Contract	Contract No. HY/2013/04			
	HZMB HKBCF – Infrastructure Works Stage II (Southern Portion)			rtion)
Ref. No.	E	2103		
Date	4 Nove	mber 2019		
Time (hh:mm)	Start time:	12:43 (p.m.)		
Monitoring Location	AN	AS3C		
Parameter	Air Quality – 24	-hour TSP (µg/	m ³)	
Action Level	See	below		
Limit Level	See	below		
Measured Level	Action & Limit Level (AL & LL) / Measured Level:			Measured
	Param. Unit ID Description 24-hr TSP µg/m³ AMS3C Ying Tung Estate Market Rooftop	Action Level 167	Limit Level 260	Level 170
	Remarks: Bold means AL exceedance Bold with underline means LL exceedance			
Possible reason for Action or Limit Level Non- compliance	Remarks:			

Incident Report on Action Level or Limit Level Non-compliance

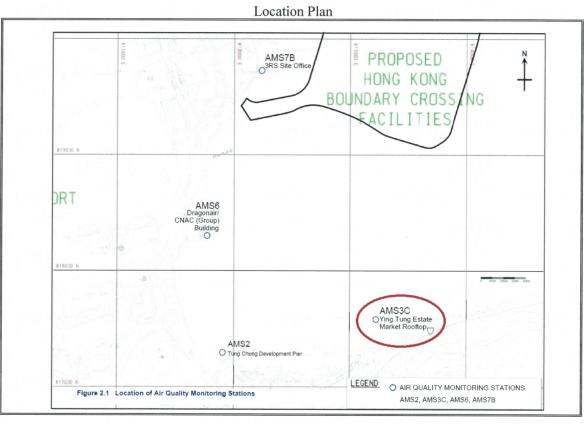
1

Contract No. HY/2013/04 HZMB HKBCF – Infrastructure Works Stage II (Southern Portion)

M MOTT MACDONALD

Environmental Monitoring and Audit

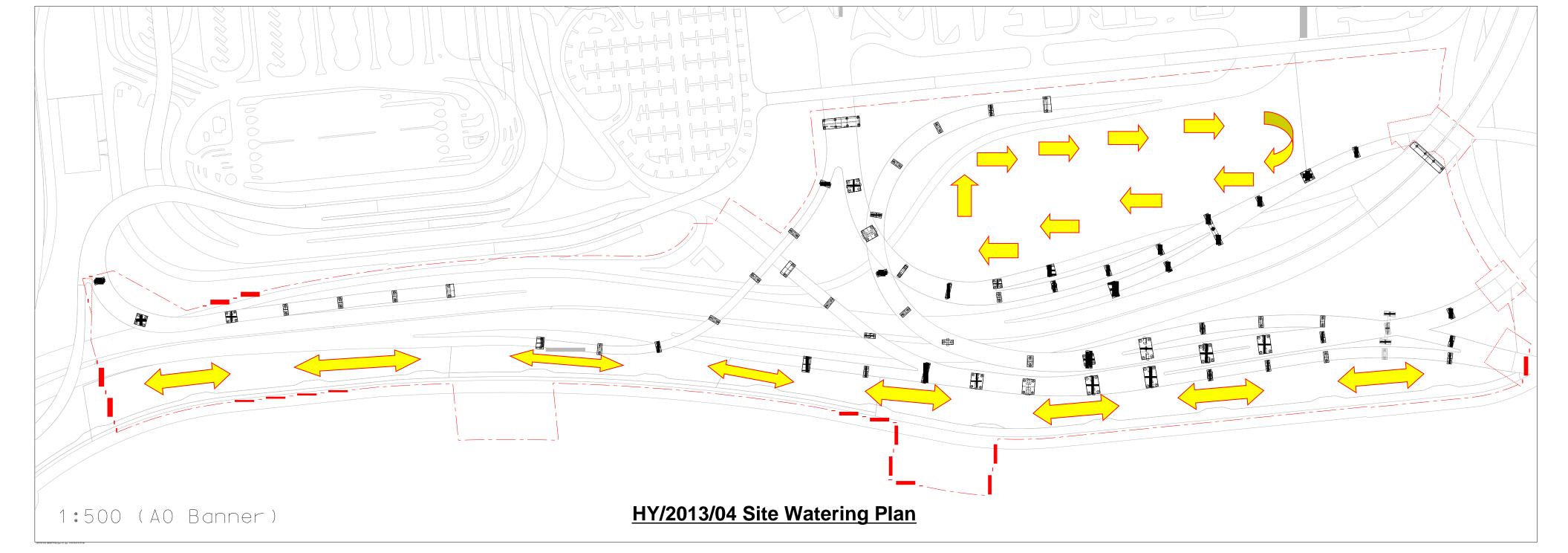
	It was concluded that the exceedance was not due to HY/2013/04.
taken	Although the exceedance was considered not due to HY/2013/04, the Contractor is reminded to continue the proper implementation of the site watering plan for the Contract and implement all necessary air quality mitigation measures identified in the EM&A Manual.
Remarks	ET of HY/2013/04 issued notification of exceedance (NOE) as follows:
	• <u>24-hour TSP:</u> 29 November 2019 (Notification No. 20191128_Air_24hr).
	Attachments to this report are as follows:
	1. Site watering plan for HY/2013/04.
	 Photos of Contractor's site watering on 4-6 November 2019, plus site mitigation measures and air quality observations on 30 October and 6 November 2019.
	 Wind data during the 24-hour TSP monitoring period at AMS3C wind station at Ying Tung Estate.



Prepared by: Designation: Signature: Gary Chow Environmental Team Leader (Contract No. HY/2013/04)

Date:

30 December 2019



Photos of dust mitigation measures during the period of 4 – 6 Nov 2019



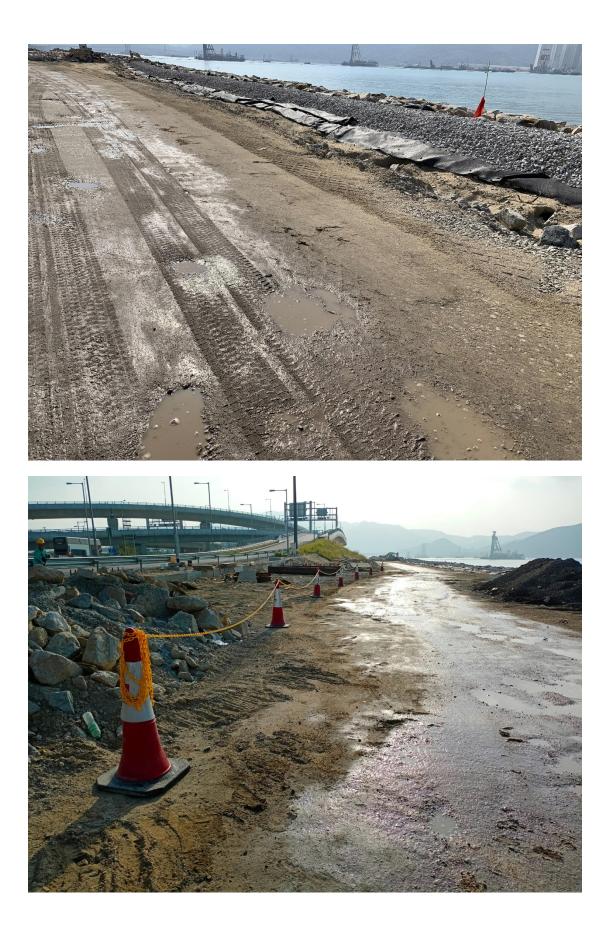


Photo record of site mitigation measures and air quality observations during weekly environmental site inspection

30 October 2019



Wind Data at AMS3C

ern Portion			
		Wind	Wind
Date	Time	Speed (m/s)	Direction
04/11/2019	12:00 PM	2.2	ENE
04/11/2019	1:00 PM	2.7	NE
04/11/2019	2:00 PM	2.2	NE
04/11/2019	3:00 PM	2.2	NE
04/11/2019	4:00 PM	2.2	NNE
04/11/2019	5:00 PM	3.6	E
04/11/2019	6:00 PM	1.8	E
04/11/2019	7:00 PM	0.9	E
04/11/2019	8:00 PM	0.4	ENE
04/11/2019	9:00 PM	0.4	NNW
04/11/2019	10:00 PM	0.4	NNW
04/11/2019	11:00 PM	0.4	W
05/11/2019	12:00 AM	1.3	E
05/11/2019	1:00 AM	0.9	SSE
05/11/2019	2:00 AM	1.3	E
05/11/2019	3:00 AM	1.3	E
05/11/2019	4:00 AM	0.4	SE
05/11/2019	5:00 AM	0.4	ESE
05/11/2019	6:00 AM	1.8	ENE
05/11/2019	7:00 AM	0.4	NE
05/11/2019	8:00 AM	0.9	ENE
05/11/2019	9:00 AM	0.9	E
05/11/2019	10:00 AM	1.3	ENE
05/11/2019	11:00 AM	0.9	NE
05/11/2019	12:00 PM	1.8	ENE

Contract	Contract No. HY/2013/04			
Contract	HZMB HKBCF – Infrastructure		(Southern Po	ortion)
Ref. No.	E104			
Date	21 Nove	ember 2019		
Time (hh:mm)	Start time:	08:23 (a.m.)		
Monitoring Location	AM	AS7B		
Parameter	Air Quality – 24	-hour TSP (µg/	m ³)	
Action Level	See	below		
Limit Level	See	below		
Measured Level	Action & Limit Level (AL & LL) / Measured Level: Param. Station 24-hr TSP µg/m³ AMS7B 3RS Site Office	Action Level 183	Limit Level 260	Measured Level 218
Action or Limit Level Non- compliance	Param. Unit ID Description Action Level Limit Level Level			

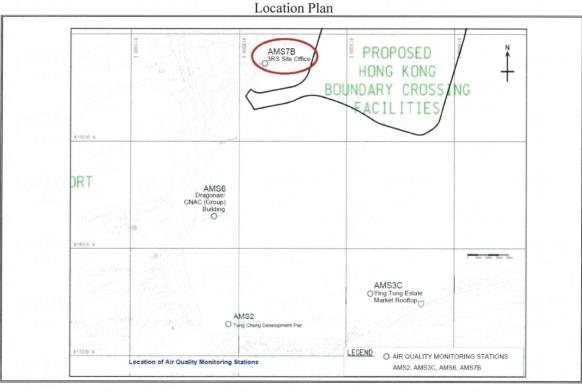
Incident Report on Action Level or Limit Level Non-compliance

Contract No. HY/2013/04 HZMB HKBCF – Infrastructure Works Stage II (Southern Portion)

M MOTT MACDONALD

Environmental Monitoring and Audit

	• http://www.aqhi.gov.hk/epd/ddata/html/history/2019/201911_Eng.csv
	It was concluded that the exceedance was not due to HY/2013/04.
taken	Although the exceedance was considered not due to HY/2013/04, the Contractor is reminded to continue the proper implementation of the site watering plan for the Contract and implement all necessary air quality mitigation measures identified in the EM&A Manual.
	 ET of HY/2013/04 issued notification of exceedance (NOE) as follows: <u>24-hour TSP</u>: 9 December 2019 (Notification No. 20191121_Air_24hr). Attachments to this report are as follows:
	 Site watering plan for HY/2013/04. Photos of Contractor's site watering on 21-23 November 2019, plus site mitigation measures and air quality observations on on 18 and 27 November 2019.
	 Wind data during the 24-hour TSP monitoring period at AMS3C wind station at Ying Tung Estate and Hong Kong Observatory Chek Lap Kok wind station.



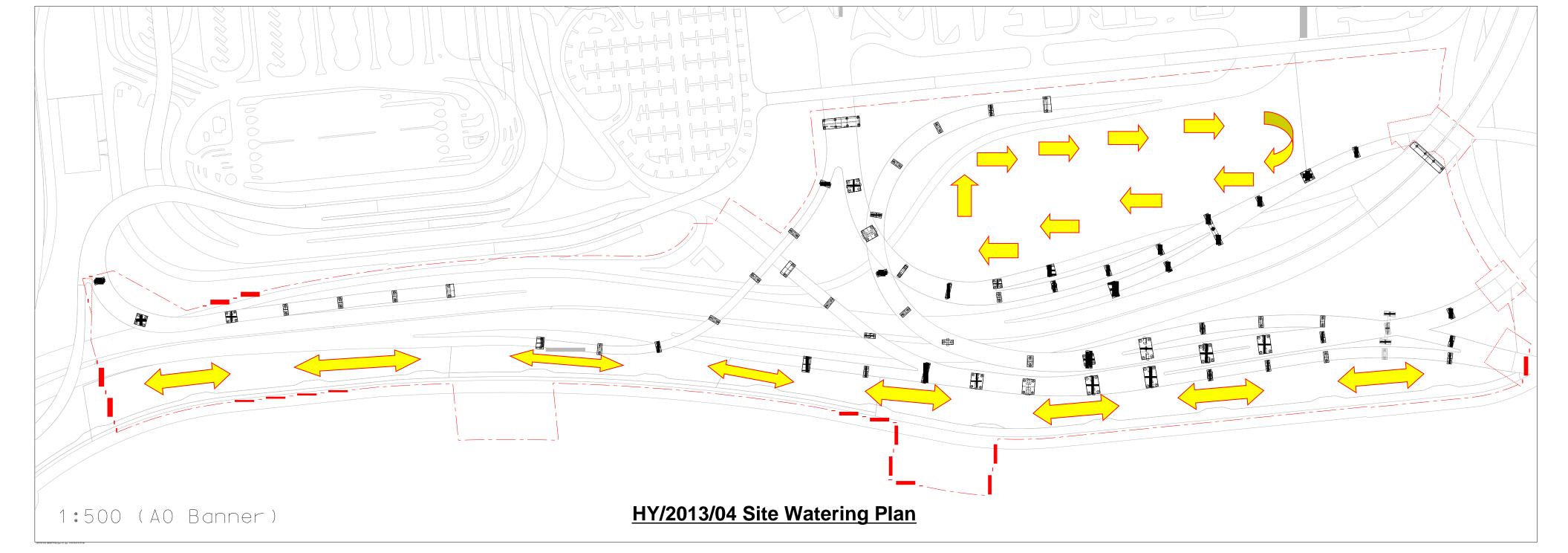
Prepared by:Gary ChowDesignation:Environmental Team Leader (Contract No. HY/2013/04)Signature:Image: Image: Imag

Date:

30 December 2019

2

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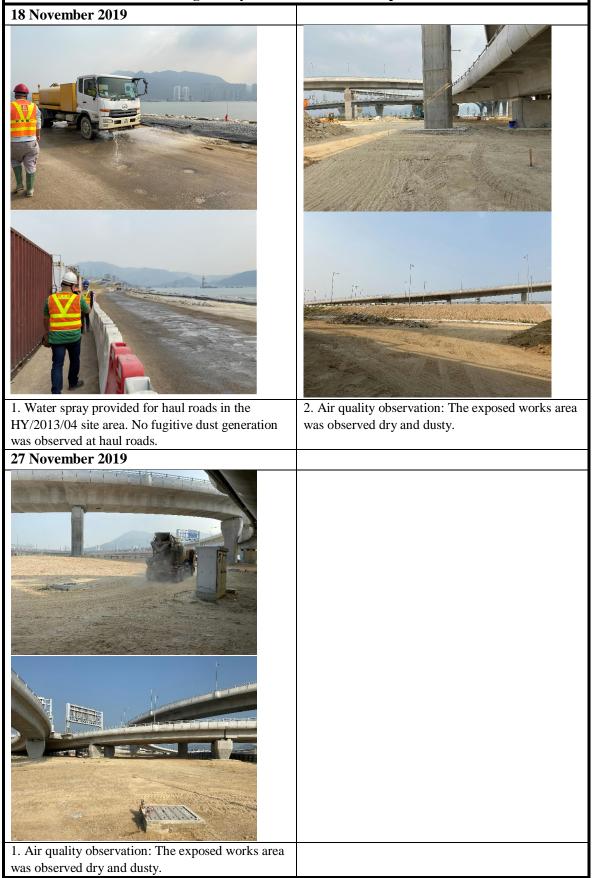




Photos of dust mitigation measures during the period of 21 – 23 Nov 2019



Photo record of site mitigation measures and air quality observations during weekly environmental site inspection



Wind Data at AMS3C

ern Portion				
		Wind	Wind	
Date	Time	Speed (m/s)	Direction	
21/11/2019	8:00 AM	0	NNE	
21/11/2019	9:00 AM	0.4	ENE	
21/11/2019	10:00 AM	0.9	NE	
21/11/2019	11:00 AM	0.9	NNW	
21/11/2019	12:00 PM	0.9	NW	
21/11/2019	1:00 PM	1.3	NW	
21/11/2019	2:00 PM	0.9	NW	
21/11/2019	3:00 PM	0.9	NW	
21/11/2019	4:00 PM	0.4	NW	
21/11/2019	5:00 PM	0.4	NW	
21/11/2019	6:00 PM	0.9	S	
21/11/2019	7:00 PM	0.4	S	
22/11/2019	8:00 PM	0	S	
22/11/2019	9:00 PM	0	S	
22/11/2019	10:00 PM	0		
22/11/2019	11:00 PM	0		
22/11/2019	12:00 AM	0		
22/11/2019	1:00 AM	0		
22/11/2019	2:00 AM	0		
22/11/2019	3:00 AM	0		
22/11/2019	4:00 AM	0		
22/11/2019	5:00 AM	0	S	
22/11/2019	6:00 AM	0	SSW	
22/11/2019	7:00 AM	0		
22/11/2019	8:00 AM	0	S	

Date & Time	Wind Speed (km/h)	Wind Speed (m/s)	Wind Direction (degrees)
21/11/2019 08:00	13.0	3.6	58
21/11/2019 09:00	10.8	3.0	52
21/11/2019 10:00	8.3	2.3	28
21/11/2019 11:00	11.2	3.1	346
21/11/2019 12:00	16.2	4.5	328
21/11/2019 13:00	15.5	4.3	309
21/11/2019 14:00	11.9	3.3	289
21/11/2019 15:00	13.7	3.8	287
21/11/2019 16:00	15.8	4.4	312
21/11/2019 17:00	17.6	4.9	312
21/11/2019 18:00	14.4	4.0	307
21/11/2019 19:00	15.5	4.3	351
21/11/2019 20:00	12.6	3.5	50
21/11/2019 21:00	9.7	2.7	71
21/11/2019 22:00	9.0	2.5	90
21/11/2019 23:00	10.1	2.8	126
22/11/2019 00:00	7.2	2.0	130
22/11/2019 01:00	10.8	3.0	76
22/11/2019 02:00	11.5	3.2	80
22/11/2019 03:00	8.3	2.3	111
22/11/2019 04:00	10.1	2.8	119
22/11/2019 05:00	6.8	1.9	126
22/11/2019 06:00	13.0	3.6	45
22/11/2019 07:00	12.6	3.5	63
22/11/2019 08:00	12.2	3.4	74

Wind Data at Chek Lap Kok Collected by the Hong Kong Observatory