

**Agreement No. CE44/2011 (HY)**

**Proposed Road Improvement Works in West Kowloon Reclamation Development – Phase 1 – Investigation, Design and Construction**

**1-hr / 24-hr TSP Air Quality Monitoring**

**Field Operation Data Log Sheet**

Station: \_\_\_\_\_

Sampling Date & Time: From: \_\_\_\_\_ ( : am/pm) Collection Date: \_\_\_\_\_

Operators: \_\_\_\_\_ Weather: Sunny Cloudy Windy Rainy  
 Wind: Strong Mild Calm

High Volume Sampler	Model no.	
	Blower Motor Serial no.	

TSP - Total Suspended Particulates Sampler			
Equipment No.		Set Point	
Slope, m		Intercept. b	
		Initial, I	Final, f
Ambient Pressure (mmHg), Pa			
Ambient Temperature (K), Ta			
Delta (in. of Water), W			
$Y = [ W \times (Pa/760) \times (298/Ta) ]^{1/2}$			
Standard flow, Qstd (m <sup>3</sup> /min) = (Y - b)*0.0283/m			
Elapsed Timer Indicator (Hours), T			
Filter Identification no.			
Weight of Filter (g)			
Weight of Particulate (g)			
Mean Standard Flow, $Qstd_{avg} = (Qstd_i + Qstd_f)/2$			
Total Time, Total Time = (Tf - Ti) x 60			
Standard Volume, $Vstd (m^3) = Qstd_{avg} \times Total\ Time$			
<b>Particulate Concentration (µg/m<sup>3</sup>)</b>			
Observed Construction Activities	Main Construction Site		
	Other Construction Site		

Remarks: \_\_\_\_\_  
 \_\_\_\_\_

Conducted by: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Checked by: \_\_\_\_\_ Signature: \_\_\_\_\_ Date: \_\_\_\_\_

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**Proposed Road Improvement Works in West Kowloon Reclamation Development – Phase 1 –  
Investigation, Design and Construction  
1-hr TSP Air Quality Monitoring**

Field Operation Data Log Sheet

Equipment	Model	Equipment No.	Last Calibration/Due Date
			/

Monitoring Location				
Description of Location				
Sampling Date and Time				
Weather Condition		Sunny / Fine / Cloudy / Windy / Rainy		
Measuring Parameters		TSP		
		1st hour	2nd hour	3rd hour
Count Value				
Count Value ÷ 60 mins x (K Factor: )				
Mass Concentration ( $\mu\text{g}/\text{m}^3$ )				
Site Condition	Main Construction Site			
	Other Construction Site			
Remarks				

	Name	Signature	Date
Recorded By			
Checked By			

Agreement No. CE44/2011 (HY)

**Proposed Road Improvement Works in West Kowloon Reclamation Development – Phase 1 –  
Investigation, Design and Construction  
Noise Monitoring**

Field Record Sheet

Equipment	Model	Equipment No.	Last Calibration/Due Date
			/
			/

Noise Monitoring Period	Before Measurement			After Measurement		
	Noise Level (dB)	Freq. of Signal (KHz)	Display (dB)	Noise Level (dB)	Freq. of Signal (KHz)	Display (dB)
07:00 – 19:00						

Monitoring Location							
Description of Location							
Date of Monitoring							
Weather Condition		Sunny / Cloudy / Rainy					
Measurement Start Time (hh:mm)							
Measurement Time Length (min/hr)							
Measurement Results	Parameter	Measured	Baseline	Actual Construction Noise Level			
	L <sub>eq</sub> dB(A)						
	L <sub>10</sub> dB(A)						
	L <sub>90</sub> dB(A)						
Major Construction Noise Source(s) During Measurement		Excavator / backhoe		Bulldozer			
		Dump truck / lorry		Roller			
		Other, pls specify:					
Other Noise Source(s) During Measurement		Road traffic noise		Air traffic noise			
		Construction noise from other sites (e.g. piling) pls specify:					
Remarks		Façade Measurement / Free Field Measurement					

Note:  
During daytime (0700-1900): 1 no. of L<sub>eq(30-min)</sub>

	Name	Signature	Date
Recorded By			
Checked By			

Remarks: Monitoring should be cancelled if steady wind speed exceeds 5m/s or with gusts exceeding 10m/s