URS

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.	R15	**Start Time**	18:01
Location Address	Talbot Gardens	**Stop Time**	18:31

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:

Naval Base - Auxillary engines of ships docked at Weston Mill

Road traffic - Wolseley Road, Savage Road, Talbot Gardens

Resident noise

Secondary Noise:

Trains

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

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Acoustics Monitoring Sheet

Site: Talbot Gardens
Date: 20.11.14
Meter: B&K 2238

Note specific events affecting measurements					
Time	Event	$L_{AFinstant}$		Site/Other	Notes
18:25-30	Residential noise from flat besdies SLM			Other	

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Acoustics Monitoring Sheet - Calculations

Site: Talbot Gardens
Date: 20.11.14
Meter: B&K 2238

BREAKDOWN OF RESULTS - 5 Minute Periods

Start time	Duration	LAeq (dB)	LAFmax (dB)	LAF90 (dB)	Notes
20/11/2014 18:01	05:00.0	45.9	60.2	42.5	
20/11/2014 18:06	05:00.0	45.4	60.8	42.5	
20/11/2014 18:11	05:00.0	45.5	57.3	43	
20/11/2014 18:16	05:00.0	43.5	57.8	42	
20/11/2014 18:21	05:00.0	45.4	62.5	43	
20/11/2014 18:26	05:00.0	45.7	70	42	
		45	**70**		

RESULTS

		F.F	FAÇADE
Measured LAeq	**mins**		45
Measured LAmax,fast			70

Estimated LAeq,1hr (adjusted to account for extraneousoff-site noise sources) (FAÇADE)	**45**
Maximum Permitted Noise Level, LAeq,1hr (FAÇADE) *	**48**

*** 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: