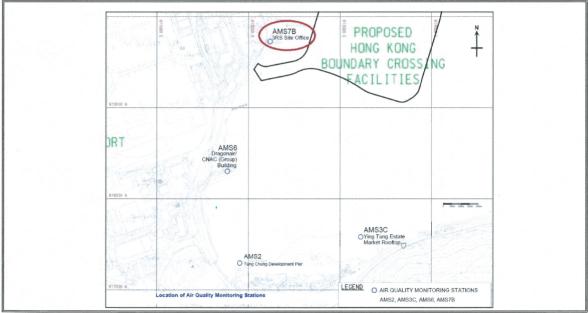
Environmental Monitoring and Audit

Incident Report on Action Level or Limit Level Non-compliance

Contract	Contract No. HY/2013/04 HZMB HKBCF – Infrastructure Works Stage II (Southern Portion)				
Ref. No.	E102				
Date		ember 2019			
Time (hh:mm)	•	: 12:17 (p.m.)			
Monitoring Location		MS7B			
Parameter Parameter	Air Quality – 24	l-hour TSP (µg/	$\overline{\mathrm{m}^3}$)		
Action Level	•	below			
Limit Level	See	below			
Measured Level	Action & Limit Level (AL & LL) / Measured Level:				
	Station Description	Action Level 183	Limit Level 260	Measured Level 211	
	Remarks: Bold means AL exceedance Bold with underline means LL exceedance				
Action or Limit Level Non- compliance					

	Information available on EPD's Air Quality Health Index (AQHI) website show that the short-term health risk of air pollution between 12:00 p.m. on 30 September 2019 and 12:00 p.m. on 1 October 2019 was low to serious in Tung Chung (with maximum AQHI of 10+ at 13:00-17:00 on 30 September 2019). This, combin with the winds recorded at the abovementioned wind stations, indicates that the background air pollution was relatively high during part of the monitoring period and may have contributed to the high level of TSP recorded. The AQHI data available online at:			
	 http://www.aqhi.gov.hk/epd/ddata/html/history/2019/201909_Eng.csv It was concluded that the exceedance was not due to HY/2013/04. 			
Actions taken / to be taken	Although the exceedance was considered not due to HY/2013/04, the Contractor is reminded to properly implement 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: • 24-hour TSP: 9 October 2019 (Notification No. 20190930_Air_24hr). Attachments to this report are as follows:			
	 Site watering plan for HY/2013/04. Photos of site mitigation measures, air quality observation and Contractor's follow-up action on 25 September, 2 October and 9 October 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. 			

Location Plan



Prepared by:

Gary Chow

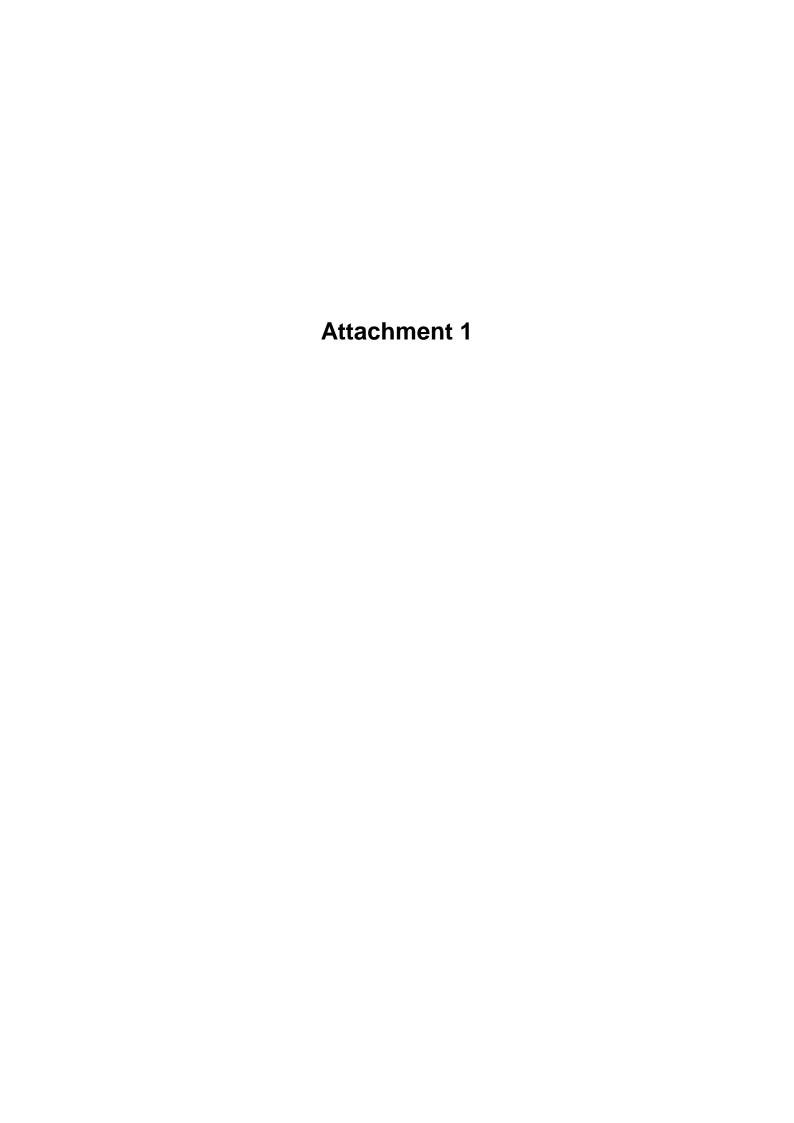
Designation:

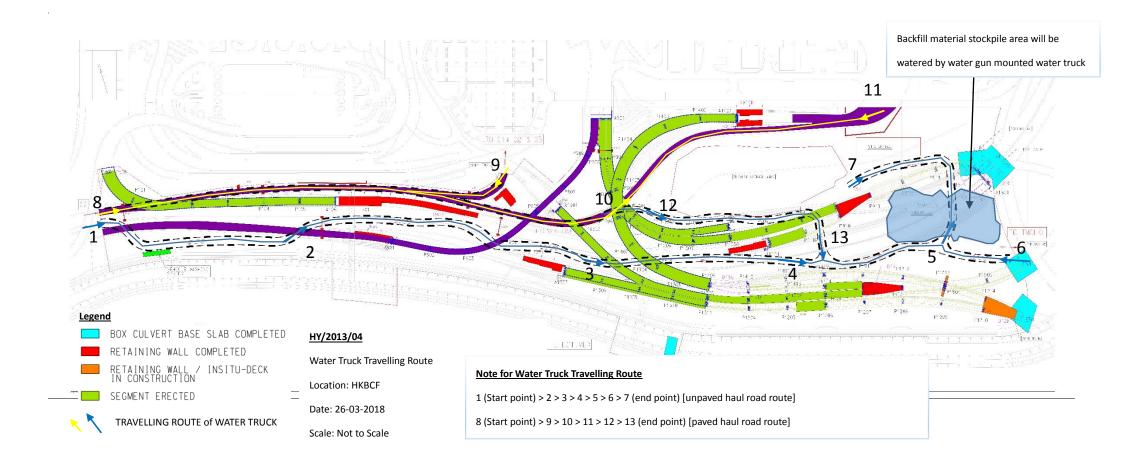
Environmental Team Leader (Contract No. HY/2013/04)

Signature:

Date:

18 October 2019





HY/2013/04 Water Truck Travelling Route

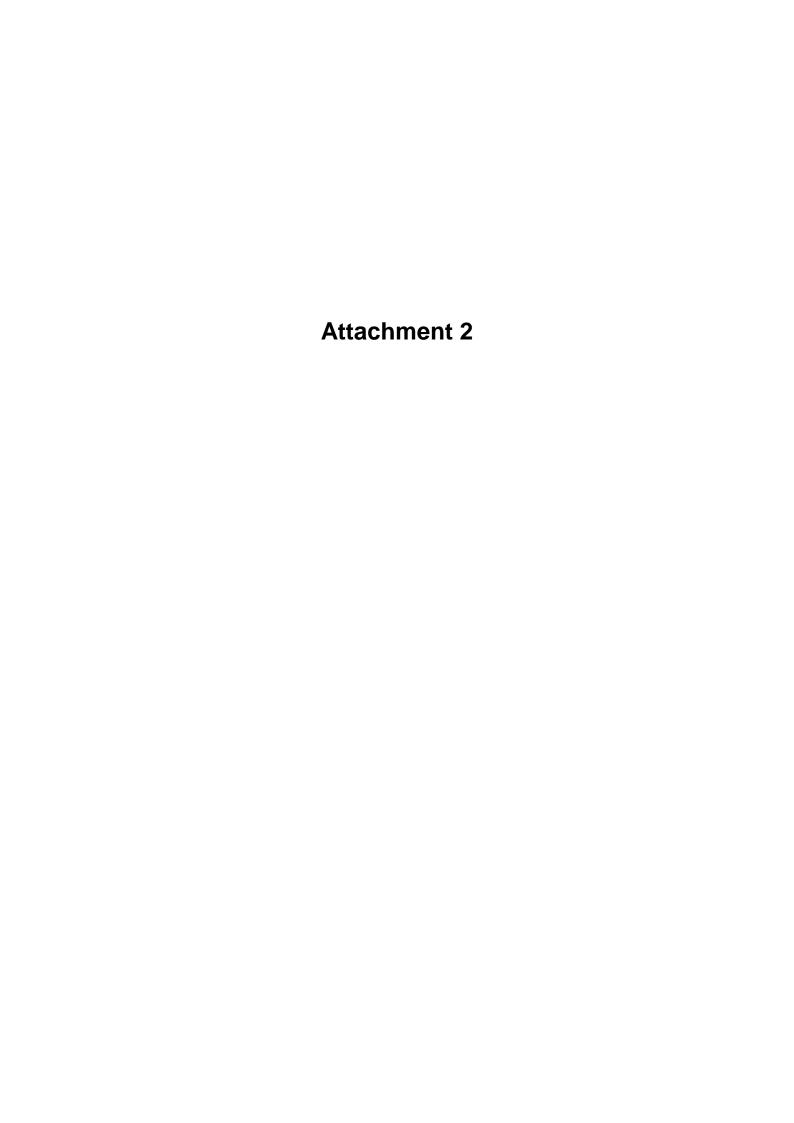


Photo record of site mitigation measures and air quality observations during weekly environmental site inspection

25 September 2019



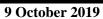


1. Water spray provided for haul roads in the HY/2013/04 site area. No fugitive dust generation was observed.

2. Air quality observation: Stockpiles and some exposed works areas were observed dry and dusty.

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

2 October 2019

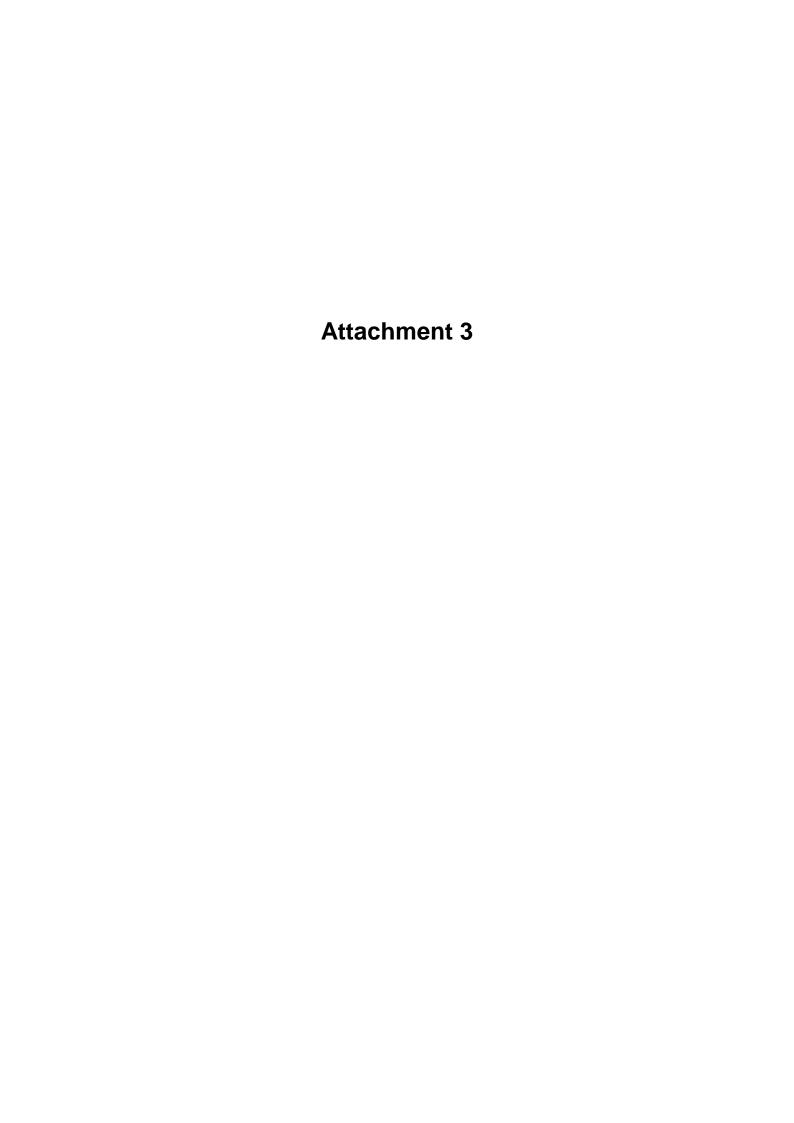








- 1. Air quality observation: Stockpiles and some exposed works areas were observed dry and dusty.
- 1. Contractor's follow-up action: Water spray provided for haul roads in the HY/2013/04 site area. No fugitive dust generation and no air quality site observation was observed.



Wind Data at AMS3C

ern Portion				
		Wind	Wind	
Date	Time	Speed (m/s)	Direction	
30/09/2019	12:00 PM	0.2	SSW	
30/09/2019	1:00 PM	0.1	S	
30/09/2019	2:00 PM	0.2	S	
30/09/2019	3:00 PM	0.3	S	
30/09/2019	4:00 PM	0.4	S	
30/09/2019	5:00 PM	0.5	WSW	
30/09/2019	6:00 PM	0.4	WSW	
30/09/2019	7:00 PM	0.3	WSW	
30/09/2019	8:00 PM	0.4	WSW	
30/09/2019	9:00 PM	0.3	W	
30/09/2019	10:00 PM	0.5	W	
30/09/2019	11:00 PM	0.3	W	
01/10/2019	12:00 AM	0.7	NW	
01/10/2019	1:00 AM	1.1	NW	
01/10/2019	2:00 AM	0.6	NW	
01/10/2019	3:00 AM	0.7	W	
01/10/2019	4:00 AM	0.8	W	
01/10/2019	5:00 AM	0.7	NNW	
01/10/2019	6:00 AM	1.2	NNW	
01/10/2019	7:00 AM	0.4	NW	
01/10/2019	8:00 AM	0.5	NW	
01/10/2019	9:00 AM	0.6	NW	
01/10/2019	10:00 AM	0.6	NW	
01/10/2019	11:00 AM	0.5	W	
01/10/2019	12:00 PM	0.4	W	

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

Date & Time	Wind Speed (km/h)	Wind Speed (m/s)	Wind Direction (degrees)
30/09/2019 12:00	15.5	4.3	293
30/09/2019 13:00	15.1	4.2	262
30/09/2019 14:00	17.6	4.9	285
30/09/2019 15:00	13.3	3.7	252
30/09/2019 16:00	9.7	2.7	262
30/09/2019 17:00	9.4	2.6	250
30/09/2019 18:00	8.3	2.3	250
30/09/2019 19:00	7.2	2.0	243
30/09/2019 20:00	7.6	2.1	200
30/09/2019 21:00	16.6	4.6	224
30/09/2019 22:00	16.2	4.5	223
30/09/2019 23:00	13.3	3.7	217
01/10/2019 00:00	10.8	3.0	222
01/10/2019 01:00	9.0	2.5	197
01/10/2019 02:00	9.4	2.6	216
01/10/2019 03:00	6.8	1.9	204
01/10/2019 04:00	12.2	3.4	220
01/10/2019 05:00	7.6	2.1	202
01/10/2019 06:00	6.5	1.8	194
01/10/2019 07:00	3.2	0.9	variable
01/10/2019 08:00	9.0	2.5	356
01/10/2019 09:00	12.2	3.4	331
01/10/2019 10:00	13.7	3.8	340
01/10/2019 11:00	10.1	2.8	330
01/10/2019 12:00	9.7	2.7	266