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Acoustics Monitoring Sheet

Project Title	MVV EfW CHP facility	**Date**	03.12.14
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	*93.3*
Calibration level at end	93.3
Lowest Noise Level*	22

**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 *	N	N
Cloud cover (in 1/8ths)	2/8	2/8
Temperature	4	4
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 - General background noise

Secondary Noise:

Trains

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

No site noise was noticeable

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Acoustics Monitoring Sheet

Site: Savage Road
Date: 03.12.14
Meter: B&K 2238

Note specific events affecting measurements					
Time	Event	$L_{AFinstant}$		Site/Other	Notes
18:59	Resdient passing SLM and talking to surveyor			Other	
19:04	Resident entering building			Other	
19:04	Resdient passing SLM			Other	
19:07	Resident leaving building			Other	
19:09	Distant emergency siren			Other	

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Acoustics Monitoring Sheet - Calculations

Site: Savage Road
Date: 03.12.14
Meter: B&K 2238

BREAKDOWN OF RESULTS - 5 Minute Periods

Start time	Duration	LAeq (dB)	LAFmax (dB)	LAF90 (dB)	Notes
03/12/2014 18:40	05:00.0	49.1	61.7	47	
03/12/2014 18:45	05:00.0	49.6	62.4	46	
03/12/2014 18:50	05:00.0	51.4	66.7	46	
03/12/2014 18:55	05:00.0	53.1	76.2	46.5	
03/12/2014 19:00	05:00.0	49.4	62.1	46	
03/12/2014 19:05	05:00.0	51.2	63	46	
		51	**76**		

RESULTS

		F.F	FAÇADE
Measured LAeq	**mins**		51
Measured LAmax,fast			76

Estimated LAeq,1hr (adjusted to account for extraneousoff-site noise sources) (FAÇADE)	**51**
Maximum Permitted Noise Level, LAeq,1hr (FAÇADE) *	**56**

*** 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: