

Acoustics Monitoring Sheet

Project Title MVV EfW CHP facility

Date 16.10.14

Work Stage Out of Hours Internal Working and NDT

Operator DE

Location Ref. R3

Start Time 19:41

Location Address Savage Road

Stop Time 20:26

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*	25.2

**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	2.5ms	2.5ms
Wind Direction *	SW	SW
Cloud cover (in 1/8ths)	8/8	8/8
Temperature	14	14
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 (roads wet)
 Residents walking past and talking

Naval Base - Auxillary engines of ships docked at Weston Mill

Secondary Noise:
 Leaves rustling in the wind
 Water dripping down adjacent drain pipe

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

No Site noise noticeable at receptor
 Thunder storm preceding measurement

Acoustics Monitoring Sheet - Calculations

Site: Savage Road

Date: 16.10.14

Meter: B&K 2238

BREAKDOWN OF RESULTS - 5 Minute Periods					
Start time	Duration	LAeq (dB)	LAFmax (dB)	LAF90 (dB)	Notes
08/10/2014 19:41	05:00.0	50.8	63.3	48	
08/10/2014 19:46	05:00.0	52.9	77.4	47.5	
08/10/2014 19:51	05:00.0	53.1	70.3	46.5	
08/10/2014 19:56	05:00.0	52.7	67.6	46.5	
08/10/2014 20:01	05:00.0	51.4	65.5	46	
08/10/2014 20:06	05:00.0	50.9	67.5	46.5	
08/10/2014 20:11	05:00.0	53.3	69.9	46.5	
08/10/2014 20:16	05:00.0	51.6	65.7	45.5	
08/10/2014 20:21	05:00.0	52.3	65.7	45.5	
		52	77		

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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		F.F	FAÇADE
Measured L _{Amax} ,fast			77

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
		Free Field	Façade	Façade
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:	