SITE AIR TEST CERTIFICATE

APEC ENVIRONMENTAL

Email: info@apecuk.com Web: www.apecuk.com

9 Telford Court, Dunkirk Lea, Chester Gates, Chester, CH1 6LT. Tel: 01244 851753 Fax: 01244 851752

UKAS TESTING 2136

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Site Air Test Certificate Ref:	ST/23/9/5/AA1	Date of Issue:	05/09/2023	Page 1 of 4

Note: Inspection undertaken in accordance with APEC in-house Methods QCRF2, OH1 and OH2, based on the HSE publication HSG 248 'The Analysts Guide'

Site:	Client:	Contractor:
87 Rochdale Road Manchester Lancashire M4 4HY	Chartrange Chartrange Wharf Street Dukinfield Cheshire SK16 4NJ	Chartrange Chartrange Wharf Street Dukinfield Cheshire SK16 4NJ
Contact: NA	**Contact:** James Kennedy	**Contact:** N/A

Samples taken by (APEC)

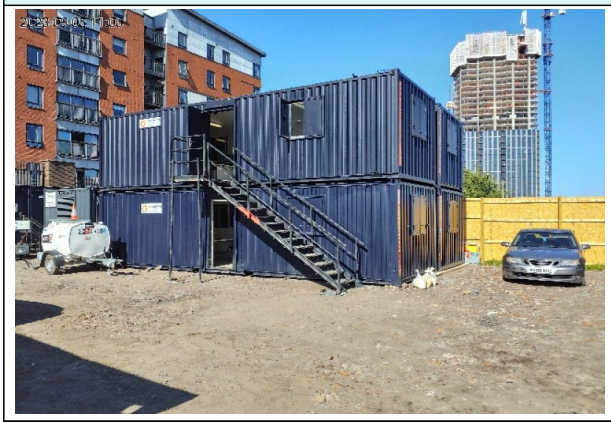
Analyst	Andy Alker	Signed by (APEC)		Date	05/09/2023

Air Testing

Purpose of Test

Far-Source Sampling	X	Near-Source sampling		Leak Test		Background Test		Reassurance Test	

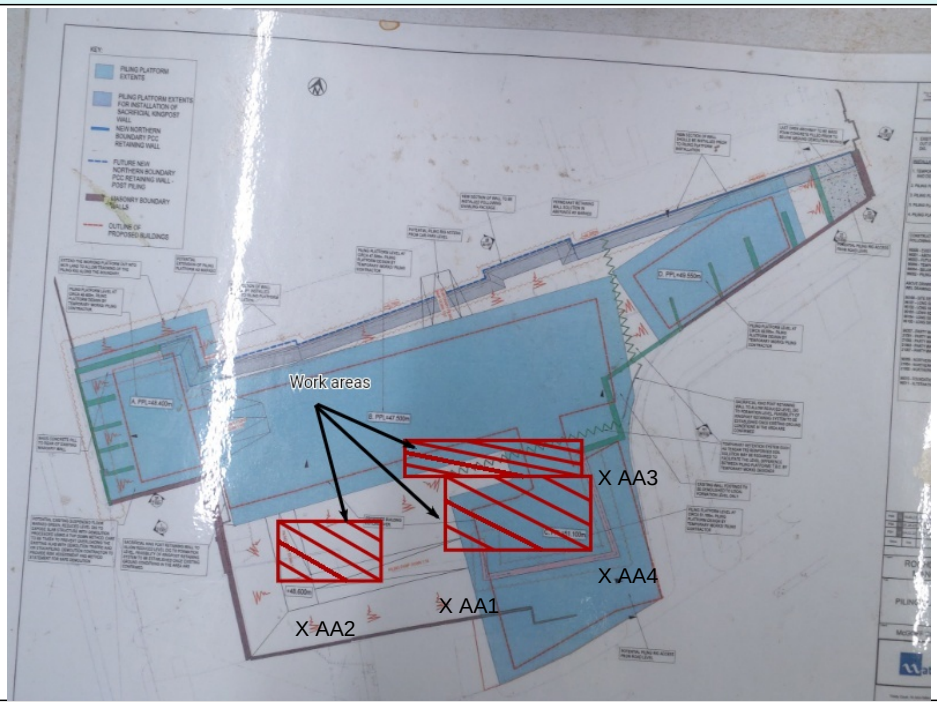
Site Photograph and Additional Site Information



Area Assessed:	Site perimeter
Description of reason for test (including the nature and extent of ACMs removed):	Far source airtest during ongoing ground works on the Rochdale Road site

Site Specific Risk Assessment:	Project Information Sheet (if used):
RA/23/9/5/AA1	NA

Sample Area Layout Plan



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Air Test Summary

Field Blank No.	23/9/A/5/AA5	Fibres	-	Fields	-	Head No.	17E

Sample Number	Sample Location and Description	Sample Volume (l)	Fibres	Fields	Calculated Concentration (f/ml)	Reported Concentration (f/ml)	Limit of Quantification (f/ml)
23/9/A/5/AA1	Site perimeter	960	2	200	0.001	<0.005	0.005
23/9/A/5/AA2	Site perimeter	960	1	200	0	<0.005	0.005
23/9/A/5/AA3	Site perimeter	960	1½	200	0	<0.005	0.005
23/9/A/5/AA4	Site perimeter	960	2	200	0.001	<0.005	0.005
-	-	-	-	-	-	-	-
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The calculated result is derived from the formula published in HSG 248, The Analysts Guide; $C = 1000\ N\ D^2 / V\ n\ d^2$, where:
N = Number of fibres counted; **D** = Diameter of exposed filter area; **V** = Collected volume of sample; **n** = number of fields counted;
d = measured diameter of Walton Beckett graticule

Analysts' Comments (Opinions expressed are outside of the scope of our UKAS accreditation)

Ground slightly wet; dry sunny day; no breeze;

Findings of Testing and Analysis

The measured respirable airborne fibre concentrations are below the limit of quantification and no remedial measures are considered necessary	✓
One or more of the measured respirable airborne fibre concentrations are elevated and remedial measures have been advised to the client or contractor representative	

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Photographs

Photograph 1

Photograph 2

Photograph 3

Photograph 4

Sampling pump (sample ref: 23/9/A/5/AA1)

Sampling pump (sample ref: 23/9/A/5/AA2)

Sampling pump (sample ref: 23/9/A/5/AA3)

Sampling pump (sample ref: 23/9/A/5/AA4)

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Contact: N/A	**Contact:** James Kennedy	**Contact:** N/A

Appendix 1 - Additional Air Test Information

Notes:

1. This information supplements the air test results in the Air Test Certificate and is only valid in conjunction with those results.
2. Temperature is recorded in **Kelvin (K)**, Pressure is recorded in **mmHg**, Flowrates are recorded in **litres per minute (l/min)**, Sample volume is recorded in **litres**
3. Interim flow checks are only carried out where the overall sample period exceeds approximately 1 hour
4. All testing and analysis is undertaken with reference to APEC' task specific risk assessments TRA 01 and TRA 02
5. Analysis has been undertaken in accordance with methods described in HSG248, The Analysts guide. The reported results are based on a count of all respirable fibres sampled.

APEC Analytical Equipment

Flow Meter	FM48	**Barometer**	N/A	**Thermometer**	N/A	**Stop Watch**	SW18	**Effective filter diameter (mm)**	22.60
Stage Micrometer No	SM19	**Measured Graticule dia.**	100	**HSE / NPL Test Slide No.**	PC22	**No. of bands seen**	5	**Microscope Number**	M10
Samples counted by (APEC Analyst)	Andy Alker	**Signed**		**Date Analysed**	05/09/2023	**Analysis Location (Site / Lab)**	Site		
Test Protocol:	**6S (Far-source monitoring**					**Checked by:**	N/A		
Suitability of Counting Location	**Location assessed and adequate (if not record details in Analyst Comments)**	✓	**Counting Location (describe)**	Onsite welfare cabin					

Sample Number	Pump No.	Head No.	Temp	Pressure	Start Flow	Start Time	Interim Flow	Interim Time	End Flow	End Time
23/9/A/5/AA1	JT2238	17A	N/A	N/A	8.0	09:30	8.0	10:30	8.0	11:30
23/9/A/5/AA2	JT2239	17B	N/A	N/A	8.0	09:32	8.0	10:32	8.0	11:32
23/9/A/5/AA3	JT2240	17C	N/A	N/A	8.0	09:34	8.0	10:34	8.0	11:34
23/9/A/5/AA4	JT2241	17D	N/A	N/A	8.0	09:35	8.0	10:35	8.0	11:35
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Analysts in Training

To be signed off by the lead analyst where the analyst carrying out the inspection and testing is working under supervision as part of training.

Trainer / Lead		~~**Signed by (APEC)**~~		~~**Date:**~~	
~~**Trainee**~~		~~**Signed by (APEC)**~~		~~**Date:**~~	