

Acoustics Monitoring Sheet

Project Title MVV EfW CHP facility

Date 20.11.14

Work Stage Out of Hours Internal Working and NDT

Operator DE

Location Ref. R3

Start Time 18:40

Location Address Savage Road

Stop Time 19:10

Equipment set up

SLM	SLM serial no		Mic Serial no	
1	B&K 2238	✓		

Calibrator	Cal serial no.	
B&K 4231		✓

Equipment checklist		
Check date and time		✓
Wind shield correction		✓
Correction set to frontal		✓
Logging period	5min	✓
Available memory		✓
Battery voltage		✓
Internal battery removed		x
Mic height above ground	1.5	✓
Distance from façade/Free Field	F	✓

System calibration check	
Calibration level at start	93.4
Calibration level at end	93.4
Lowest Noise Level*	25

**To check lowest noise leave the calibrator on the microphone and switch off the calibrator. Wait until settled (ideal <30dB). If possible use a dummy microphone.*

Set up checked

Signed:

Equipment performance OK?	
start:	✓
end:	✓

Weather Conditions	Start	End
Wind Speed	0.5ms	0.5ms
Wind Direction *	SW	SW
Cloud cover (in 1/8ths)	8/8	8/8
Temperature	10	10
Other notes		

ms ⁻¹	mph	Description	Effects
0.0-0.4	0-1	Calm	smoke rises vertically
0.4-1.3	1-3	Light air	smoke drifts in wind
1.8-3.1	4-7	Light Breeze	leaves rustle/wind felt on face
3.6-5.0	8-11	Gentle Breeze	small twigs in constant motion
5.0+	11.2+	DO NOT MEASURE ABOVE THIS SPEED	

Subjective Assessment of Noise Environment

Dominant Noise:
 Road traffic - Wolseley Road, Savage Road
 Residents walking past and talking

Naval Base - Auxillary engines of ships docked at Weston Mill

Secondary Noise:

Additional Notes (record any information pertinent to the measured noise levels)

BREAKDOWN OF RESULTS - 5 Minute Periods					
Start time	Duration	LAeq (dB)	LAFmax (dB)	LAF90 (dB)	Notes
20/11/2014 18:40	05:00.0	51.3	72.2	47.5	
20/11/2014 18:45	05:00.0	52.9	67.8	48	
20/11/2014 18:50	05:00.0	52.1	65.5	47	
20/11/2014 18:55	05:00.0	52.5	64.4	46.5	
20/11/2014 19:00	05:00.0	50.7	66.4	48	
20/11/2014 19:05	05:00.0	53.3	70.2	46.5	
		52	72		

RESULTS

		F.F	FAÇADE
Measured LAeq	mins		52

Estimated LAeq,1hr (adjusted to account for extraneous off-site noise sources) (FAÇADE)	52
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Measured L.Amax,fast			72
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Maximum Permitted Noise Level, LAeq,1hr (FAÇADE) *	56
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* BASELINE NOISE LEVELS AND NOISE LIMITS FOR INTERNAL WORKING				
Location	Time	Ambient LAeq,4hr (dB)		Noise Limits LAeq,1hr dB
		<i>Free Field</i>	<i>Façade</i>	<i>Façade</i>
R3 (Savage Road)	Weekend	-	54	59
	Weekday	-	51	56
R15 (Talbot Gardens)	Weekend	-	45	50
	Weekday	-	43	48
Cardinal Ave	Weekend	51	54	59
	Weekday	48	51	56

BREACH OF NOISE LEVEL
Cause:
Action to be Taken: