URS

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.	R15	**Start Time**	18:20
Location Address	Talbot Gardens	**Stop Time**	19:05

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	1.3	✓
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	1ms	`
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:

Naval Base - Auxillary engines of ships docked at Weston Mill

Road traffic - Wolseley Road, Savage Road, Talbot Gardens

Secondary Noise:

Leaves rustling in the wind

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

No Site noise noticeable at receptor

Thunder storm preceding measurement

URS

Acoustics Monitoring Sheet

Site: Talbot Gardens
Date: 16.10.14
Meter: B&K 2238

Note specific events affecting measurements					
Time	Event	$L_{AFinstant}$		Site/Other	Notes
18:29	Clanging from Naval Base			Other	
18:29	Talking pedestrians in Blackie Woods			Other	

URS

Acoustics Monitoring Sheet - Calculations

Site: Talbot Gardens
Date: 16.10.14
Meter: B&K 2238

BREAKDOWN OF RESULTS - 5 Minute Periods

Start time	Duration	LAeq (dB)	LAFmax (dB)	LAF90 (dB)	Notes
16/10/2014 18:20	05:00.0	45.5	58.8	43	
16/10/2014 18:25	05:00.0	44.9	53.5	42.5	
16/10/2014 18:30	05:00.0	44.8	55.9	42.5	
16/10/2014 18:35	05:00.0	45.2	53.6	43	
16/10/2014 18:40	05:00.0	48.3	62.3	42.5	
16/10/2014 18:45	05:00.0	44.1	49.9	42	
16/10/2014 18:50	05:00.0	44.5	56.2	41	
16/10/2014 18:55	05:00.0	43.6	55.4	41	
16/10/2014 19:00	05:00.0	46	58.1	42	
		45	**62**		

RESULTS

		F.F	FAÇADE
Measured LAeq	**mins**		45
Measured LAmax,fast			62

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: