## PERSONAL MONITORING

| | | | |
|---|---|---|---|
| **Certificate Reference:** | J133380/DT02 | **Client Order No. (if applicable):** | To Follow |
| **Sampling Date:** | 20 Sep 2023 | **Time Arrived on Site:** | 08:30 |
| **Client Name and Address:** | Horizon Environmental, Wilcox Close, Aylesham Industrial Estate, Aylesham, Kent, CT3 3EP | | |
| **Site Address:** | St. Cuthberts Mill Ltd, St. Cuthberts Paper Mill, Haybridge, Wells, Somerset, BA5 1AG | | |
| **Location of Work Area:** | Old Boiler House - Areas 1.02 & 1.03 Right Side Enclosure - Third Floor | | |
| **Removal Contractor:** | Horizon Environmental, Wilcox Close, Aylesham Industrial Estate, Aylesham, Kent, CT3 3EP | | |
| **Sampling Officer:** | Jim Scholes | **Fibre Counting Analyst:** | Jim Scholes |

## DETAILS OF WORK

| | |
|---|---|
| **Personal Monitoring of:** | N/A |
| **Reason for Sampling:** | High flow air monitoring conducted to check the effectiveness of gel wrap and cut technique. |
| **Work Activity During Sampling:** | High flow air monitoring conducted during the removal of asbestos insulation to pipework via gel wrap and cut technique. |
| **Type of Material:** | Asbestos insulation |
| **Type of Asbestos (if known):** | Chrysotile (white asbestos), Amosite (brown asbestos) & Crocidolite (blue asbestos) |

Sampling carried out by our own officers follows the procedures documented in our internal method M4 – The Sampling of Air, by Personal and Static Means, for Analysis to Determine the Airborne Asbestos Fibre Concentrations. Analysis has been carried out in accordance with our internal method M1 – The Measurement of Asbestos Fibre Concentrations, in Air, by Light Microscopy. Both these internal methods follow the standard methods as outlined in the HSE publication 'Asbestos: The analysts' guide for sampling, analysis and clearance procedures' (HSG248). The uncertainty of measurement for the procedures carried out has been calculated and shown to be within the required parameters of HSG 248. Full details of the assessment carried out is documented in our internal methods which are available on request. Any deviations from these standard methods are detailed above.

No responsibility is taken for sampling that is not carried out by our own officers. Opinions and interpretations expressed herein are outside the scope of our UKAS accreditation. This test report shall not be reproduced, except in full, without the written permission of the laboratory.

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## AIR MONITORING TABLE

| Site Ref No | Laboratory Ref No | Pump No | Sampling Period | | Flow Rate | | Volume (litres) (V) | No of Graticule areas (n) | Fibres (N) | Concen-tration Fibres/ml | Reported Result fibres/ml | LoQ |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Start End | Total (Mins) | Start End | Total (L/min) | | | | | | |
| 1 | DT002237 | GL2816 | 09:37<br>10:22 | 45 | 15.2<br>15.2 | 15.2 | 684 | 200 | 44 | 0.0156 | 0.02 | 0.007 |
| 2 | DT002238 | GL2735 | 09:37<br>10:22 | 45 | 15.2<br>15.2 | 15.2 | 684 | 200 | 61 | 0.0216 | 0.02 | 0.007 |

The quantitative measurement of the fibres present within an air sample is referred to as the airborne respirable fibre concentration. The reported result is therefore for all respirable fibres and not limited to asbestos fibres only.

| | | | |
|---|---|---|---|
| **Site Temp:** | 17.3°C | **Analysis Location:** | OY22 SOC |
| **Site Pressure:** | N/A | **Slides Stored In Slide Box No:** | SBX136 |
| **Exposed Filter Diameter (D):** | 22.0mm | **Flowmeter Correction Factor:** | N/A |
| **Walton Beckett Graticule (d):** | 100µm | **5th Line of HSE / NPL Test Slide Observed:** | Yes |

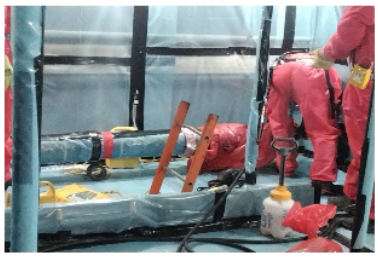
**Comments:**

During time of air test, 5 areas of horizontal asbestos insulated pipe were cut through using the gel wrap and cut method. The gel bag was wrapped around the pipe, before being cut through using a reciprocating saw. Once cut through, the loose sections of pipework were bagged/wrapped up using asbestos waste bags. Following the cuts, any loose debris was being cleaned up using a H-type vac.

## PHOTOGRAPHS

Sampling Pump 1

Sampling Pump 2


During Bagging of Pipe

During Cutting of Pipe

During Cutting of Pipe

During Cutting of Pipe

## PERSONAL MONITORING RESULT

Personal monitoring has been carried out to determine the airborne fibre levels produced during the specific activity being monitored. The fibre levels are detailed in the table on page 2 of this report. This information may be used to determine whether the current methods of work are suitable or if any adjustments need to be made to reduce the level of fibre release during the work activity. If you need specific advice on the results obtained please contact G&L Consultancy Ltd.

| | | | |
|---|---|---|---|
| **Analyst:** | Jim Scholes | **Signed:** | |
| **Date:** | 20 Sep 2023 | **Time:** | 13:36 |
| **Report Received by:** | Lee Woodward | **Signed:** | |

## PERSONAL MONITORING - SUMMARY CERTIFICATE

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## DETAILS OF WORK

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## PERSONAL MONITORING RESULT

Personal monitoring has been carried out to determine the airborne fibre levels produced during the specific activity being monitored. The fibre levels are detailed in the table on page 2 of the full report. This information may be used to determine whether the current methods of work are suitable or if any adjustments need to be made to reduce the level of fibre release during the work activity. If you need specific advice on the results obtained please contact G&L Consultancy Ltd. Sampling has been carried out follows our internal methods M1 and M4. Please refer to the full report for further details.

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|---|---|---|---|
| **Analyst:** | Jim Scholes | **Signed:** | |
| **Date:** | 20 Sep 2023 | **Time:** | 13:36 |
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