

Project Title MVV EfW CHP facility

Date 26.02.15

Work Stage Commissioning - Steam Blowing

Operator DE

Location Ref. N/A

Start Time 13:42

Location Address Football Pitch- Corner of Poole Park Road and Savage Road

Stop Time 13:52

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	1min	✓
Available memory		✓
Battery voltage		✓
Internal battery removed		x
Mic height above ground	1.5	✓
Distance from façade/Free Field	FF	✓

System calibration check	
Calibration level at start	93.3
Calibration level at end	93.3
Lowest Noise Level*	33.1

**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	2.0ms	2.0ms
Wind Direction *	N	N
Cloud cover (in 1/8ths)	5/8th	4/8th
Temperature	9oC	9oC
Other notes	Some strong gusts	

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 - Savage Road and Poole Park Road
Humming noise from the facility

Steam blowing- quiet rushing of air noise

Secondary Noise:

Trains

Pedestrians

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

Steam blowing noise monitoring

Noise from steam blowing was insignificant and not above background noise.
Were steam not visible I don't believe it would have been noticeable to residents

Limitation - Northerly wind

Site: Football Pitch
 Date: 26.02.15
 Meter: B&K 2238

BREAKDOWN OF RESULTS - 5 Minute Periods					
Start time	Duration	LAeq (dB)	LAFmax (dB)	LAF90 (dB)	Notes
26/02/2015 13:42	01:00.0	54.2	64.6	51	
26/02/2015 13:43	01:00.0	51.7	56.1	50.5	
26/02/2015 13:44	01:00.0	54.9	63.6	52	
26/02/2015 13:45	01:00.0	53.7	66.2	50.5	
26/02/2015 13:46	01:00.0	52.3	57.3	49.5	
26/02/2015 13:47	01:00.0	50.8	53.1	49.5	
26/02/2015 13:48	01:00.0	51.9	56.7	49.5	
26/02/2015 13:49	01:00.0	52.2	55.9	50.5	
26/02/2015 13:50	01:00.0	61.7	73	51	Emergency siren on Wolseley Road - Data removed
26/02/2015 13:51	01:00.0	57.7	70.9	51	Emergency siren on Wolseley Road - Data removed
		53	66		

RESULTS

Estimated LAeq,1hr (adjusted to account for extraneous off-site noise sources) (Free-Field)	53
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