



Essex Asbestos Testing Ltd

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8007

PERSONAL MONITORING CERTIFICATE

Report No: F/23/1268-1

Date on Site: 12.09.2023

Time on site: 0700 hours

Technician: Ian Elder

Contractor's name and address: Horizon Environmental Ltd, Ovendon House, Willcox Close, Aylesham, Kent CT3 3EP
Site supervisor: M. Holder

Site address: Former Holloway Prison, Parkhurst Road, London. N7 ONU

Location on site: Construction area and adjacent

Type and extent of work being carried out: Transferring concrete crush pile to another location

Type of RPE worn: None

Type of ACM worked with: AIB / Cement / Thermal insulation

Application (Personal Sampling)	Sampling Rate (L/min)	Minimum volume of air to be sampled (litres)	Minimum number of graticule areas to be examined	Calculated airborne fibre concentration at the limit of quantification	Mark 'X' in applicable box
4 Hour control limit	1-2	240	100	0.04	
10 Minute short term exposure limit	4	40	100	0.24	
Assessment of suitability of RPE	0.2-4	40	100	0.24	
Specific short-duration activities	2-4	120	100	0.08	X

General control measures in use (Mark 'X' in applicable box)

Enclosure under negative pressure Partial enclosure Work area only (no enclosure)

Activity record for personal sampling period

Insert actual work activities and methods of removal witnessed. Include details of how the ACM is fixed (eg. if AIB, is it screwed / nailed to timber structure and is there a void to rear), approximate size, surface treatment (eg. if painted). Include details of the specific dust suppression and control measures employed. Provide relevant photos when requested by customer. (Mark with 'X' in applicable dust suppression method employed boxes)

1 Loading concrete crush onto dumper truck. Operative was driving the excavator machine. Spraying carried out continuously.

Dust suppression method employed: Injection Spraying Gel/Foam Shadow vacuum Other

2

Dust suppression method employed: Injection Spraying Gel/Foam Shadow vacuum Other

3

Dust suppression method employed: Injection Spraying Gel/Foam Shadow vacuum Other

4

Dust suppression method employed: Injection Spraying Gel/Foam Shadow vacuum Other

Activity	A Fibre concentration (f/ml) (Reported result)	B Sampling duration (expressed in hours)	C (A x B)
1	0.012	3.22	0.039
2			
3			
4			
Sum total		3.22	0.039

Result expressed as time weighted average (TWA) = Sum total of C ÷ Sum total of B

0.012

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Technical Details					
Microscope No:	MIC4	Filter batch No:	411	Low flow meter No:	LFM5
Phase telescope No:	PT2	Microscope set-up:	Yes	High flow meter No:	MFM5
NPL test slide No:	NPL4	Number of NPL blocks visible:	5	Flow rate correction required:	No
Stage micrometer No:	SM4	Graticule diameter (µm):	101	Exposed filter measurement (mm²):	394.48
Bar/Ther/Timepiece No:	BTT4	Lab type:	Mobile	Reg No:	YH68 HMJ

Activity Number	Sample Number	Sampler Initials	Analyst	Pump No.	Cowl No.	Start Time	Finish Time	Duration (mins)	Flow Rate (l/min)						Volume Litres
									Start	60	120	180	240	Finish	
1	S001	IE	IE	LFP15	B7	1002	1315	193	2.0	2.0	2.0			2.0	386
							END								

Activity number	Sample number	Name of person / Job title	No of fibres counted	No of fields counted	No of fields rejected	Calculated result f/ml	* Limit of quantification f/ml	Reported result f/ml
1	S001	A. Sherwood / Machine driver	2	200	0	0.001	0.012	< 0.012
			END					

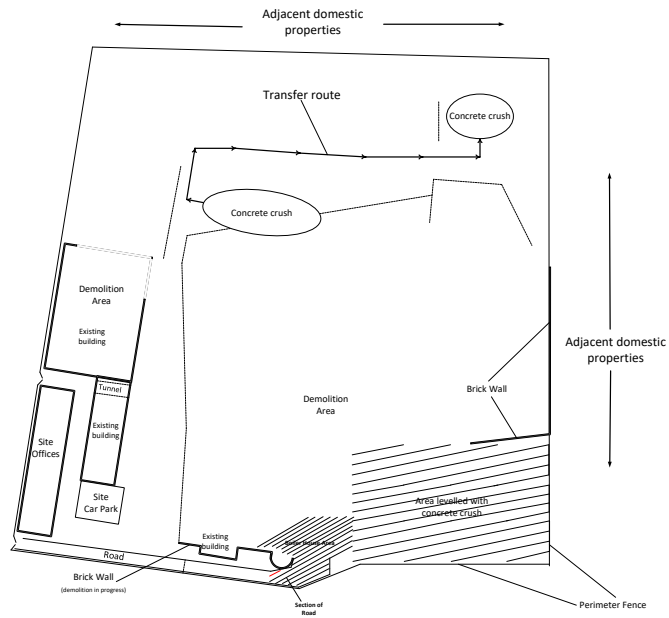
We hereby declare that all sampling and analysis was carried out in accordance with HSE Guidance note HSG 248: The Analyst Guide and Essex Asbestos Testing Ltd in-house procedures. Any deviations from this are recorded within this certificate.

Note. *Uncertainty of measurement.

The lower limit of quantification for the above method is stated in HSG 248 as about 0.01 f/ml, when sample volumes ≥ 480 litres of air are collected and 200 graticule areas examined, a calculated result below the limit may be expressed as <0.01 f/ml. For sample volumes < 480 litres and/or <200 graticule areas examined the lower limit of quantification will be higher. The reported result is for respirable fibres only.

Layout diagram of work location

Approximate floor area = N/A (m²) Drawing is not to scale Approximate volume = N/A (m³)



Comments: Air test result was satisfactory

Opinions and interpretations contained in this report are clearly marked and are outside the scope of Essex Asbestos Testing's UKAS accreditation

Issued by (Print Name): Ian Elder

Signature:

Date: 12.09.2023