

## Acoustics Monitoring Sheet

**Project Title** MVV EfW CHP facility

**Date** 15.12.14

**Work Stage** Out of Hours Internal Working

**Operator** DE

**Location Ref.** R3

**Start Time** 18:39

**Location Address** Savage Road

**Stop Time** 19:14

**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	93.3
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	0.1ms	0.1ms
Wind Direction *	NW	NW
Cloud cover (in 1/8ths)	8/8	8/8
Temperature	7	7
Other notes	Foggy	Foggy

ms <sup>-1</sup>	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+	<b>11.2+</b>	<b>DO NOT MEASURE ABOVE THIS SPEED</b>	

**Subjective Assessment of Noise Environment**

**Dominant Noise:**

Road traffic - Wolsley Road, Savage Road  
Residents walking past and talking

**Secondary Noise:**

Site Noise - occasional quiet clunking noise noticed on two occasions  
Trains  
Naval Base - Loudspeaker Announcement

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

Light rain/drizzle during measurement - 18:49-19:05





## Acoustics Monitoring Sheet - Calculations

Site: Savage Road  
 Date: 15.12.14  
 Meter: B&K 2238

BREAKDOWN OF RESULTS - 5 Minute Periods					
Start time	Duration	LAeq (dB)	LAFmax (dB)	LAF90 (dB)	Notes
15/12/2014 18:39	05:00.0	51.1	65.6	42	
15/12/2014 18:44	05:00.0	51.1	63.7	41.5	
15/12/2014 18:49	05:00.0	54.8	85	42	LAFmax due to noise from surveyor
15/12/2014 18:54	05:00.0	51	64.6	41.5	
15/12/2014 18:59	05:00.0	51.3	66.9	43	
15/12/2014 19:04	05:00.0	57.7	77.1	44	
15/12/2014 19:09	05:00.0	48.9	65.7	44	
		<b>54</b>	<b>85</b>		

### RESULTS

		F.F	FAÇADE
Measured LAeq	mins		54

Estimated LAeq,1hr (adjusted to account for extraneous off-site noise sources) (FAÇADE)	54
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Measured L <sub>Amax</sub> ,fast			85
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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		Noise Limits LAeq,1hr dB
		Free Field	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: