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Acoustics Monitoring Sheet

Project Title	MVV EfW CHP facility	**Date**	15.12.14
Work Stage	Out of Hours Internal Working	**Operator**	DE
Location Ref.		**Start Time**	19:25
Location Address	Cardinal Ave	**Stop Time**	19:55

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	FF	✓

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	0.5ms	0.5ms
Wind Direction *	NW	NW
Cloud cover (in 1/8ths)	8/8	8/8
Temperature	7	7
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, Cardinal Ave

Pedestrains passing SLM and talking

Secondary Noise:

Trains

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

No site noise noticeable

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Acoustics Monitoring Sheet

Site: Cardinal Ave
Date: 15.12.14
Meter: B&K 2238

Note specific events affecting measurements					
Time	Event	$L_{AFinstant}$		Site/Other	Notes
19:32	Train			Other	
19:32	Car turning in the road near SLM			Other	
19:35-36	Pedestrains standing in front of SLM talking			Other	
19:50	Pedestrains passing SLM talking			Other	

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Acoustics Monitoring Sheet - Calculations

Site: Cardinal Ave
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 19:25	05:00.0	41.6	65.2	39	
12/12/2014 19:30	05:00.0	49.2	67	39	
09/12/2014 19:35	05:00.0	53.1	70	39.5	
06/12/2014 19:40	05:00.0	41.2	51.2	39.5	
03/12/2014 19:45	05:00.0	48	71.9	39.5	
30/11/2014 19:50	05:00.0	40.4	52.6	38	
		48	**72**		

RESULTS

		F.F	FAÇADE
Measured LAeq	**mins**	48	51
Measured LAmax,fast		72	75

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: