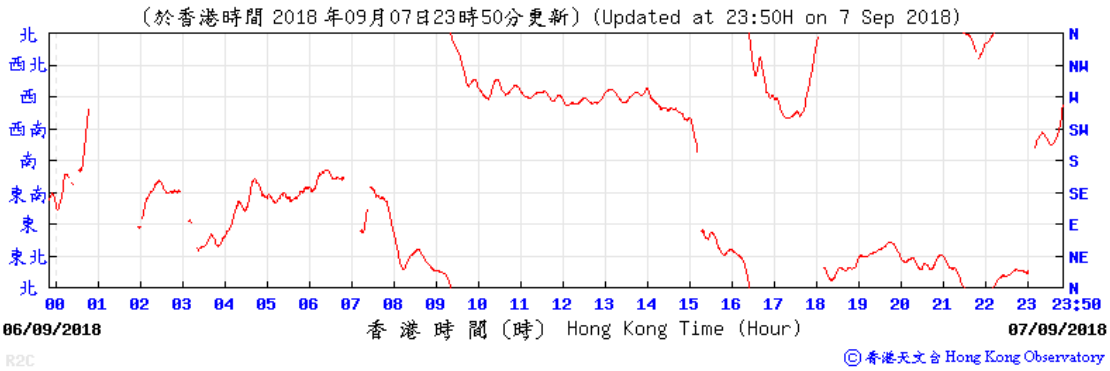
Wind Direction







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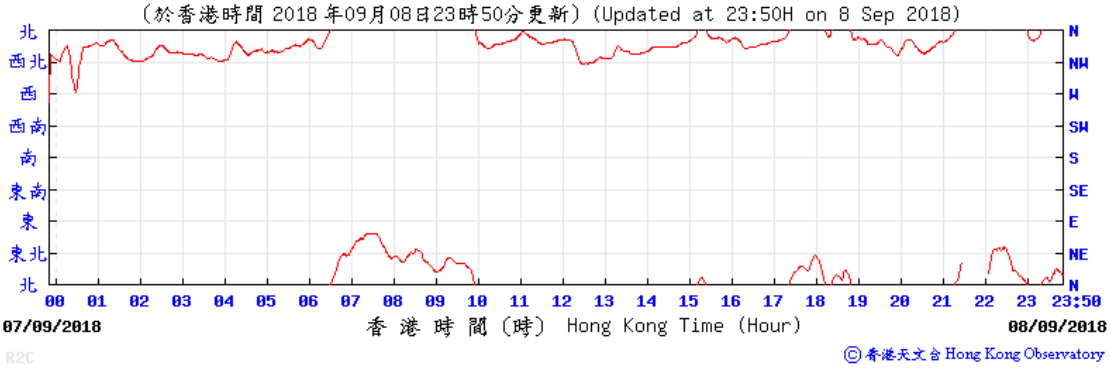
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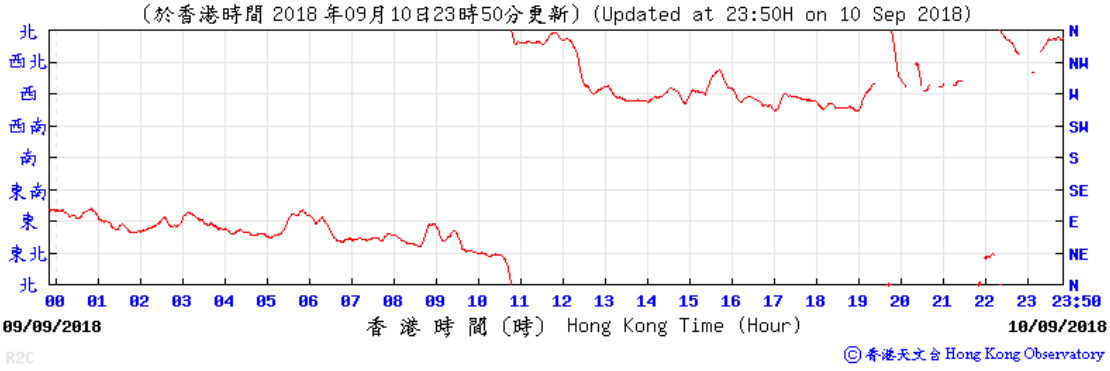
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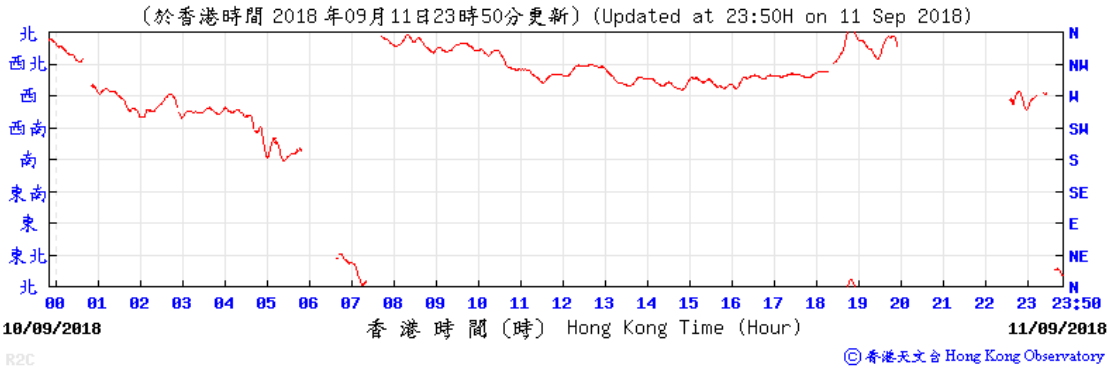
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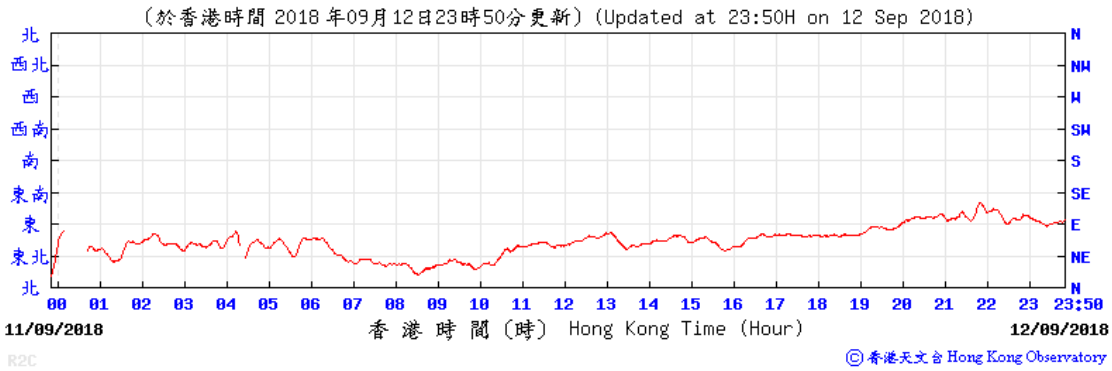
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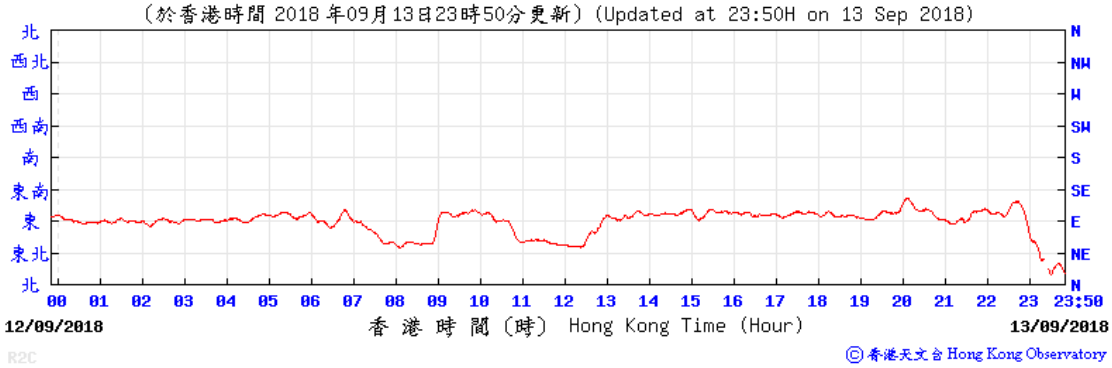
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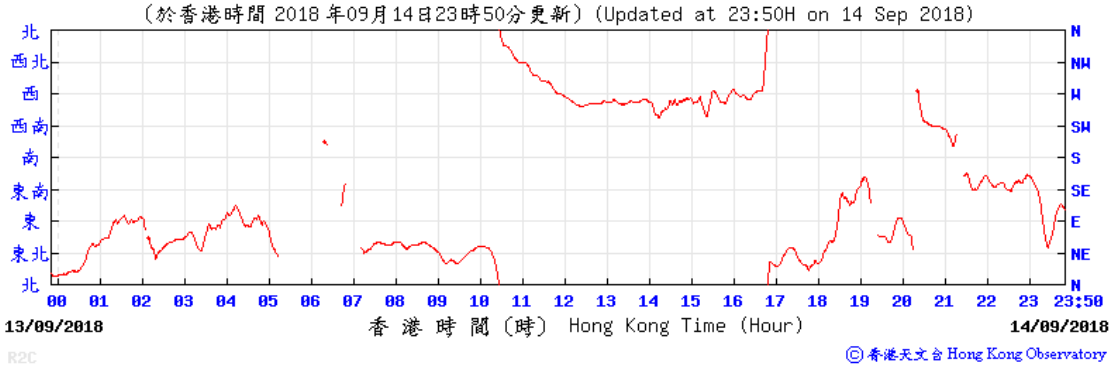
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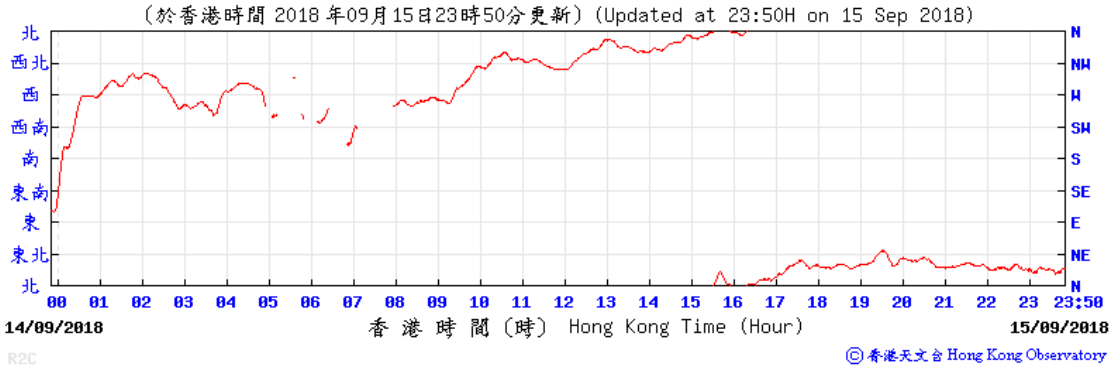
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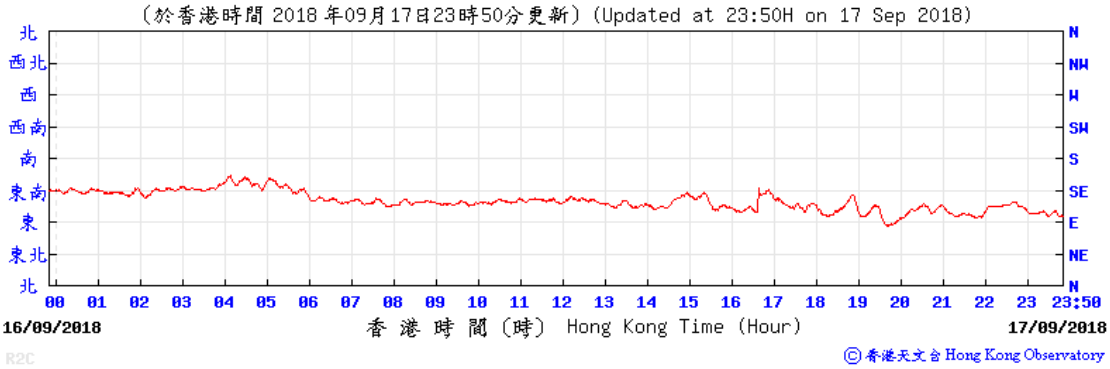
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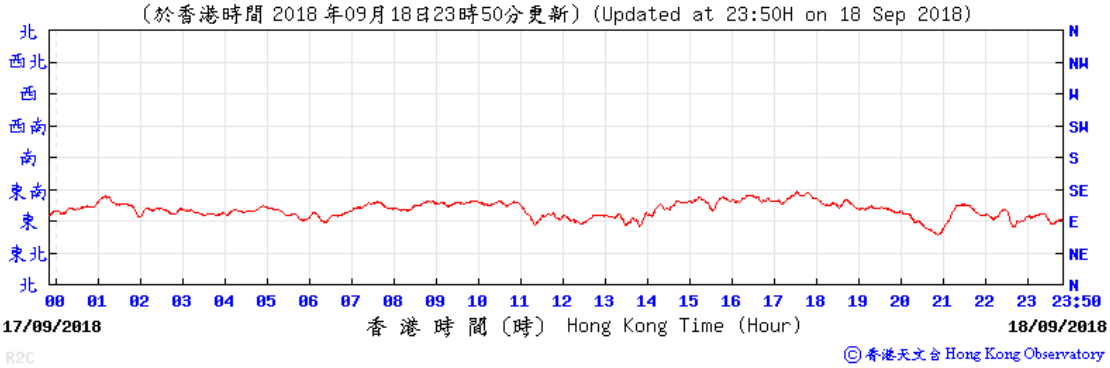
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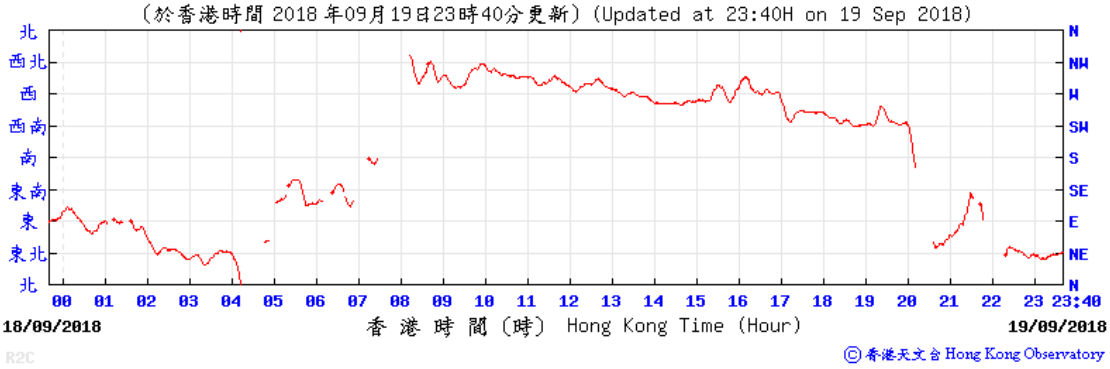
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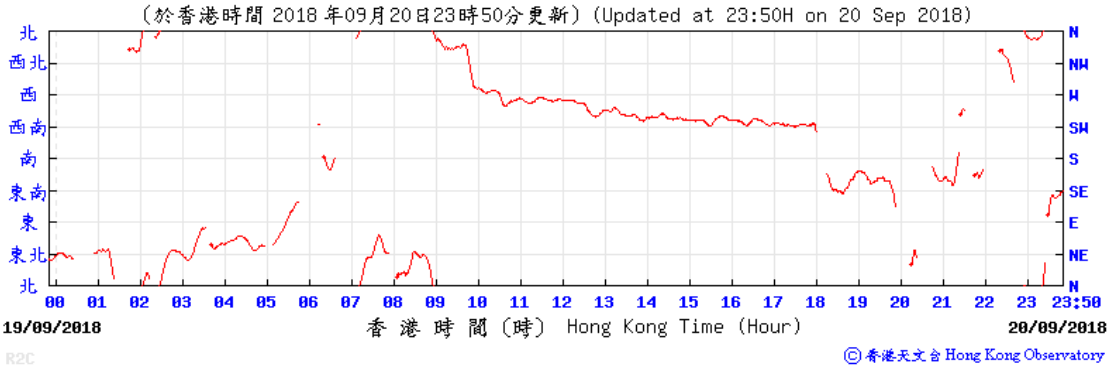
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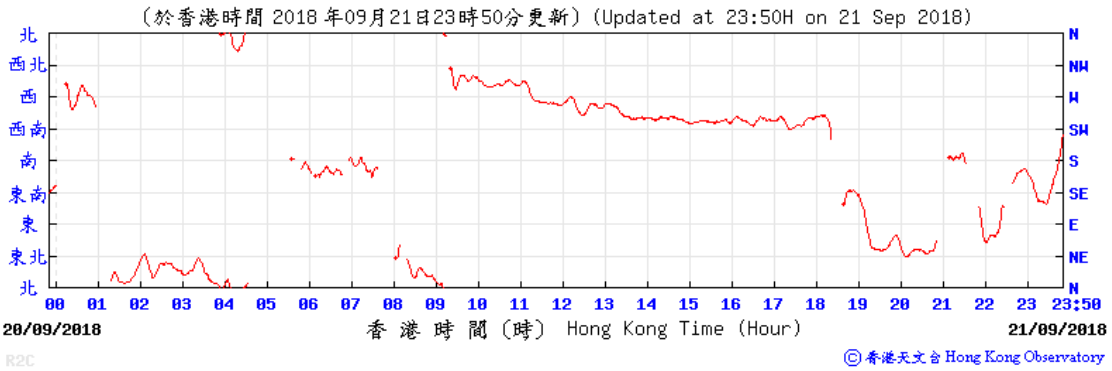
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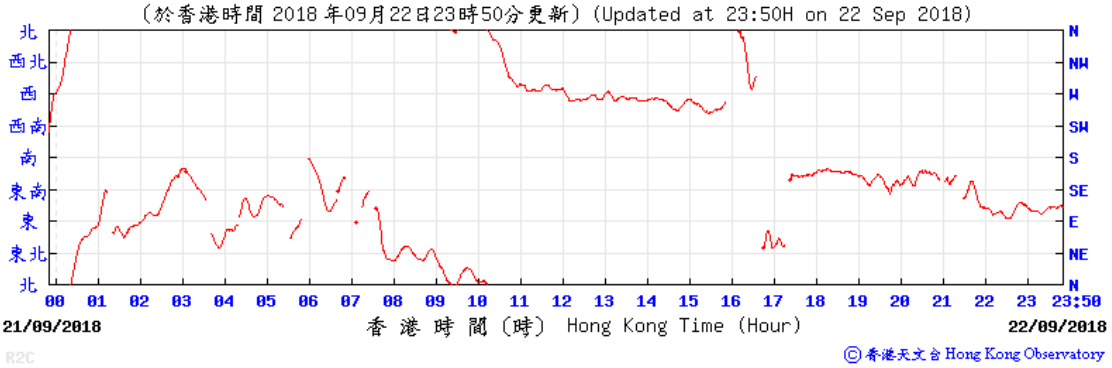
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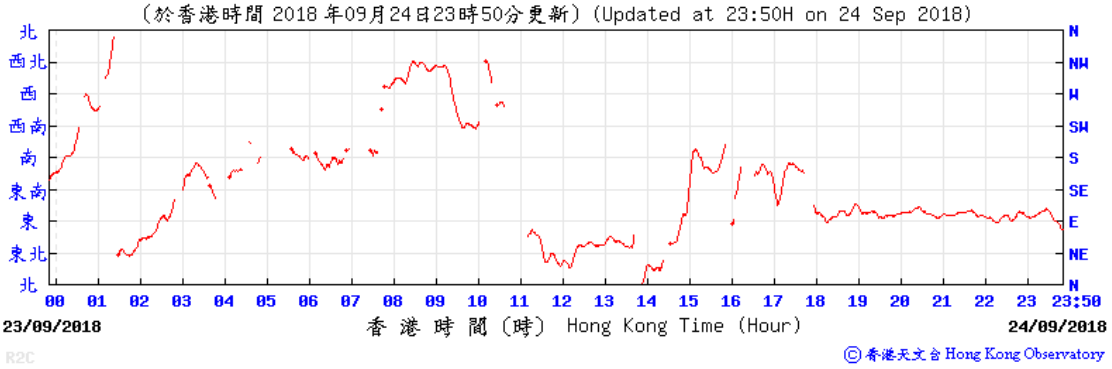
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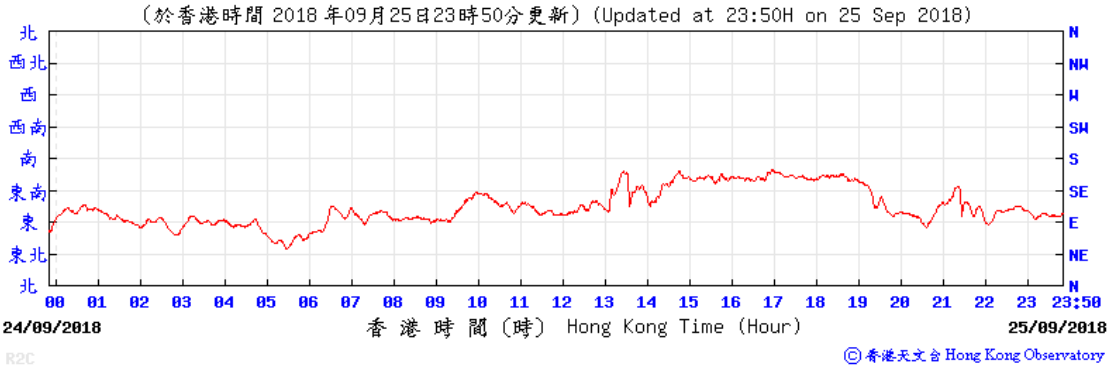
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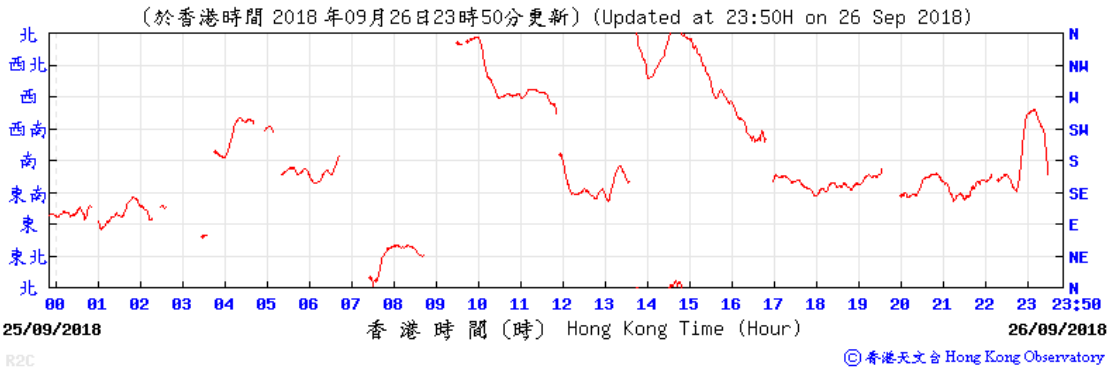
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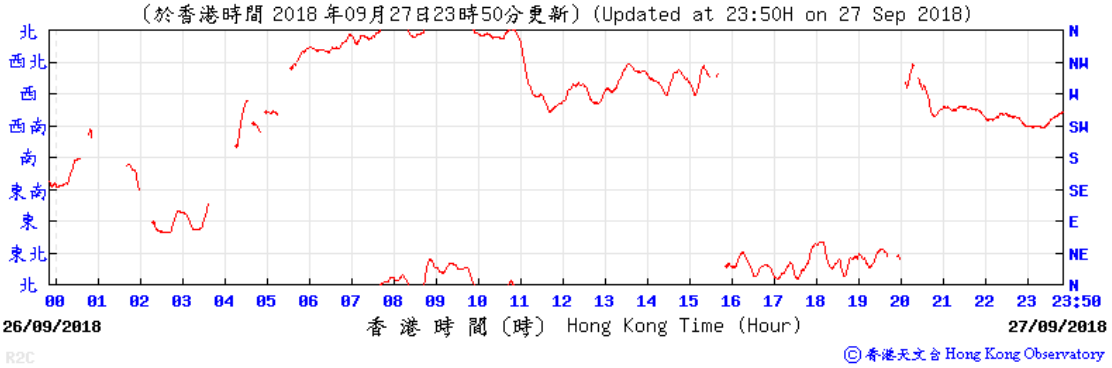
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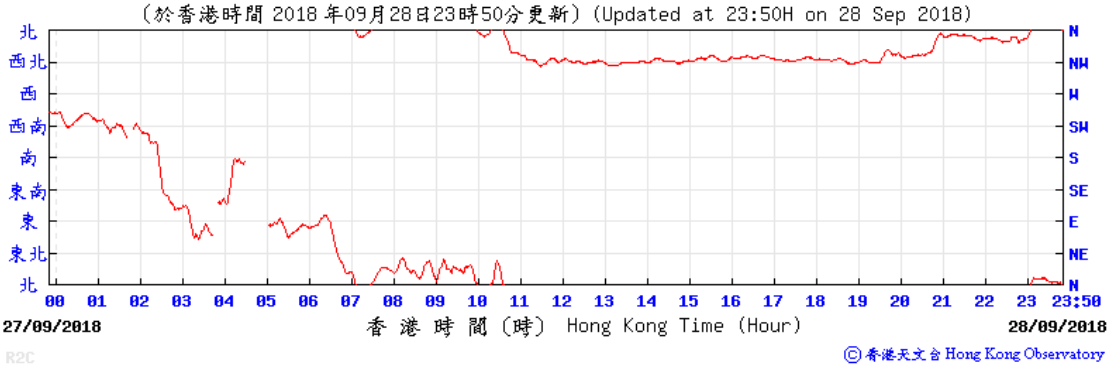
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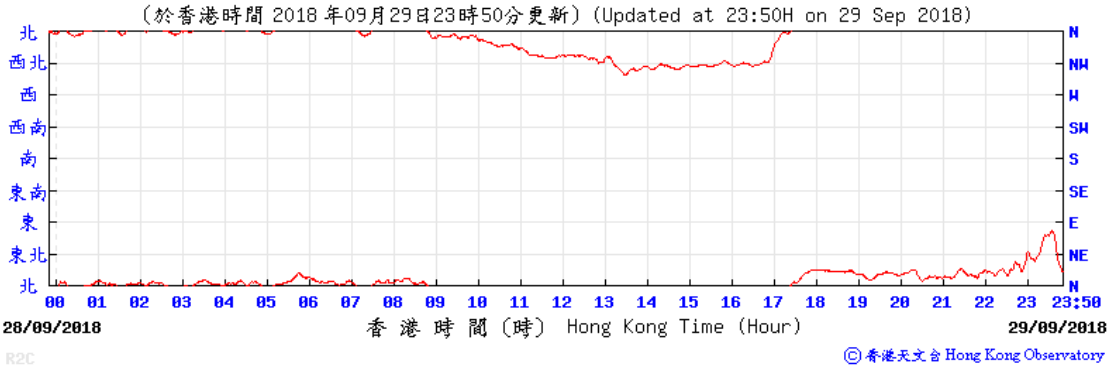
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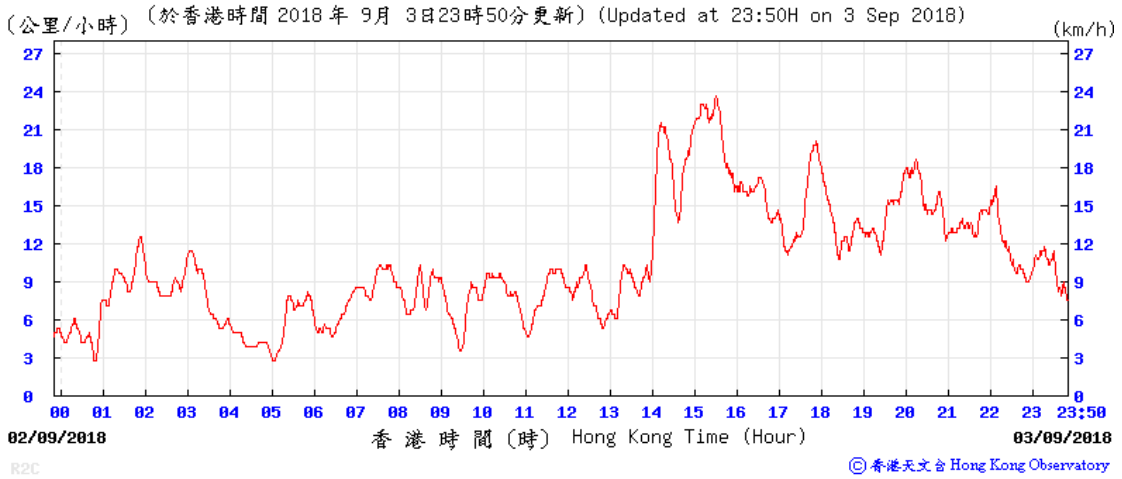
Wind Speed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香 港 時 間 (時) Hong Kong Time (Hour)
03/09/2018
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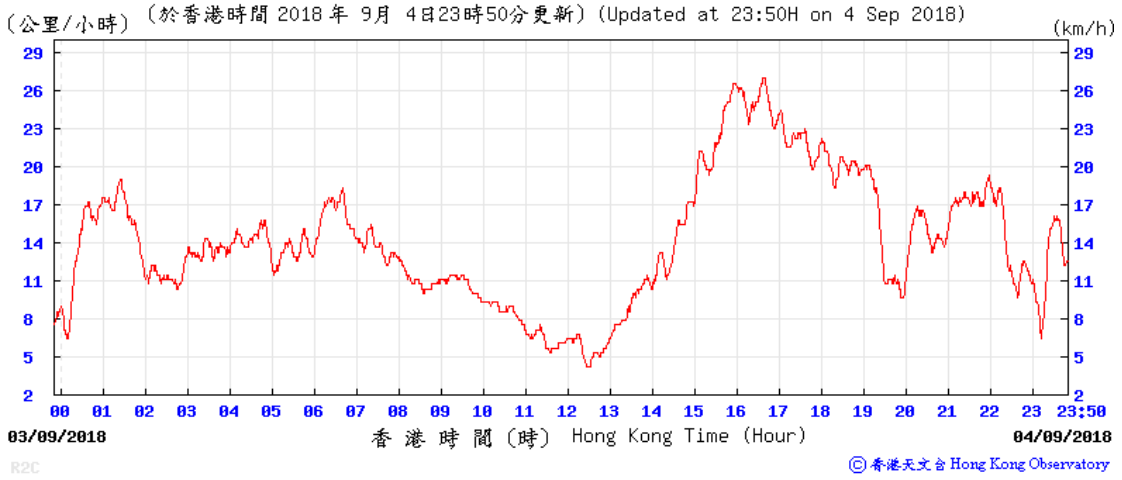
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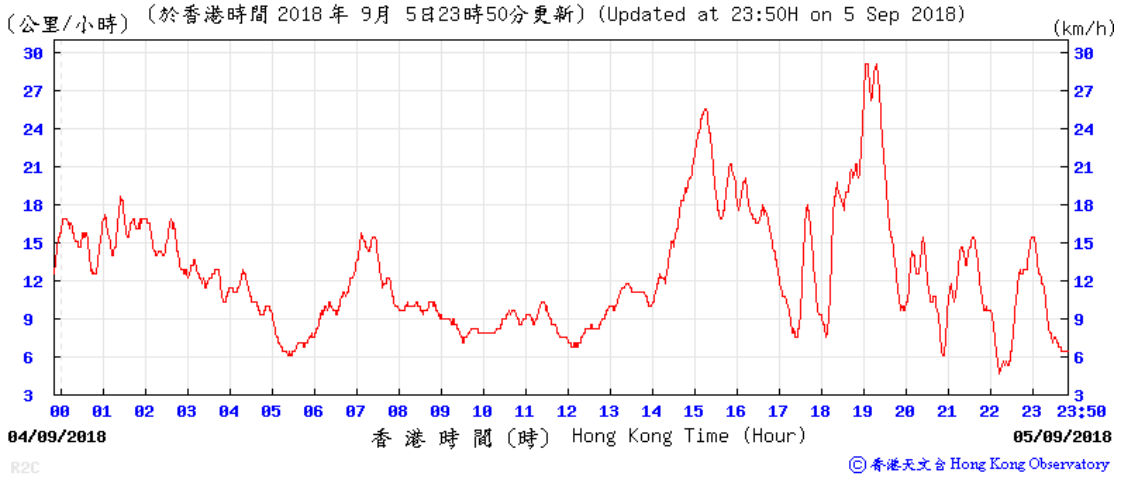
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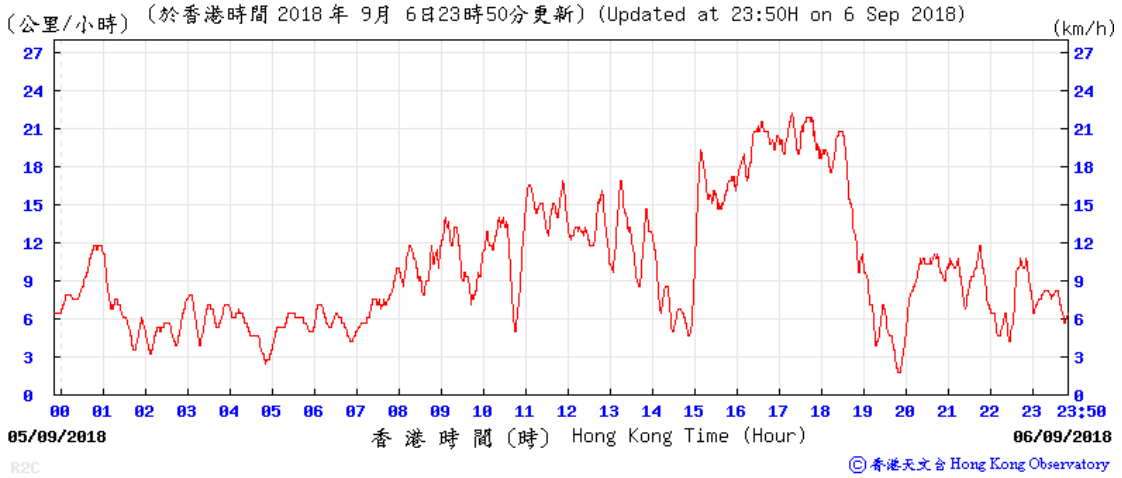
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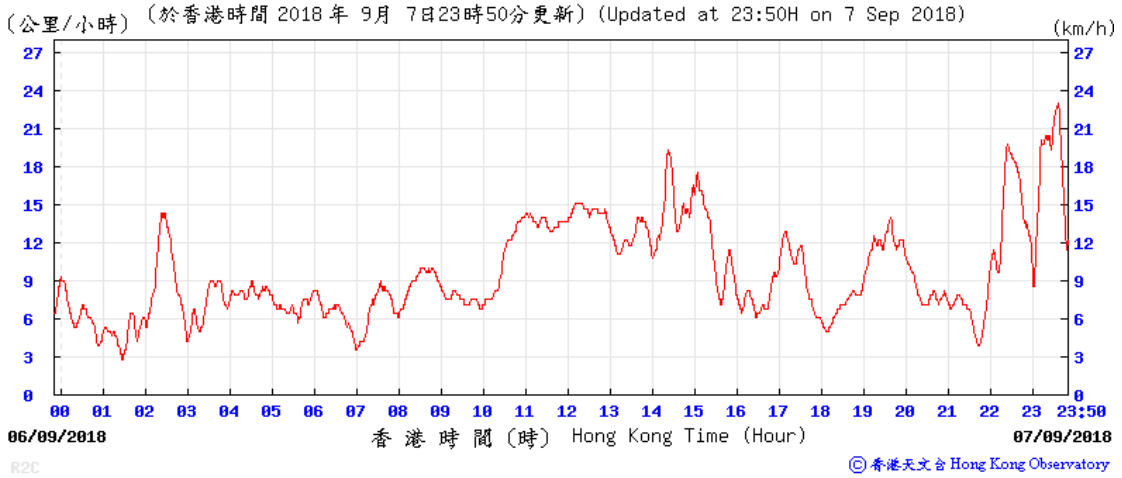
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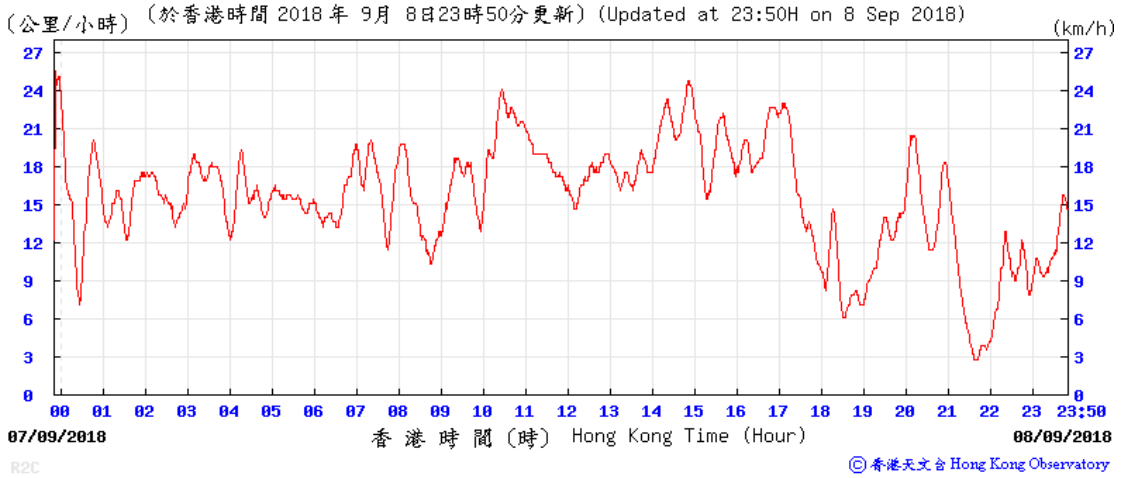
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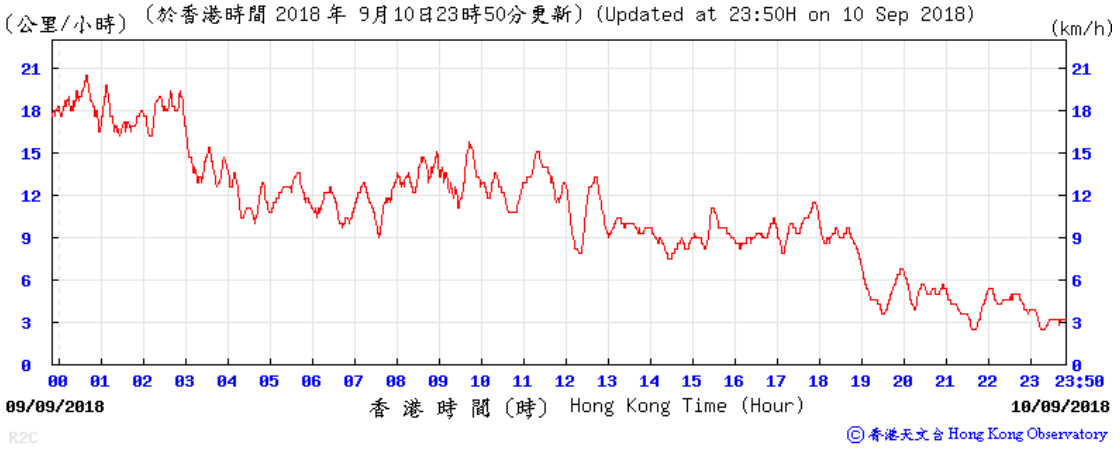
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10/09/2018
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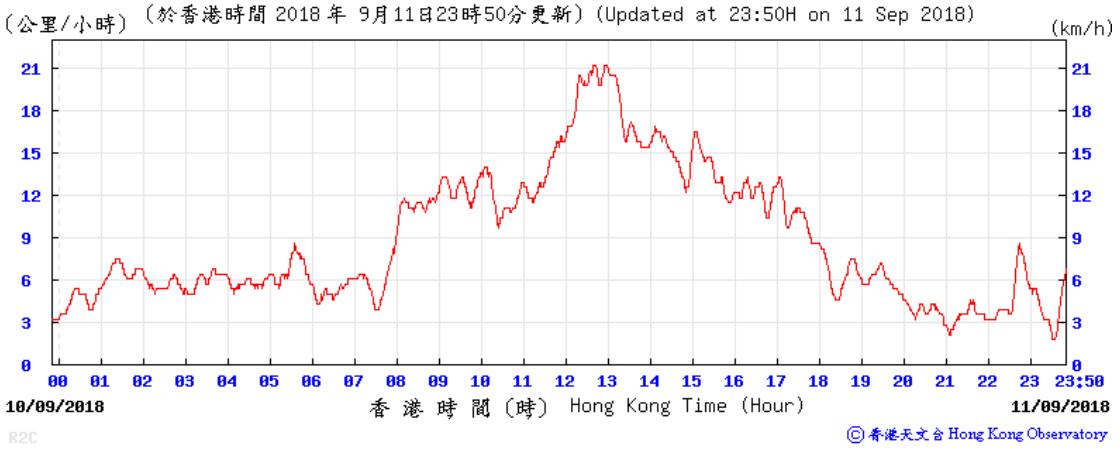
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11/09/2018
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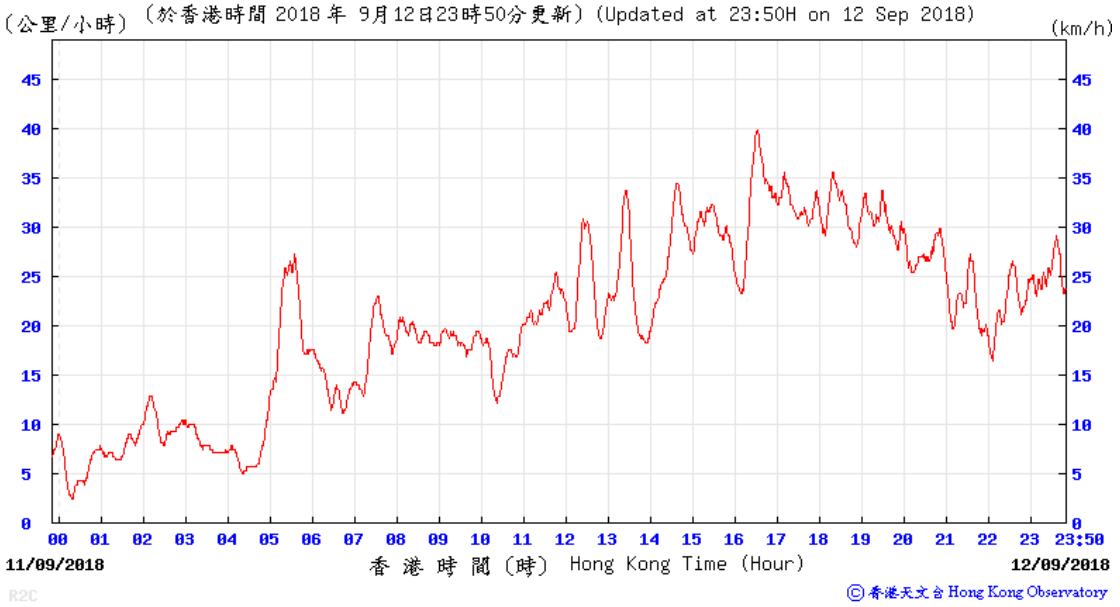
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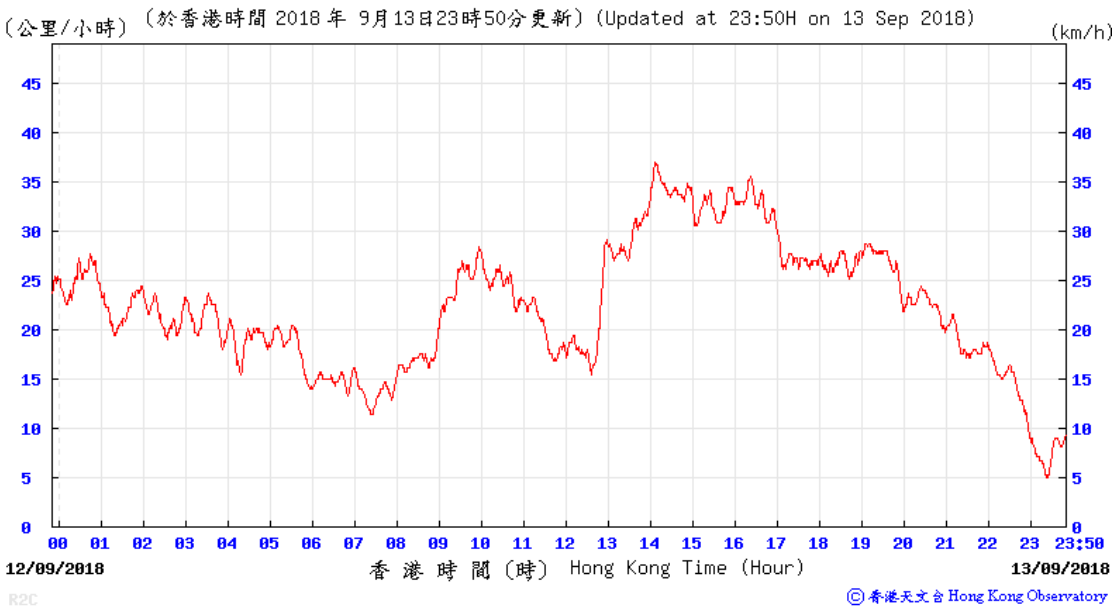
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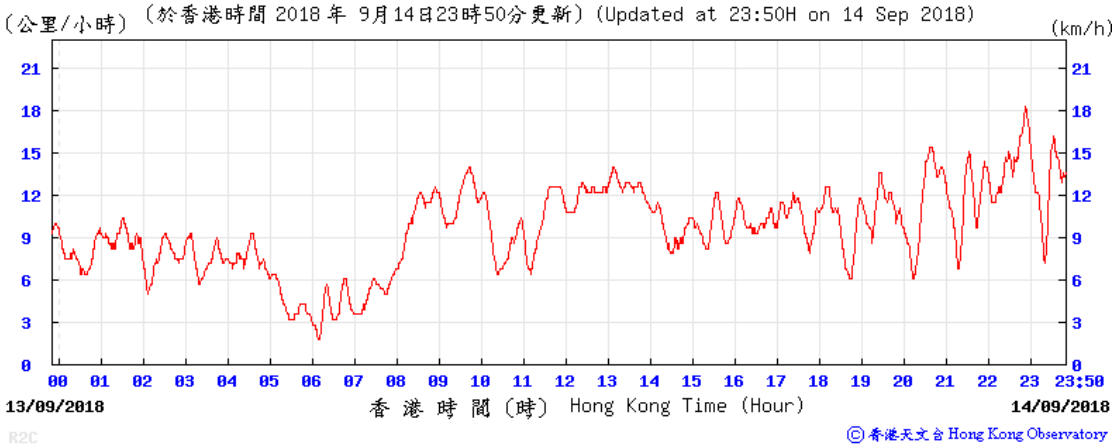
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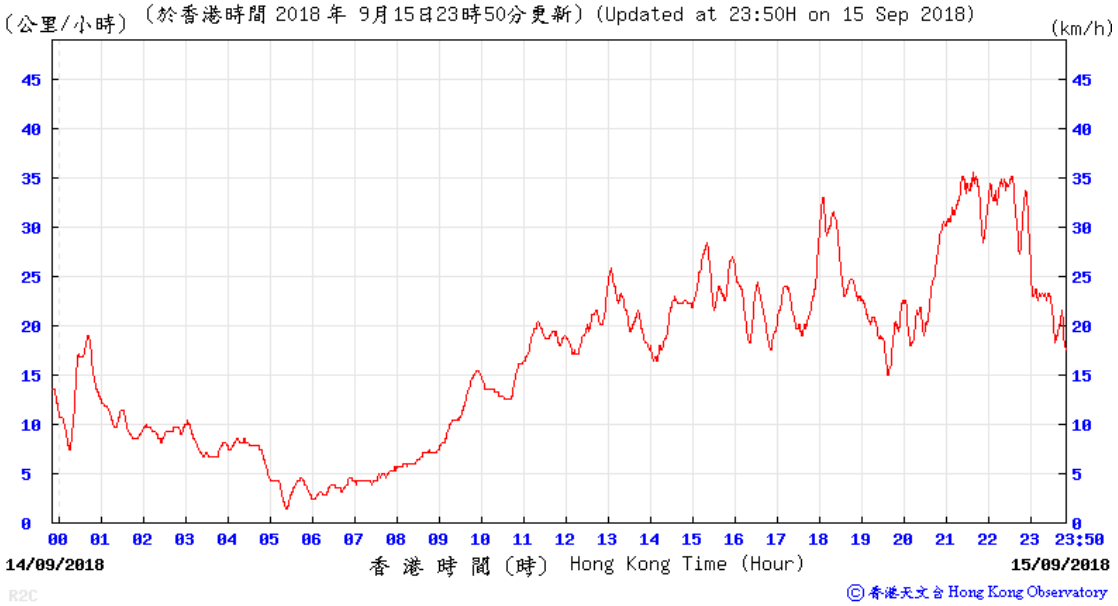
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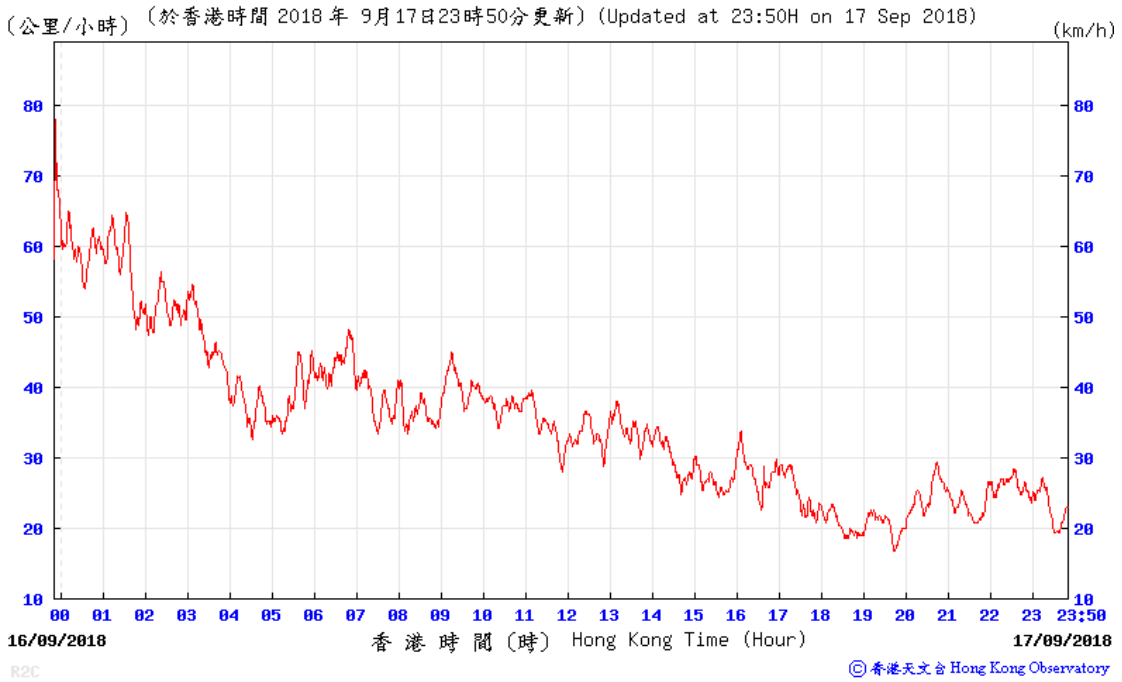
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17/09/2018
R2C
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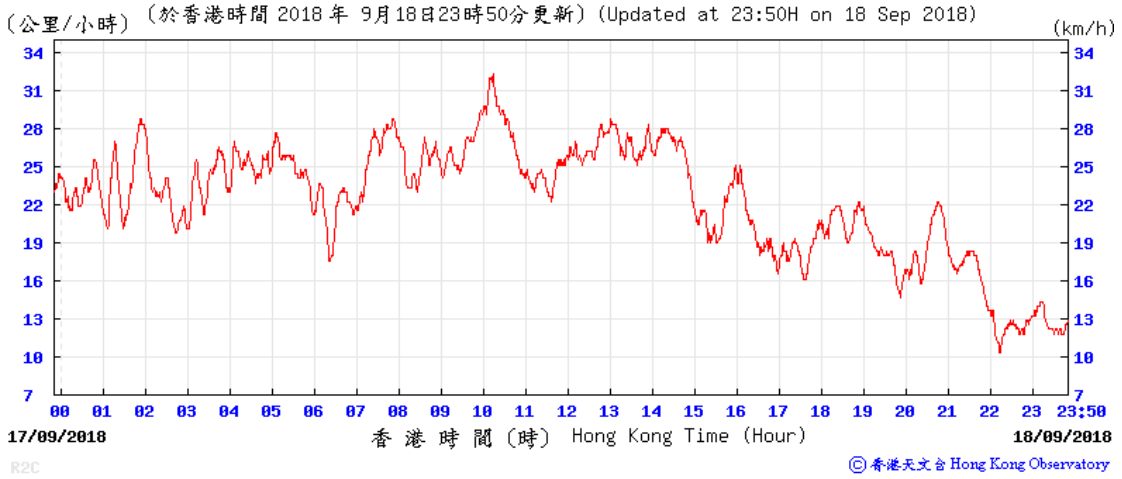
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香 港 時 間 (時) Hong Kong Time (Hour)
18/09/2018
R2C
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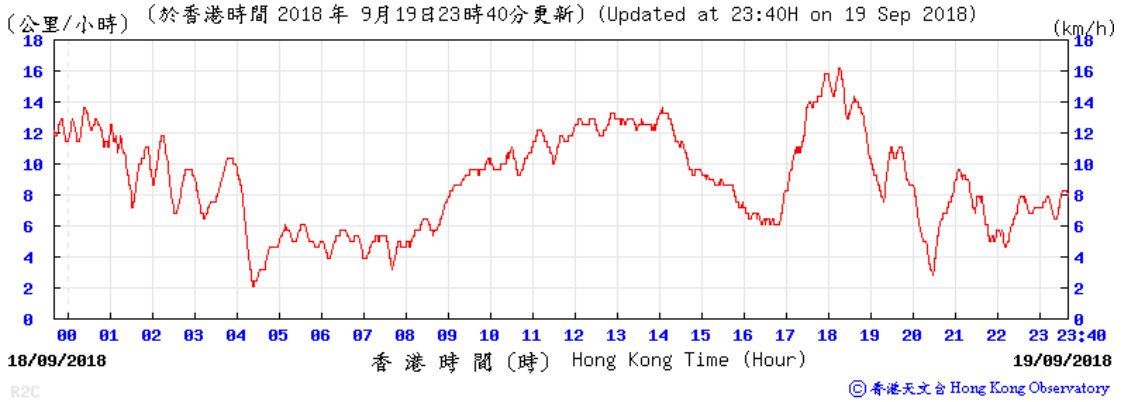
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12
10
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0
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18/09/2018
香 港 時 間 (時) Hong Kong Time (Hour)
19/09/2018
R2C
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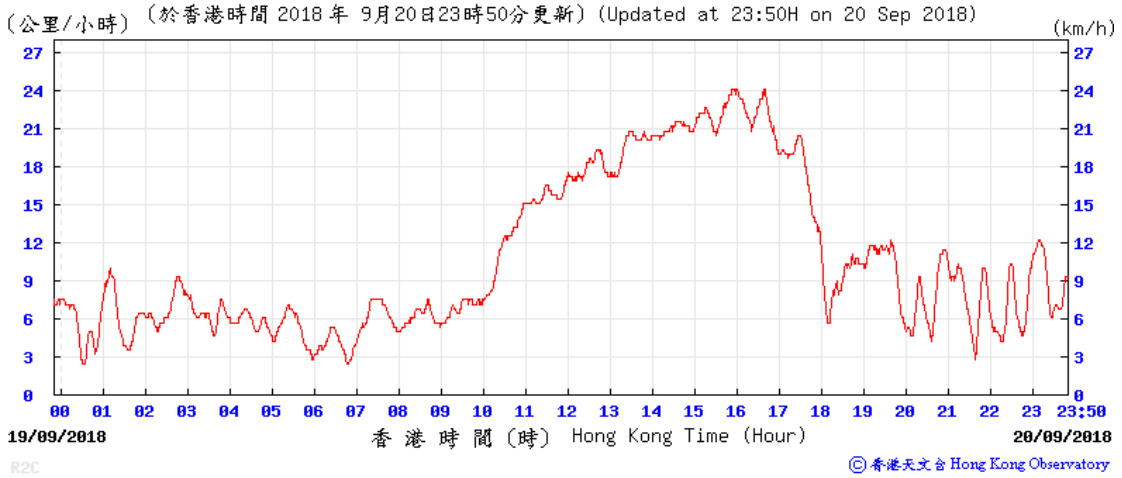
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19/09/2018
香 港 時 間 (時) Hong Kong Time (Hour)
20/09/2018
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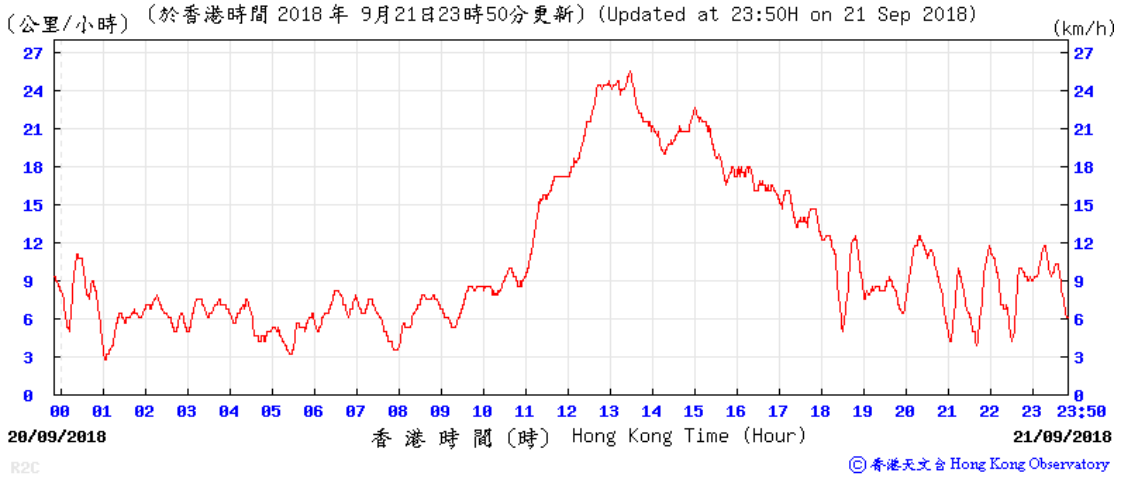
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香 港 時 間 (時) Hong Kong Time (Hour)
21/09/2018
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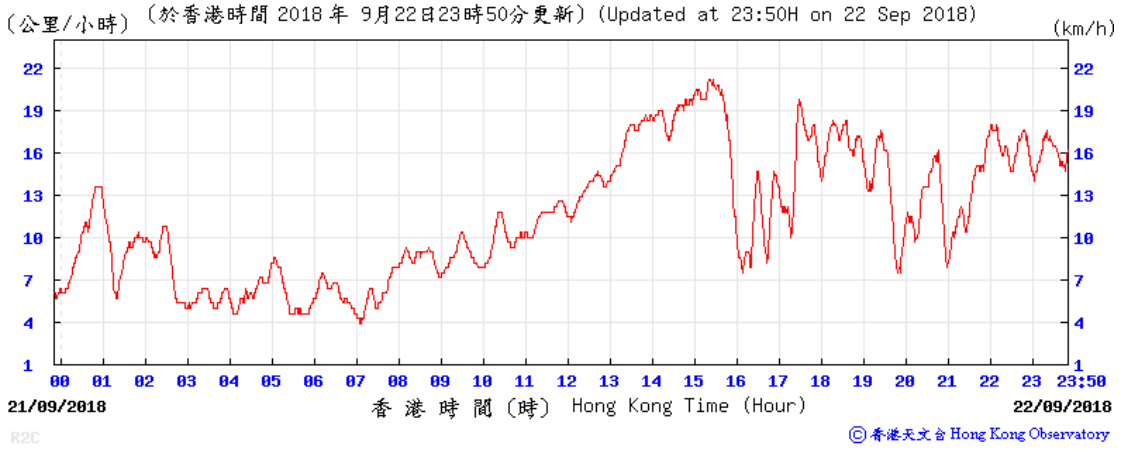
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22/09/2018
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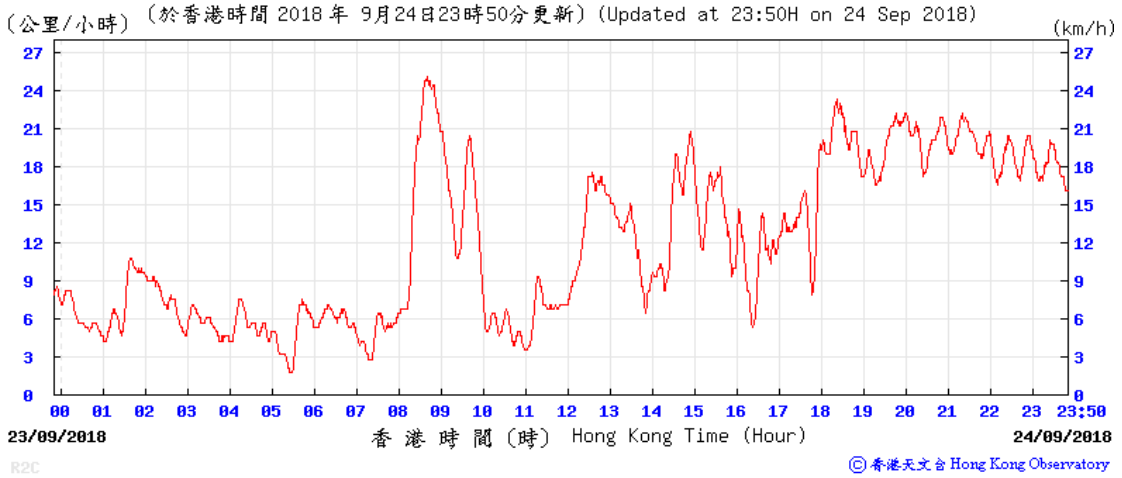
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24/09/2018
R2C
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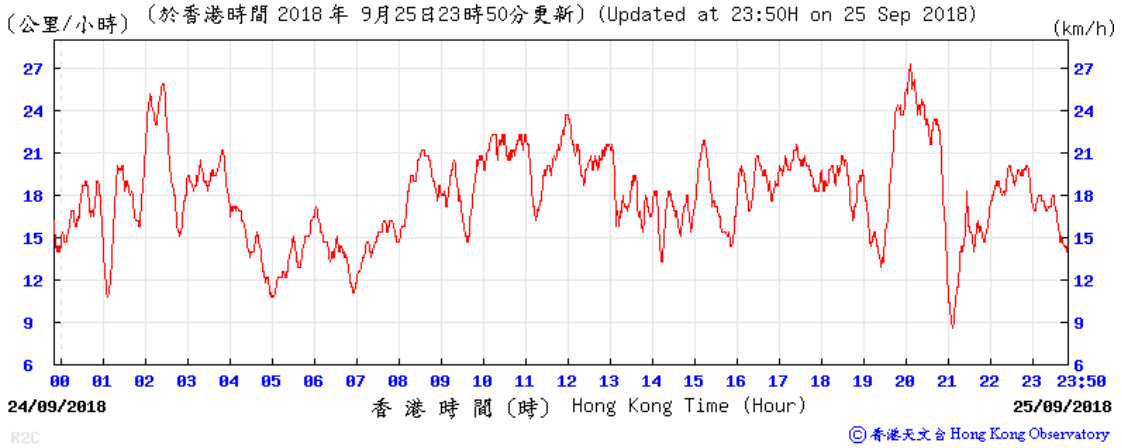
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25/09/2018
R2C
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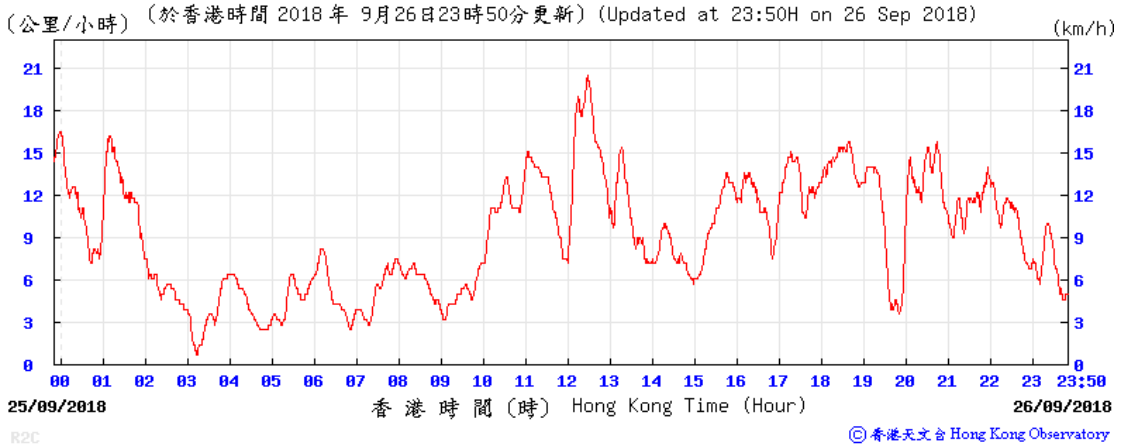
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26/09/2018
R2C
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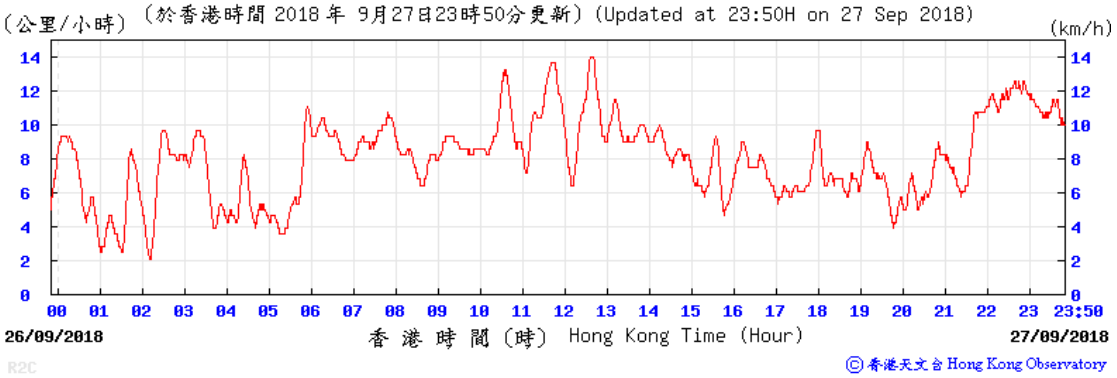
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27/09/2018
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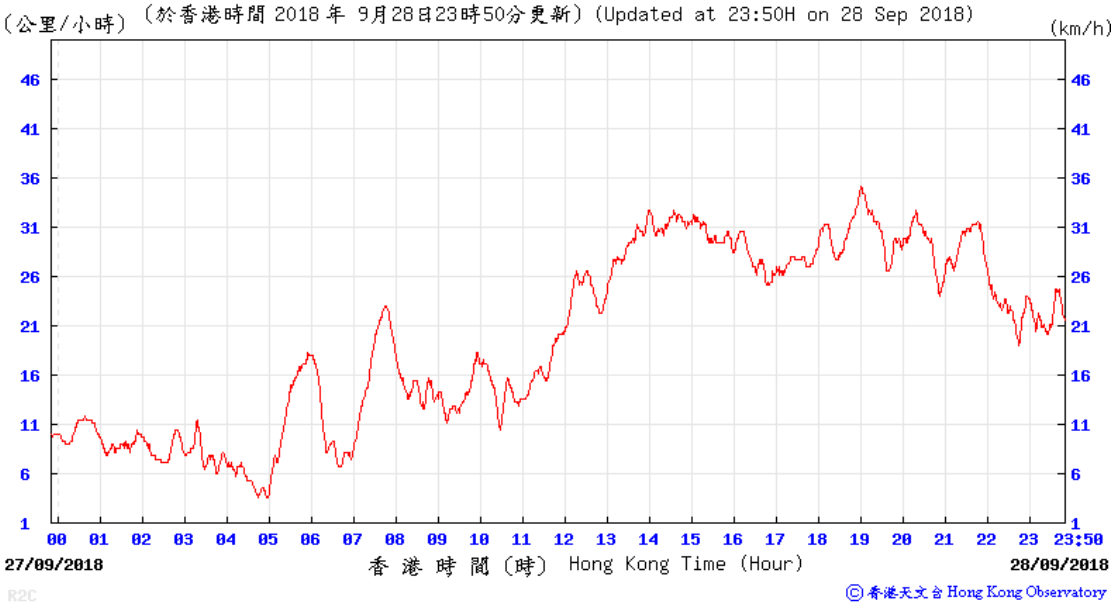
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28/09/2018
R2C
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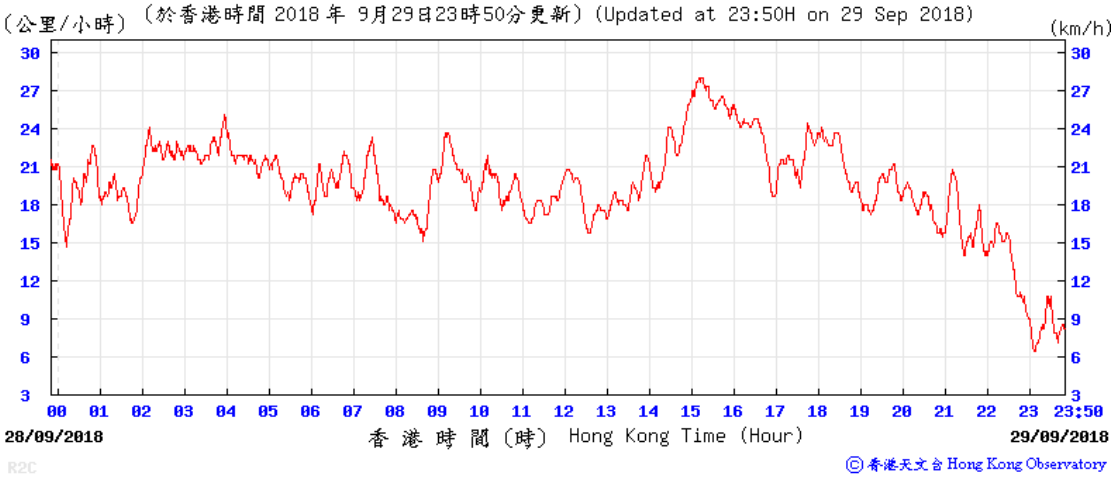
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28/09/2018
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29/09/2018
R2C
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CERTIFICATE OF ANALYSIS

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

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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

Proposed Patrol Route

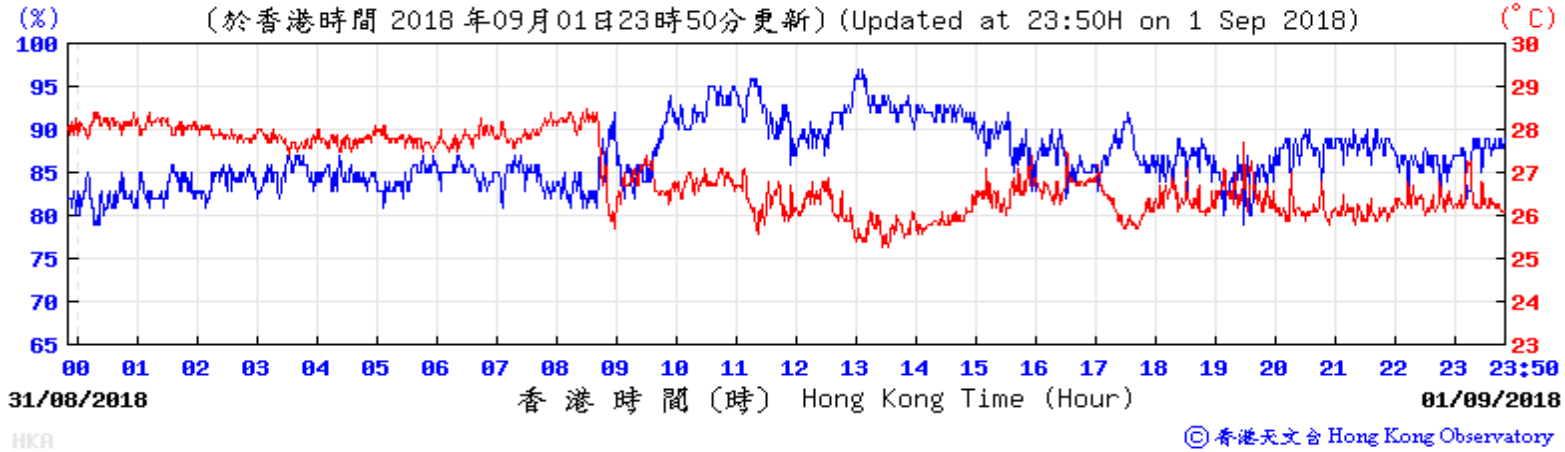
8 Possible Odour Sources (No.) / Checkpoint

1 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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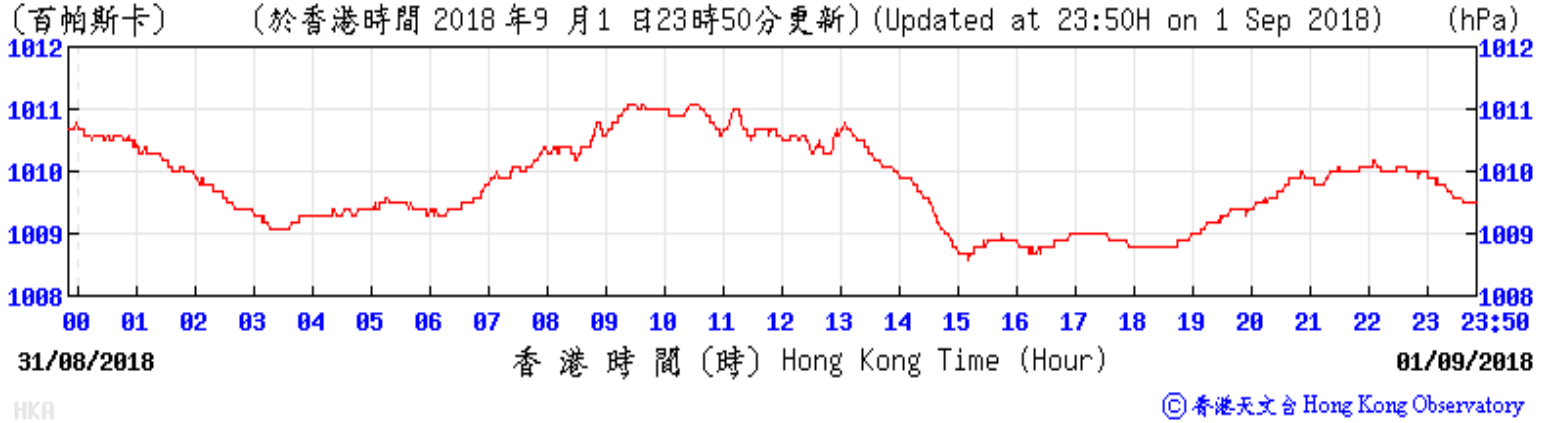

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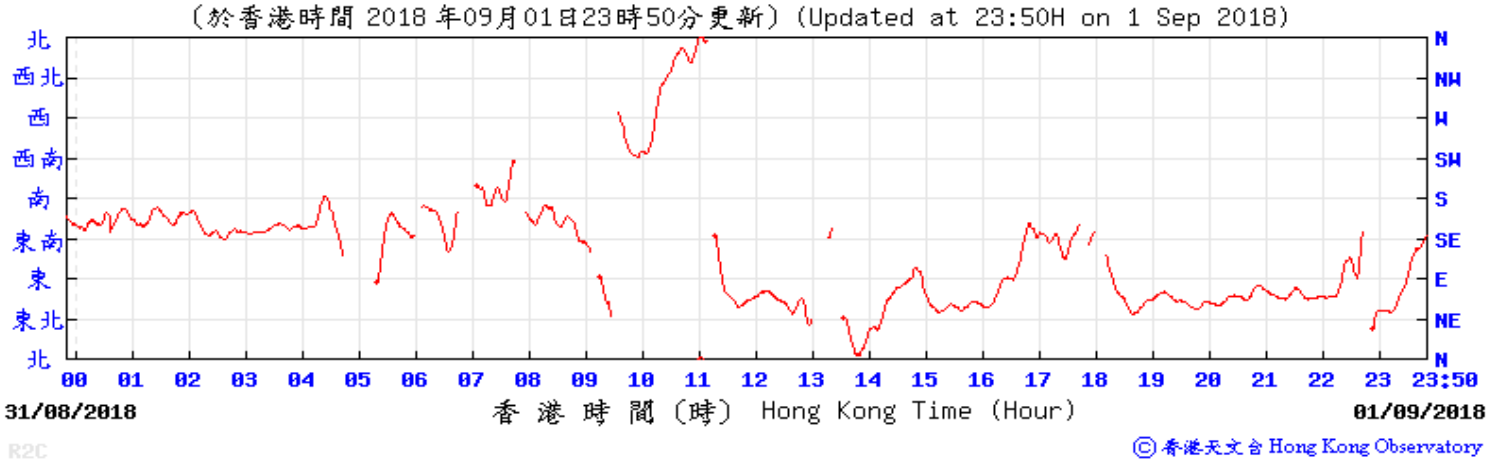
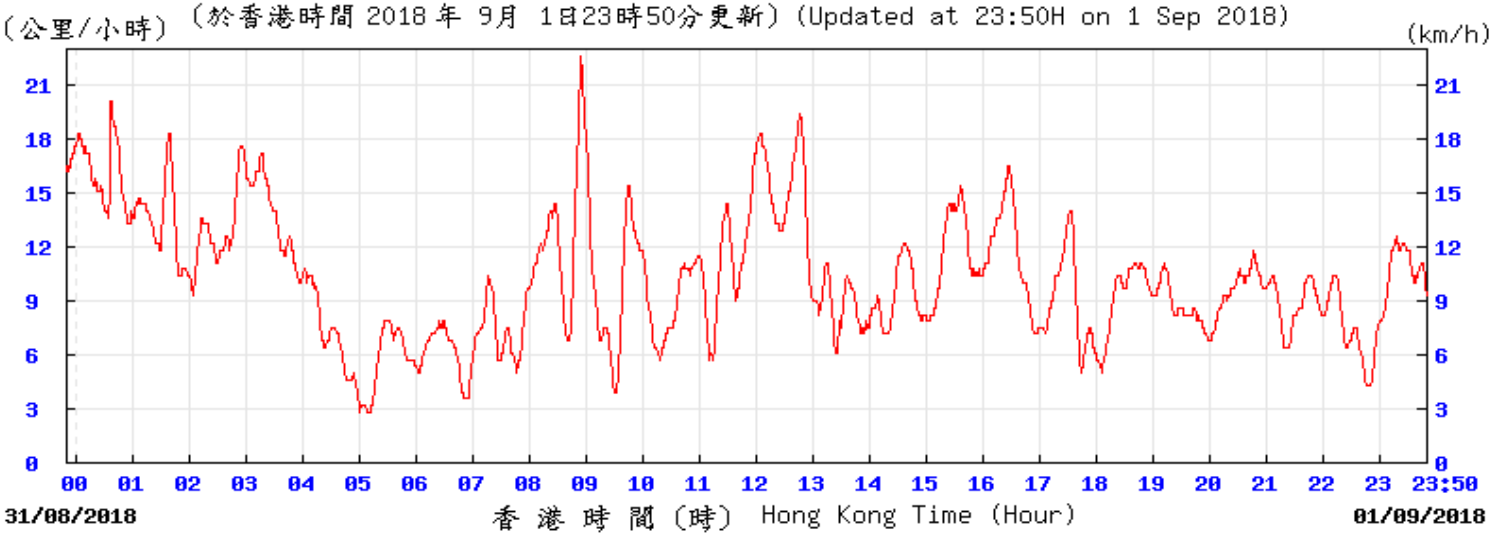


Wind Speed:



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

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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

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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.

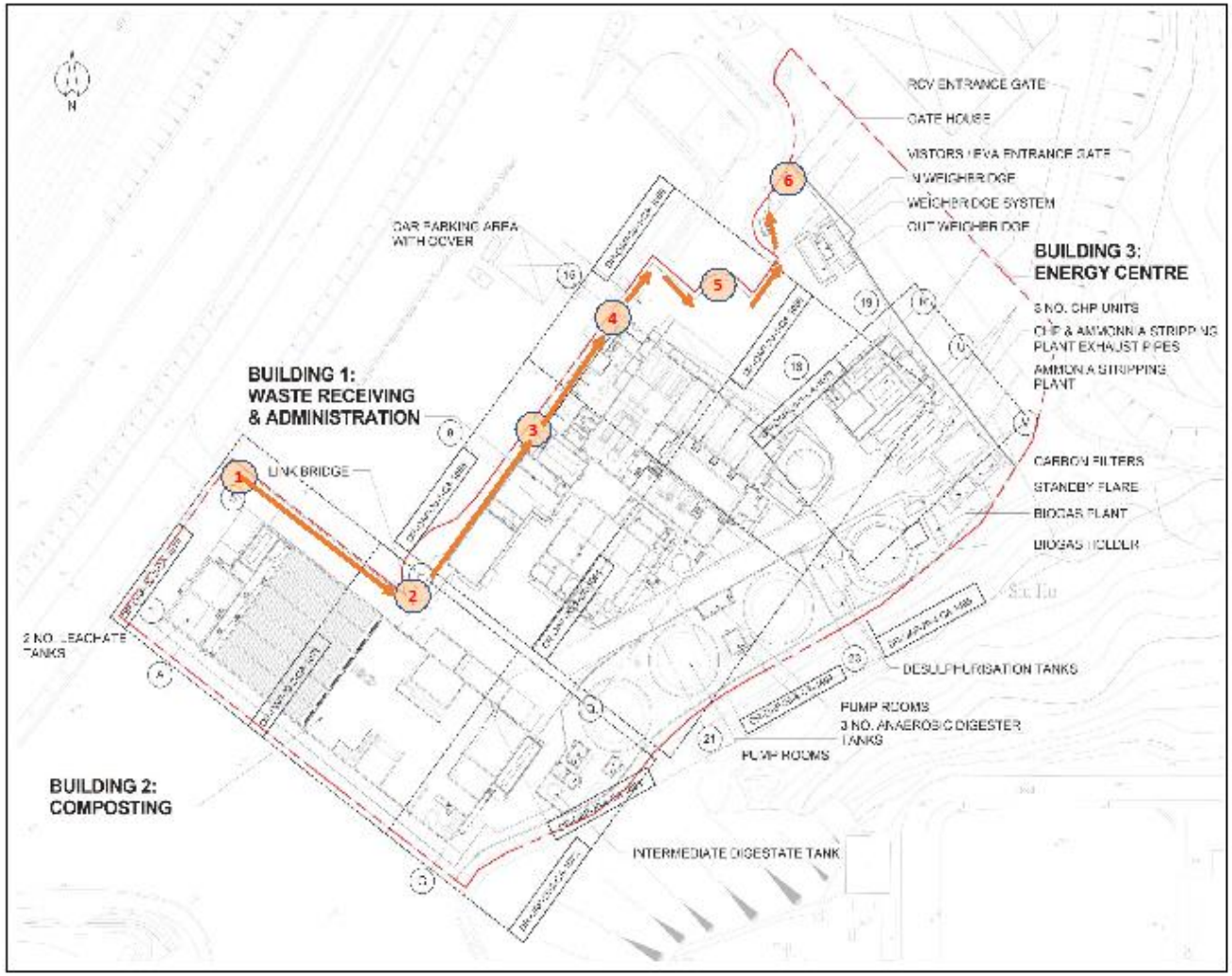
3. Result:

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

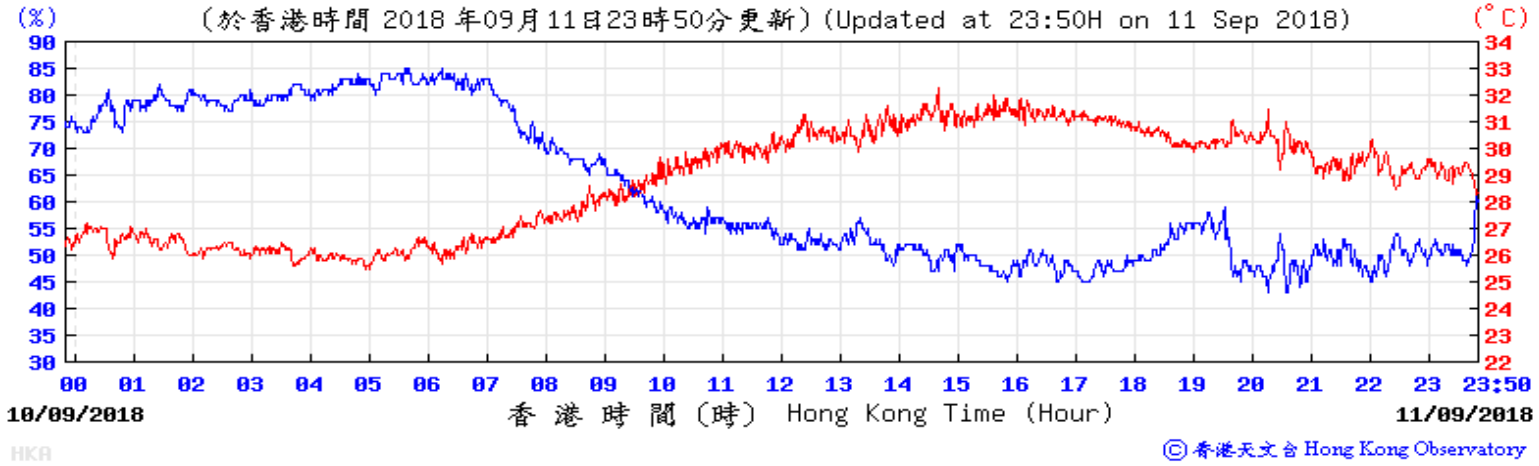
10 Possible Odour Sources (No.) / Checkpoint

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

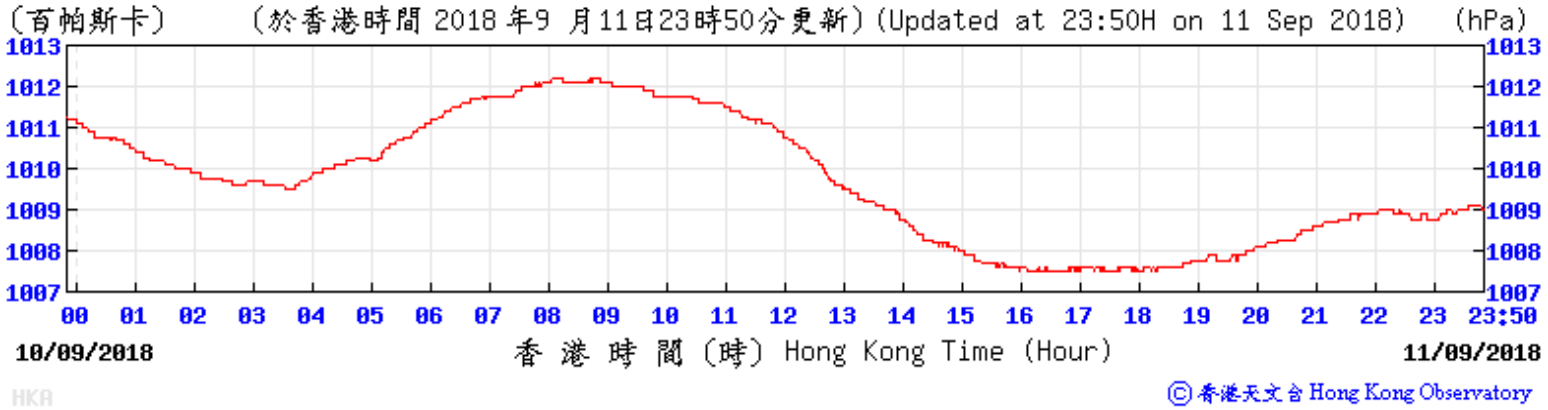
APPENDIX 2

Extract of Meteorological Observations from the Hong Kong Airport Observatory Station

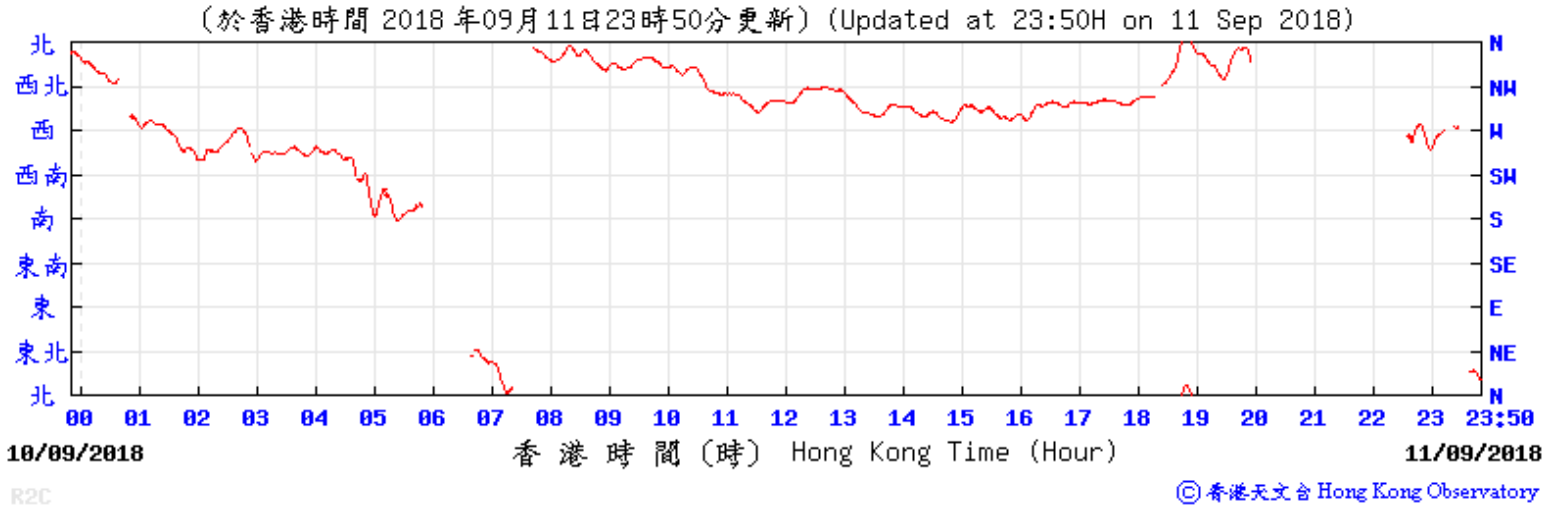
Tempearture/Humidity:



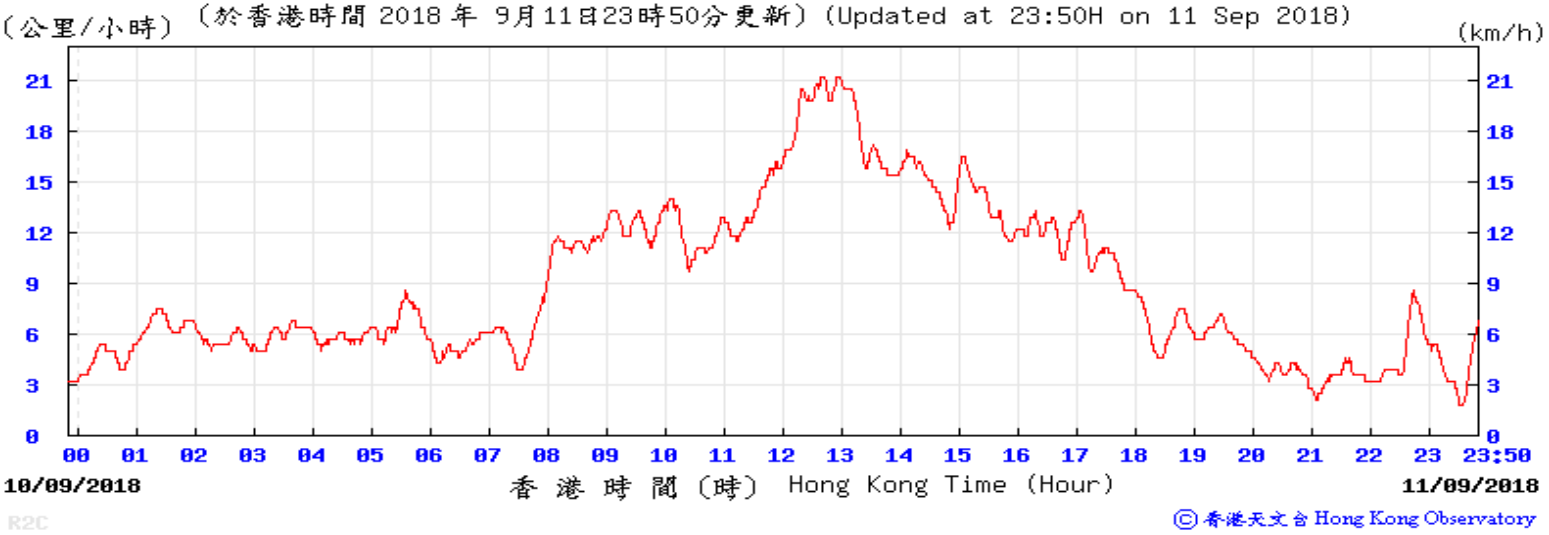
Pressure:



Wind Direction:



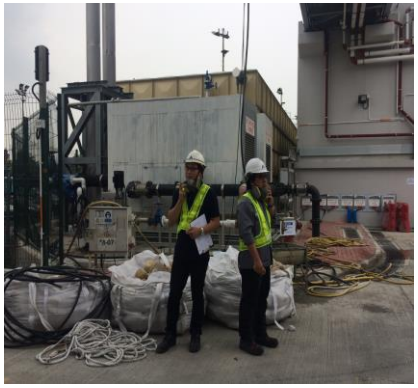
Wind Speed:



APPENDIX 3

Photos for the Odour Patrol Locations

Location: 1



Location: 2

Location: 3

Location: 4

Location: 5

Location: 6

Annex H3

Odour Sampling 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

lfactometry analysis – sampled on 25 June 2018

CERTIFICATE OF ANALYSIS

CLIENT:	Oscar Bioenergy Joint Venture	WORK ORDER:	HK1847224
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 RECEIVED:	31 August 2018
		DATE OF ISSUE:	18 September 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 31st August, 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

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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 locations were shown in Appendix A1.

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)
HK1847224-001	CAPC Unit	31-Aug-18	11:04 – 11:07	11	444	Smell of Garbage	1261.1	33,600,000
HK1847224-002	CAPC Unit	31-Aug-18	11:08 – 11:11	11	476	Smell of Garbage	1261.1	36,020,000
HK1847224-003	Field Blank	31-Aug-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 used for calculation of the emission rate was provided by the client.

APPENDIX 1

A1. SITE CONDITIONS AND OBSERVATION

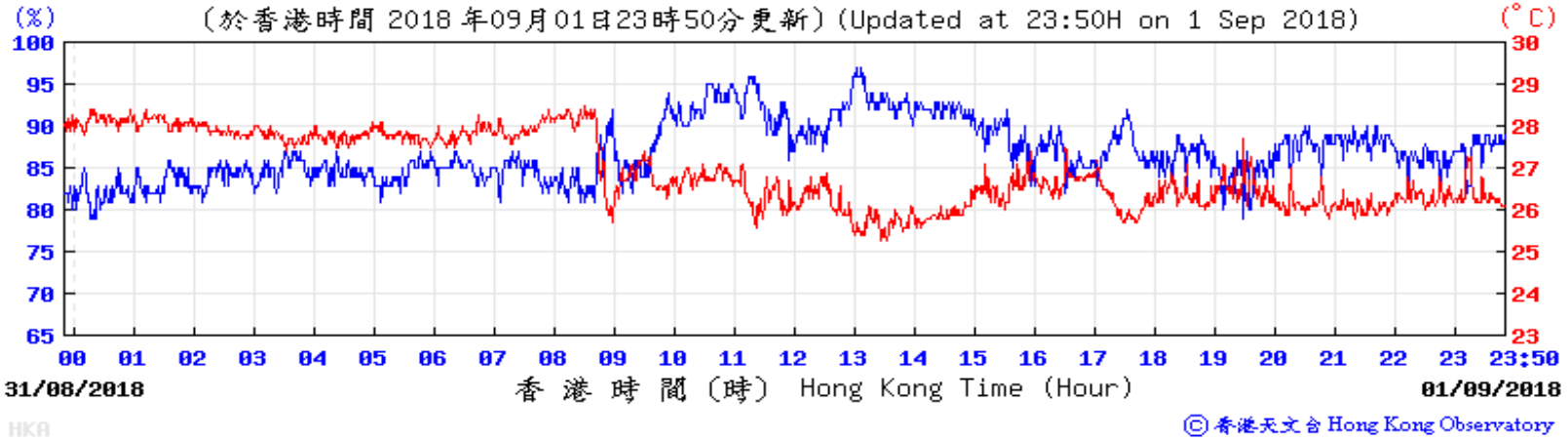
Location	Date	Time	Ambient Temperature (°C)	Relative Humidity (%)	Ambient Pressure (hPa)	Wind Speed (m/s)	Wind Direction (Degree)	Direction from Source[1]	Duration of Odour	On-Site Observation		Weather Condition
										Odour Nature	Possible Source	
CAPC Unit	31-08-18	11:04 -11:11	29.0	81.0	1008.0	1.6	309	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.

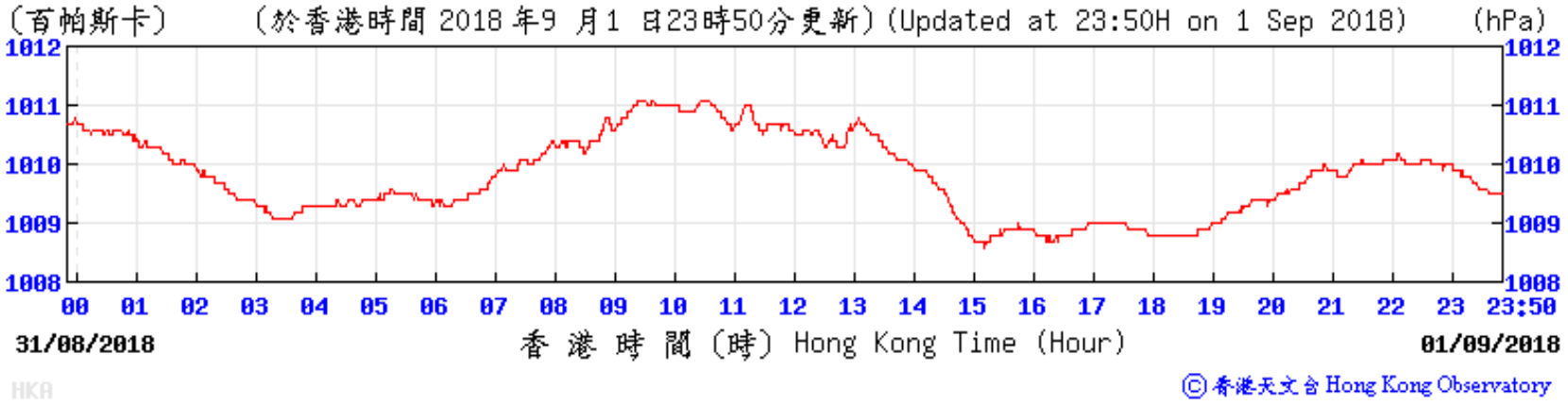
APPENDIX 2

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

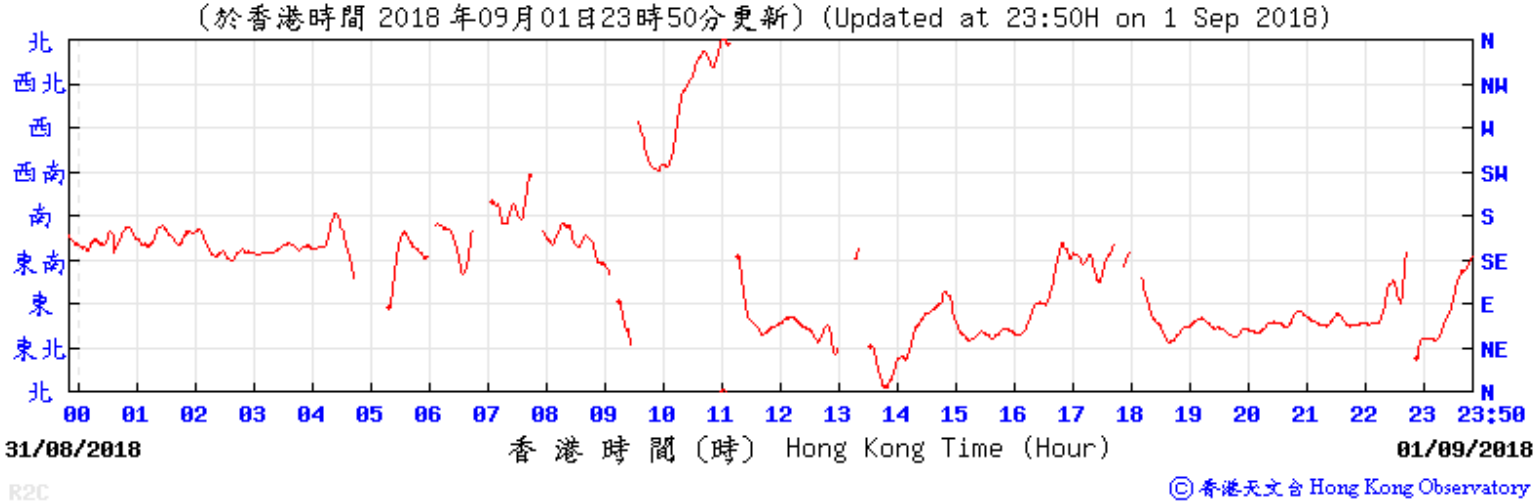
Tempearture/Humidity:



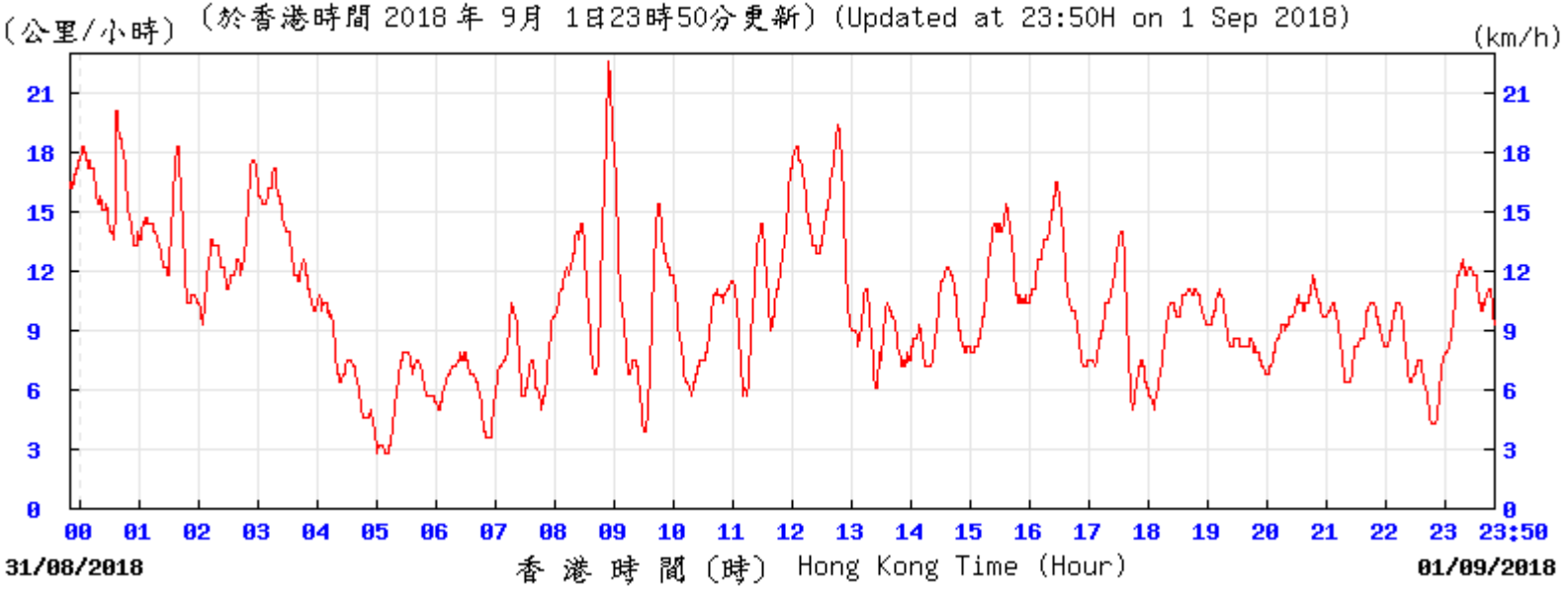
Pressure:



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