## Appendix F

The QA/QC Procedures and Results

### HIGH VOLUME AIR SAMPLER SITE VISIT LOG SHEET

e Name:	R.E.	Site No.:	Am 1
te of visit:	20-1.	Hour of Visit:	0950
off name:	_ (vi · L	MAK HVAS S/N:	2198
ed filter paper no.:	LR8	New filter paper no.:	LR 84-
pe of filter:	Glass-fib	re	
Ambient Condition	ns		
Temperature, T <sub>a</sub> =	= 273 + 1 292.	$P_a = $ $P_a = $	1023 mb
Correction of man	ometer rea	ding	
Calibration orific	ce No.	Manometer reading corresponds to Q (inch	$Q_{\rm STD} = 40  \text{ft}^3/\text{min}.$
1534(09/200	04)	$\triangle H_a = 18.33(T_{a'}$	$(P_a) = 5.24$
Manometer reading Adjustment of flow Manometer reading Note: Tolerance Limit	v controlle g after cal	er (Y/N): Y	ts for manometer: $\pm 0.2$ inch $H_2O$
General Condition	s of HVA	S	
			, , , , , , , , , , , , , , , , , , , ,
Remarks			

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### HIGH VOLUME AIR SAMPLER SITE VISIT LOG SHEET

ite Name:	E.4	Site No.:	Am 2
ate of visit:	20-1-2015	Hour of Visit:	1055
raff name:	W. L. MAK/HK TSANI		2195
sed filter paper no.:	LR83		LR85
ype of filter:	Glass-fibre	_	
Ambient Condition	ons		
Temperature, T <sub>a</sub>	$= \frac{273 + 18.6 \text{ K}}{291.0} \text{ K}$	Pressure, $P_a = $	025mb
Correction of ma	nometer reading		
Calibration ori	fice No.	Manometer reading at corresponds to Q <sub>STD</sub> (inch H <sub>2</sub> 0	$t=40 \text{ ft}^3/\text{min.}$
1534(09/2	004)	$\triangle H_a = 18.33(T_a/P_a)$	)= 5.20"
	ng before calibration: ow controller (Y/N): ng after calibration: it of HVAS flow: ± 1.0 ft <sup>3</sup>		or manometer: $\pm$ 0.2 inch $H_2O$
. General Condition	ns of HVAS		
. Remarks			

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### PARTISOL TSP SAMPLER SITE VISIT LOG SHEET

Site Name:	AL	Site Number:	4M 3	
Date of Visi	t: <u>20 -1 -05</u>	Hour of Visit:	10:20.	
Staff Name:	H. K. TSANET	Partisol S/N: _	2000 8 2053 00001	
Used Filter	No.: Pc 37	New Filter No	.: <u> </u>	
Ambient ten	nperature: 18.9	Ambient press	eure: 1025	nbi
I. <u>(</u>	General Services			
1	. Replace control unit La	ge In-line Filter	X	-
2	2. Clean the sample inlet h	ead		-
3	3. Clean sample tube			-
4	Clean / Replace pump h	ead	$\vee$	-
4	5. Clean / Replace piston		$\sim$	_
II. 9	Departional Audits (3 months i  Temperature Check (Ambient  19 °C Calib  Before  Pressure Check (Ambient pressure Check (Ambie	temperature $\pm 2^{\circ}$ C)  pration: $\underline{Y}/[\underline{N}]$ are $\pm 20$ mbar)(factor =	After  0.000987)	51)
3.	Before  Flow Check (16.7± 1.1 litre/min)		After	
	Before Calif	oration: Y/N	After 1/min	
III. <u>Ren</u>	<u>narks</u>			
				-
<del>- ,,-</del>				

## MINI VOLUME AIR SAMPLER SITE VISIT LOG SHEET

Site	e Name:	7YV	Site No.:	1944
Dat	te of visit:	10-1-05	Hour of Visit:	11:00
Sta	ff name:	W.LMAK , H.K	INNIVOL S/N:	33 f2
Use	ed filter paper no.:	<u>भूत ३०</u>	New filter paper no.:	MH21
Tyj I.	pe of filter:  Calibration is per	Cellulose / Glas (Delete as approper formed by using Dry		
	5 Sl/min set poin	t is recommended		
	3.2	Before	After After	•
II.	<ol> <li>Clean Ro</li> <li>Clean / re</li> <li>Clean / rg</li> <li>Clean Imp</li> <li>Replace T</li> </ol>	place Pump Valves: place Pump Diaphra paction Inlet: Timer Battery Every	gms:6 months:	
III.	Remarks			

# THE HONGKONG ELECTRIC CO., LTD. LAMMA POWER STATION EXTENSION TEOM 1400A CONTINUOUS DUST MONITOR DATA QUALITY ASSURANCE LOG SHEET

Month: January

Year: 2005

			Reservoir (AM1)		
Date	Frequency (Hz) (230 – 260)	Noise (< 0.1)	Operation Mode (Mode 4)	Main Flow (l/min) (0.94 – 1.06)	Aux. Flow (l/min) (14.67 – 16.67)
1/1/2005	233.63	0.034	4	1.00	15.68
7/1/2005	253.42	0.037	Ų	ده. ا	15-68
13/1/2005	254.09	0.046	Ý	1.00	15.68
19/1/2005	253.67	0.038	4	1.00	15.68
25/1/2005	213.35	0.036	ų	1.00	15-68
31/1/2005	253.21	0.052	4	1.00	15-68

			East Gate (AM2)		
Date	Frequency (Hz) (230 – 250)	Noise (< 0.1)	Operation Mode (Mode 4)	Main Flow (I/min) (0.94 – 1.06)	Aux. Flow (l/min) (14.67 – 16.67)
1/1/2005	245.02	0.039	4	1.00	15-65
7/1/2005	244.41	0.041	4	1.21	15.64
13/1/2005	245.79	0.029	4	0.99	15-65
19/1/2005	245-37	0.048	4	0.99	15.65
25/1/2005	245-05	0.041	4	1.00	15.64
31/1/2005	244.91	0.045	4	0.49	15-66

	***************************************		Ash Lagoon (AM3)		***************************************
Date	Frequency (Hz) (230 – 260)	Noise (< 0.1)	Operation Mode (Mode 4)	Main Flow (l/min) (0.94 – 1.06)	Aux. Flow (l/min) (14.67 – 16.67)
1/1/2005	261.80	0.348	4	1:01	15.68
7/1/2005	261.19	0.029	4	1.01	15-68
13/1/2005	260.66	0.040	4	1.01	15-68
19/1/2005	260.22	0.027	4	1.01	15-68
25/1/2005	262.15	0.040	4	1.01	15-69
31/1/2005	262.05	0.037	4	1.01	15.68

	Maintenanc	e Record	
	Reservoir	East Gate	Ash Lagoon
TEOM Filter Exchange	V	V	✓
Clean TSP Inlet	~	/	V
Replace flow in-line filter			
Pump Repair			
Leak Check			
Flow Audit			
Flow Controller Calibration			
A/C filter cleaning	./		V

Remarks:			
	. 1		

Prepared by:

# THE HONGKONG ELECTRIC CO., LTD. LAMMA POWER STATION EXTENSION NOISE MONITORING STATION SITE VISIT LOG SHEET

Loca	ation Ash Lagoon/Ching Lam*				
Date	14-1-05 Time	10:40.			
Equi	pmentRion NA-27/B&K 2238F* Sound Le	vel Meter			
Seri	al Number00111465/ <del>00111466/00111467/234</del>	3 <del>838/2356907*</del>			
Staf	f Attended <u>W.L.MAK</u> - H.K.TsA	<b>~</b> 6			
	<del></del>				
1.	Calibration				
	Acoustic calibrator used	Rion NC-74			
	Calibration level before adjustment (dB(A))	94.0			
	Calibration level after adjustment (dB(A))	94			
2.	Weather Conditions				
	a. Sunny/fine/cloudy/showery/heavy rain*				
	b. Strong wind/breeze/calm*				
3.	Remark/Observation				

Note: \* - Please delete where inappropriate

# THE HONGKONG ELECTRIC CO., LTD. LAMMA POWER STATION EXTENSION NOISE MONITORING STATION SITE VISIT LOG SHEET

Loca	ocation <u>Ash Lagoo</u> n/Ching Lam*				
Date	e <u>14-1-05</u>	Time	11:20		
Equ.	ipment Rion-NA-2	9√B&K 2238F* Sound Le	vel Meter		
Ser	ial Number <del>00111465/</del>	<del>00111466/00111467/234</del>	<del>3838</del> /2356907*		
Sta	ff Attended	W.L. MAK ; H. k.7s	ANG		
1.	Calibration				
	Acoustic calibrator use	ed	Rion NC-74		
	Calibration level before	re adjustment (dB(A))	94.0		
	Calibration level after	r adjustment (dB(A))	94		
2.	Weather Conditions				
	a. Sunny/fine/cloudy/	showery/heavy rain*			
	b. Strong wind/breeze	∕ <del>calm*</del>			
3.	Remark/Observation				

Note: \* - Please delete where inappropriate

#### **Equipment Calibration Record**

Site: Civil works for 275kV Cable Route from La	amma Island to Cyberport
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RION NC-74

Noise Equipment Used: RION NL-31

Measurement Location: N4 - Pak Kok Tsui No. 2

Calibrator Used:

Date	Calibration Level before Measurement (dB(A))	Calibration Level after Measurement (dB(A))	Calibrated by
04/01/2005	94.0	94.0	Anthony Wong
07/01/2005	94.0	94.0	Anthony Wong
11/01/2005	94.0	94.0	Anthony Wong
14/01/2005	94.0	94.0	Anthony Wong
18/01/2005	94.0	94.0	Anthony Wong
21/01/2005	94.0	94.0	Anthony Wong
25/01/2005	94.0	94.0	Anthony Wong
28/01/2005	94.0	94.0	Anthony Wong

Measurement Location: N5 - Pak Kok Tsui No. 8

Date	Calibration Level before Measurement (dB(A))	Calibration Level after Measurement (dB(A))	Calibrated by
04/01/2005	94.0	94.0	Anthony Wong
07/01/2005	94.0	94.0	Anthony Wong
11/01/2005	94.0	94.0	Anthony Wong
14/01/2005	94.0	94.0	Anthony Wong
18/01/2005	94.0	94.0	Anthony Wong
21/01/2005	94.0	94.0	Anthony Wong
25/01/2005	94.0	94.0	Anthony Wong
28/01/2005	94.0	94.0	Anthony Wong

Note: Measurement accepted as valid only if the calibration levels from before and after the noise measurement agreed to within 1.0 dB.