



ENVIROCHEM

Analytical Laboratories Ltd

12 The Gardens, Broadcut, Fareham
Hampshire. PO16 8SS

Fibre Counting Report



1227

Tel: (01329) 287777
Fax: (01329) 287755

CLIENT: Homes and Communities Agency

SITE ADDRESS: HMS Daedalus, Broom Way, Lee-on-Solent, PO13 9YA

Our Ref: J113338FC3

Your Ref:

SAMPLING PROTOCOL: Personal

SAMPLED BY: [REDACTED]

ANALYSED BY (if different):

DATE OF SAMPLING: 13/01/17

DATE OF ANALYSIS (if different):

Filter No.	Pump	Head	Location	Time on	Time off	Flow (litres/min)			Volume (V) litres	Grats (n)	Fibres (N)	Calculation fibres/ml	Reported result fibres/ml
						Flow (start)	Flow (finish)	Flow (used)					
FC3	AP1	RC17	Attached to 1 Titterton during the removal of panel from doors in building 88.	11:13	12:13	2.0	2.0	2.0	120	100	2	0.008	<0.08

1. Unless otherwise stated, the detection limit is 0.01 fibres/ml.

3. Comments, observations and opinions are outside the scope of UKAS accreditation.

5. For clearance sampling, this report must be read in conjunction with the certificate of reoccupation.

2. Samples collected by the client are evaluated using information provided by the client.

4. Fibres were counted on membrane filter(s) in accordance with the HSE Guidance Note HSG 248.

Equipment Numbers:

Microscope: 10

Stage Micrometer: 3

Tally Counter: 8/US

Barometer: BTC40

Thermometer: BTC40

Flow Meter: FM30

Environment:

Temperature (°C): 4

Pressure (mb): 1020

Correction Factor (F): ----

Diam. of dust deposit (D) (mm): 22.5

Test Slide (5 bands): Yes/No

W/B Grate diameter (µm): 100

Blank Filter

Head: 003

Graticules: ----

Fibres: ----

Place of Analysis:

Lab HY14 DFC

On Site

✓ Mob Lab

Comments Personal air monitoring during the removal of panels from the doors in building 88.

SIGNATURE:
(on behalf of Envirochem by an authorised signatory)

ENVIROCHEM/FORMS/WORKSHEETS/02/ISSUE07/NOV06

PRINT NAME: [REDACTED]

ENVIROCHEM ANALYTICAL LABORATORIES LTD

RISK ASSESSMENT FOR ASBESTOS WORK

Date 13/01/17

Reference Number J113338FC3

Analysts / surveyors

Client RH Insulation Services Ltd, Unit D7, Segensworth Business Centre, Segensworth Road, Fareham, Hants, PO15 5RQ

Site Address HMS Daedalus, Building 165, Broom way, Lee on Solent, Hants, PO13 9YA

Description of work

Cleanance Reassurance Background Leak Smoke test

Bulk sampling Management Survey Demolition Survey

Site induction required Y / N

Permit to work required Y / N

Hazard	Risk without additional precautions			Additional specific PPE required / precautions to be taken	Risk after additional precautions		
	L	M	H		L	M	H
Asbestos fibres	✓			none / overalls / overshoes / disposable mask / half mask other – detail	✓		
PPE	✓			High Viz / safety boots / ear protection / eye protection / hard hat / gloves / other -	✓		
Working at height	✓			NA / second person / ladders / cherry picker other – detail	✓		
Working in roof void / on fragile roof	✓			NA / second person / mobile phone / agreed contact other – detail	✓		
Lone / remote working	✓			NA / second person / mobile phone / agreed contact other – detail	✓		
Electrical hazards	✓			none / restrict access / isolation / permit to work / certificate of isolation / other – detail	✓		
Working on or near operable machinery or plant	✓			NA / restrict access / isolation / permit to work other – detail	✓		
Chemical hazards & Biological hazards	✓			none / restrict access / permit to work / PPE (specify) other – detail	✓		
High noise levels	✓			none / restrict access / permit to work / PPE (specify) other – detail	✓		
Adequate Lighting	✓			Lighting required for all works, torch may be required for close inspection work only	✓		
Other specific hazards (specify)	✓			none / detail	✓		
Ladders				In good repair and clean, feet should be in contact with ground prior to use. Read INDG402 before use			

Risk Assessment prepared by:

Date: 13/01/17

Risk Assessment understood and accepted by:

Date: 13/01/17



ENVIROCHEM

Analytical Laboratories Ltd

12 The Gardens
Broadcut, Fareham
Hampshire. PO16 8SS




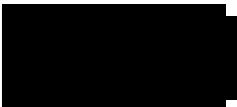

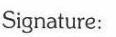

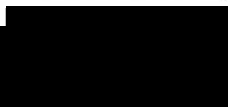
Ref No: J113338FC3

Tel: (01329) 287777
Fax: (01329) 287755

Certificate of Reoccupation

Client name & address: RH Insulation Services Ltd, Unit D7, Segensworth Business Centre, Segensworth Road, Fareham, Hants, PO15 5RQ			
Site address: HMS Daedalus, Building 165, Broom way, Lee on Solent, Hants, PO13 9YA			
Areas to be assessed and brief description of works, including dates carried out: Removal of residue and debris to walls and floor. Dates carried out 02/01/17-13/01/17.			
Asbestos removal contractor name & address (if different from client):			
Name of asbestos removal contractor representative/site supervisor: Adam Woolmer			
Plan of work number: none present		ASB5 notification form: E13C67B3D3	
Note: Where 'no' has been indicated in the following sections, further details are recorded on the comments page(s)			
STAGE 1 - Preliminary check of site condition and job completeness			
1.1	Plan of work checked to confirm areas to be assessed (any problems, differences, ACMs to remain are noted on comment page)	Yes	✓ No
1.2	Work areas are suitably identified/marked with warning signs	Yes	✓ No
1.3	Enclosures/air extraction intact/operating	Yes	✓ No
1.4	Hygiene facilities intact/operating	Yes	✓ No
1.5	Skip area/waste route free of obvious asbestos debris and asbestos waste sacks	Yes	✓ No
1.6	Transit route free of obvious asbestos debris and asbestos waste sacks	Yes	✓ No
1.7	Hygiene facilities free of obvious asbestos debris and asbestos waste sacks	Yes	✓ No
1.8	Enclosure area free of obvious asbestos debris and asbestos waste sacks (from external examination)	Yes	✓ No
1.9	Sufficient and suitable vision panels present	Yes	✓ No
Stage 1: <input checked="" type="checkbox"/> PASS / FAIL		Date: 13/01/17	
Stage 1 start time: 09:21 Stage 1 finish time: 09:33		Analyst: [Redacted] Signature: [Redacted]	
STAGE 2 - Thorough visual inspection			
2.1	Airlock/baglock/enclosure are free of waste bags, materials and unnecessary equipment	Yes	✓ No
2.2	All ACMs have been completely removed from the underlying surfaces	Yes	✓ No
2.3	Interior surfaces inside the enclosure are free from debris and fine settled dust	Yes	✓ No
Stage 2: <input checked="" type="checkbox"/> PASS / FAIL		Date (if different):	
Visual inspection start time: 09:42 Visual inspection finish time: 10:13		Analyst (if different): [Redacted] Signature: [Redacted]	
The airlock, baglock and enclosure were <input checked="" type="checkbox"/> FREE / NOT FREE of visible asbestos waste, debris and surface dust			

Certificate of Reoccupation (continued)

Stage 3 – Clearance air monitoring inside the enclosure			
3.1	All areas are dry	Yes <input checked="" type="checkbox"/>	No
3.2	Air movers off and sealed	Yes <input checked="" type="checkbox"/>	No
3.3	No evidence of lock down spray/sealant	Yes <input checked="" type="checkbox"/>	No
3.4	Original floor surface uncovered	Yes <input checked="" type="checkbox"/>	No
3.5	Disturbance using brushes	Yes <input checked="" type="checkbox"/>	No
3.6	Time of disturbance	Start time: 10:13	Finish time: 10:43
3.7	Area or volume of enclosure	60	m ² / <input checked="" type="checkbox"/>
3.8	Number of air samples collected (see Fibre Counting Report)	2	Samples
3.9	Air test results satisfactory	Yes <input checked="" type="checkbox"/>	No
3.10	All areas within the enclosure inspected (note any inaccessible areas)	Yes <input checked="" type="checkbox"/>	No
<div style="display: flex; justify-content: space-between;"> <div> Time: 11:00 Stage 3: <input checked="" type="checkbox"/> PASS / <input checked="" type="checkbox"/> FAIL The area is <input checked="" type="checkbox"/> CLEARED / <input checked="" type="checkbox"/> NOT CLEARED for the enclosure to be removed </div> <div> Analyst (if different): Date (if different): Signature:  </div> </div>			
Stage 4 – Assessment of site for reoccupation (after the enclosure is removed)			
4.1	Former enclosure/work area and the immediate surrounding area are free from any visible debris, asbestos sacks and waste	Yes <input checked="" type="checkbox"/>	No
4.2	Transit route and waste routes are free from any asbestos debris, asbestos sacks and waste	Yes <input checked="" type="checkbox"/>	No
4.3	All ACMs in the scope of work have been removed and any known ACMs remaining are intact	Yes <input checked="" type="checkbox"/>	No
<div style="display: flex; justify-content: space-between;"> <div> Time: 12:01 Stage 4: <input checked="" type="checkbox"/> PASS / <input checked="" type="checkbox"/> FAIL The area <input checked="" type="checkbox"/> CAN BE / <input checked="" type="checkbox"/> CANNOT BE reoccupied </div> <div> Analyst (if different): Date (if different): 13/01/17 Signature:  </div> </div>			
Contractor's representative acknowledgement:			
I have been advised by <u>Sophie Preece</u> :			
<ul style="list-style-type: none"> • That the certificate of reoccupation has not been issued because the area has failed stage #__. • That the certificate of reoccupation can be issued as the area has passed all four stages. 			
Name: 		Signature: 	Date: 13/01/17 Time: 12:01
Issue of certificate of reoccupation by the assessor:			
A copy of this certificate comprising a total of <u>6</u> pages, was issued to the above person.			
Name of Analyst: 		Signature: 	Date: 13/01/17 Time: 12:01
Notes: Inspection and assessment carried out in accordance with in-house procedure 3.03 based on HSE Guidance Note HSG248			



ENVIROCHEM

Analytical Laboratories Ltd

12 The Gardens, Broadcut, Fareham
Hampshire. PO16 8SS

Fibre Counting Report

RH Insulation Services Ltd, Unit D7, Segensworth Business Centre,
Segensworth Road, Fareham, Hants, PO15 5RQ

CLIENT:

SITE ADDRESS: HMS Daedalus, Building 165, Broom way, Lee on Solent, Hants, PO13 9YA



1227

Tel: (01329) 287777

Fax: (01329) 287755

Our Ref: J113338FC3

Your Ref:

SAMPLING PROTOCOL: Clearance

SAMPLED BY: [REDACTED]

ANALYSED BY (if different):

DATE OF SAMPLING: 13/01/17

DATE OF ANALYSIS (if different):

Filter No.	Pump	Head	Location	Time on	Time off	Flow (litres/min)			Volume (V) litres	Grats (n)	Fibres (N)	Calculation fibres/ml	Reported result fibres/ml
						Flow (start)	Flow (finish)	Flow (used)					
FC1	FU4	ST10	Within area, at the back of the enclosure	10:13	10:43	16.0	16.0	16.0	480	200	1/2	0.001	<0.01
FC2	24	RC22	Within area, at the front of the enclosure	10:13	10:43	16.0	16.0	16.0	480	200	1/2	0.001	<0.01

1. Unless otherwise stated, the detection limit is 0.01 fibres/ml.

3. Comments, observations and opinions are outside the scope of UKAS accreditation.

5. For clearance sampling, this report must be read in conjunction with the certificate of reoccupation.

2. Samples collected by the client are evaluated using information provided by the client.

4. Fibres were counted on membrane filter(s) in accordance with the HSE Guidance Note HSG 248.

Equipment Numbers:

Microscope: 10

Stage Micrometer: 3

Tally Counter: 8/US

Barometer: BTC22

Thermometer: BTC22

Flow Meter: FM30

Environment:

Temperature (°C): 4

Pressure (mb): 1023

Correction Factor (F):

Diam. of dust deposit (D) (mm): 22.5

Test Slide (5 bands): Yes/No

W/B Grate diameter (µm): 100

Blank Filter

Head: 003

Graticules: ----

Fibres: -----

Place of Analysis:

Lab HY14 DFC

On Site

✓ Mob Lab

Comments Removal of residue and debris to walls and floor. Dates carried out 02/01/17-13/01/17. Air test satisfactory.

SIGNATURE: [REDACTED]
(on behalf of Envirochem by an authorised signatory)

PRINT NAME: [REDACTED]



ENVIROCHEM

Analytical Laboratories Ltd

12 The Gardens

Broadcut, Fareham

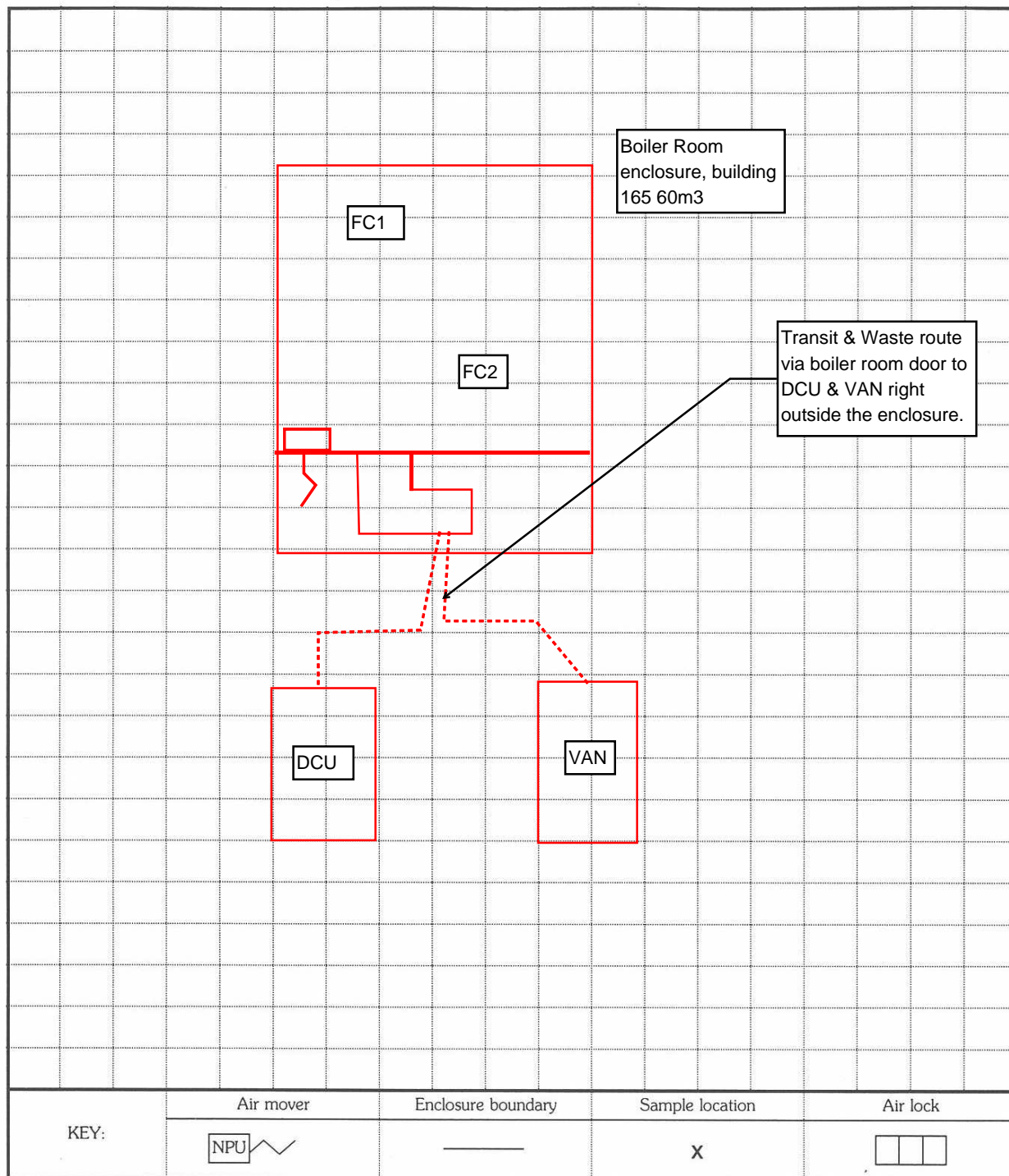
Hampshire. PO16 8SS

Ref No: J113338FC3

Tel: (01329) 287777

Fax: (01329) 287755

Enclosure details (Schematic Representation)



Full Name and Signature:

Date:

Time:

Analyst:	13/01/17	12:01
Contractor's Representative:	13/01/17	12:01



ENVIROCHEM

Analytical Laboratories Ltd

12 The Gardens
Broadcut, Fareham
Hampshire. PO16 8SS

Ref No: J113338FC3

Tel: (01329) 287777
Fax: (01329) 287755

Comments and Observations

Area cleaned as far as reasonably practicable.

All flakey paint has been removed and the walls scraped.

Some residue may still be present under the original paint layer.

Floor left uncovered

Air test satisfactory.

Analyst: [REDACTED]

Signature: [REDACTED]



ENVIROCHEM

Analytical Laboratories Ltd

12 The Gardens
Broadcut, Fareham
Hampshire. PO16 8SS



Ref No: J113338DFC2

Tel: (01329) 287777
Fax: (01329) 287755

Inspection Certificate for the Hygiene Facility

Asbestos removal contractor name & address: RH Insulation Services Ltd, Unit D7, Segensworth Business Centre, Segensworth Road, Fareham, Hants, PO15 5RQ			
Name of asbestos removal contractor site supervisor: [REDACTED]			
Site address of the hygiene facility: HMS Daedalus, Building 165, Broom way, Lee on Solent, Hants, PO13 9YA			
Manufacturer: SMH		Serial number: 151R1948 / DC16	
Note: Where 'no' has been indicated in the following sections, further details are recorded on the comments page(s)			
Thorough visual inspection			
1.1 Hygiene facilities are free from waste, debris, dust, contaminated clothing, waste bags etc.		Yes ✓	No
1.2 Interior surfaces are free from debris and settled dust		Yes ✓	No
Time: 11:02		Analyst: [REDACTED]	
PASSED / FAILED inspection		Date: 13/01/17	Signature: [REDACTED]
The hygiene facility was FREE / NOT FREE of visible asbestos waste, debris and surface dust			
Clearance air monitoring inside the hygiene facility			
2.1 All areas are dry		Yes ✓	No
2.2 Air movers off and sealed		Yes ✓	No
2.3 Disturbance using brushes		Yes ✓	No
2.4 Time of disturbance		Start time: 11:05	Finish time: 11:09
2.5 Floor area of shower and dirty end of hygiene facility		4m2	
2.6 Number of air samples collected (see Fibre Counting Report)		2	Samples
2.7 Air test results satisfactory		Yes ✓	No
Time: 12:01		Analyst (if different):	
PASSED / FAILED inspection		Date (if different):	Signature: [REDACTED]
The hygiene facility is CLEARED / NOT CLEARED for re-use			
Contractor's representative acknowledgement:			
I have been advised by [REDACTED]: that an inspection certificate for the hygiene facility CAN / CANNOT be issued.			
Name: Adam Woolmer		Signature:	Date: 13/01/17 Time: 12:01
Issue of inspection certificate for the hygiene facility:			
A copy of this certificate comprising a total of 2 pages, was issued to the above person.			
Analyst: [REDACTED]		Signature: [REDACTED]	Date: 13/01/17 Time: 12:01
Notes: Inspection and assessment carried out in accordance with in-house procedure 3.04 based on HSE Guidance Note HSG248			



ENVIROCHEM

Analytical Laboratories Ltd

12 The Gardens, Broadcut, Fareham
Hampshire. PO16 8SS

Fibre Counting Report

RH Insulation Services Ltd, Unit D7, Segensworth Business Centre,
Segensworth Road, Fareham, Hants, PO15 5RQ

CLIENT:

SITE ADDRESS: HMS Daedalus, Building 165, Broom way, Lee on Solent, Hants, PO13 9YA



1227

Tel: (01329) 287777

Fax: (01329) 287755

Our Ref: J113338DFC2

Your Ref:

SAMPLING PROTOCOL: Decon Clearance

SAMPLED BY: [REDACTED]

ANALYSED BY (if different):

DATE OF SAMPLING: 13/01/17

DATE OF ANALYSIS (if different):

Filter No.	Pump	Head	Location	Time on	Time off	Flow (litres/min)			Volume (V) litres	Grats (n)	Fibres (N)	Calculation fibres/ml	Reported result fibres/ml
						Flow (start)	Flow (finish)	Flow (used)					
DFC1	RY4	RC7	Within Shower	11:05	11:35	16.0	16.0	16.0	480	200	1/2	0.001	<0.01
DFC2	ENVIX	002	Within Dirty end	11:05	11:35	16.0	16.0	16.0	480	200	1/2	0.001	<0.01

1. Unless otherwise stated, the detection limit is 0.01 fibres/ml.

3. Comments, observations and opinions are outside the scope of UKAS accreditation.

5. For clearance sampling, this report must be read in conjunction with the certificate of reoccupation.

2. Samples collected by the client are evaluated using information provided by the client.

4. Fibres were counted on membrane filter(s) in accordance with the HSE Guidance Note HSG 248.

Equipment Numbers:

Microscope: 10

Barometer: BTC22

Stage Micrometer: 3

Thermometer: BTC22

Tally Counter: 8/US

Flow Meter: FM30

Environment:

Temperature (°C): 4

Pressure (mb): 1023

Correction Factor (F):

Diam. of dust deposit (D) (mm): 22.5

Test Slide (5 bands): Yes/No

W/B Grate diameter (µm): 100

Blank Filter

Head: 003

Graticules: ----

Fibres: ----

Place of Analysis:

Lab HY14 DFC

On Site

✓ Mob Lab

Comments Decon okay to be moved off site.

SIGNATURE: [REDACTED]
(on behalf of Envirochem by an authorised signatory)

PRINT NAME: [REDACTED]