

Condition 3b)- 1 page plus 26 pages enclosures



Doug Bailey <dougbailey6@gmail.com>

P/2021/0813- Discharge of Cond 3 (Contamination)- Land off High St, Johnstown-Gower Homes Ltd site.

Doug Bailey <dougbailey6@gmail.com>

4 January 2022 at 10:52

To: Matthew Phillips <Matthew.Phillips@wrexham.gov.uk>

Cc: Angela Guy <Angela.Guy@wrexham.gov.uk>

Bcc: Michael Forgrave <michael.forgrave@gowerhomes.co.uk>, George Forgrave <georgeforgrave@gmail.com>

21-12-14 REV A ISSUE mjs.pdf

Dear Matthew, Angela, Stacey (sorry I couldn't find Stacey's email address)

Wishing you all the very best for the New Year

Please find attached the following information relating to Condition 3 (Contamination) of the above and further to your memo dated 3 Sep 21:

1. Groundsolve covering letter using the same reference numbers as the above memo for ease of reference
2. Groundsolves updated 21-12-14 Rev A Issue mjs (Due to file size this is attached as a link to download via Google drive. I can arrange a hard copy to be issued, if this format is not acceptable)
3. Asbestos clearance certificate for notifiable forms of asbestos and waste transfer notices also.
4. Sample testing of proposed topsoil.

I would be very grateful if you could advise comments on the above with respect to discharging the condition 3 please.

Any queries, please feel free to call me on 07773469026

Kind Regards

Doug

Doug Bailey

Technical Manager
Construction
on behalf of GOWER HOMES LTD

Mobile: 07773469026

Turnpike Consulting Ltd

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5 attachments

21-12-22 Covering Letter.docx
49K

20-17036 (1).pdf
253K

296938.pdf
1113K

295173.pdf
1391K

J008589_4SC_20210629.pdf

3532K

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Condition 3b) 26 pages

GroundSolve Ltd

Consulting Geotechnical, Engineering Geology and Environmental Engineers.

Unit 1 Charter Court,
Well House Barns,
Chester Road, Bretton,
Flintshire, CH4 0DH
Tel: 01244 661361
Mob: 07498 571682
Email: elizabethsmith@groundsolve.com

REF: 2363/JR/RepLet/ES

22/12/2021

Dear Doug,

RE: DISCHARGE OF CONDITION 3 (CONTAMINATION)

In response to comments from Wrexham County Borough Council (WCBC), GroundSolve Ltd (GSL) have updated the Geo-environmental report following an additional investigation. Below is our response to the comments from Memorandum Reference P/2021/0813.

1. The chemical Storage Area is now presented in Figure 2a.
2. GSL have noted the advice and can confirm that the made ground was similar to the made ground encountered across the site. The pit was not logged due to the area being unsafe at the time.
3. At the area of TP01, made ground was tested from nearby trial pits which comprised the same made ground materials. This made ground was tested and found to not be contaminated.
4. An additional site investigation was undertaken, see Section 5. A further five samples were tested with additional trial pits covering the building footprints after demolition.
5. It is our understanding that the electrical substation is to be removed. We carried out tests for PCBs at the site of the electrical substation, none were detected, see section 7.
6. Further details of the proposed developments are presented in Section 4 and within the recommendations in Section 9. Further testing was carried out near TP06 to look for asbestos, none was detected, see Section 7.
7. Gower homes propose to use topsoil from a nearby site which was investigated by us with full chemical testing. The chemical test results are attached to this letter.
8. Additional full chemical testing was carried out beneath the fuel tanks where no contamination was detected. We are currently awaiting chemical test results from the chemical storage area, the results will be followed up with a letter report.
9. All waste transfer notes and certificates are included in with this letter report.

If anything additional is required to discharge this condition, please do not hesitate to contact us.

Yours sincerely,

Elizabeth Smith

Unit 1, Cedar Point
Well Point, Ontario
Cedar Point, Ontario
Phone: 519-335-1111
Fax: 519-335-1111
Email: info@cedarpoint.com

Continued on p. 2

Continued on p. 2

REP: 230310T-010125

230310T-010125

Dear Sirs,

RE: DISCHARGE OF LIABILITY

In response to your letter of 10/10/01, we have reviewed the information provided and have determined that the information provided is sufficient to allow us to proceed with the discharge of liability. The information provided is as follows:

1. The information provided is sufficient to allow us to proceed with the discharge of liability.
2. The information provided is sufficient to allow us to proceed with the discharge of liability.
3. The information provided is sufficient to allow us to proceed with the discharge of liability.
4. The information provided is sufficient to allow us to proceed with the discharge of liability.
5. The information provided is sufficient to allow us to proceed with the discharge of liability.
6. The information provided is sufficient to allow us to proceed with the discharge of liability.
7. The information provided is sufficient to allow us to proceed with the discharge of liability.
8. The information provided is sufficient to allow us to proceed with the discharge of liability.
9. The information provided is sufficient to allow us to proceed with the discharge of liability.
10. The information provided is sufficient to allow us to proceed with the discharge of liability.

If you have any questions, please contact us at the above address.

[Handwritten signature]

Yours sincerely,

Elizabeth Smith



DETS

Certificate of Analysis

Certificate Number 20-17036

14-Sep-20

Client GroundSolve Limited
Unit 1
Well House Barns
Bretton
Flintshire
FAO Adam Fenwick
CH4 0DH

Our Reference 20-17036

Client Reference (not supplied)

Order No (not supplied)

Contract Title Willow Cottage

Description 6 Soil samples.

Date Received 07-Sep-20

Date Started 07-Sep-20

Date Completed 14-Sep-20

Test Procedures Identified by prefix DETSn (details on request).

Notes Opinions and interpretations are outside the laboratory's scope of ISO 17025 accreditation. This certificate is issued in accordance with the accreditation requirements of the United Kingdom Accreditation Service. The results reported herein relate only to the material supplied to the laboratory. This certificate shall not be reproduced except in full, without the prior written approval of the laboratory.

Approved By



Adam Fenwick
Contracts Manager





Summary of Chemical Analysis

Soil Samples

Our Ref 20-17036

Client Ref

Contract Title Willow Cottage

Test	Method	LOD	Units	Lab No					
				Sample ID	Depth	Other ID	Sample Type	Sampling Date	Sampling Time
				1722546	1722547	1722548	1722549	1722550	1722551
				TP1	TP2	TP2	TP4	TP4	TP5
				0.10	0.20	0.90	0.40	0.90	0.60
				SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
				27/08/2020	27/08/2020	27/08/2020	27/08/2020	27/08/2020	27/08/2020
				n/s	n/s	n/s	n/s	n/s	n/s
Metals									
Arsenic	DETSC 2301#	0.2	mg/kg	21	6.6		7.1		9.0
Boron, Water Soluble	DETSC 2311#	0.2	mg/kg	1.5	0.6		0.5		0.8
Cadmium	DETSC 2301#	0.1	mg/kg	0.4	0.3		0.5		0.4
Chromium	DETSC 2301#	0.15	mg/kg	21	12		11		17
Chromium III	DETSC 2301*	0.15	mg/kg	21	12		11		17
Chromium, Hexavalent	DETSC 2204*	1	mg/kg	< 1.0	< 1.0		< 1.0		< 1.0
Copper	DETSC 2301#	0.2	mg/kg	33	17		22		32
Lead	DETSC 2301#	0.3	mg/kg	73	41		110		130
Mercury	DETSC 2325#	0.05	mg/kg	0.11	0.12		0.08		0.14
Nickel	DETSC 2301#	1	mg/kg	14	9.9		11		16
Selenium	DETSC 2301#	0.5	mg/kg	< 0.5	< 0.5		0.7		< 0.5
Zinc	DETSC 2301#	1	mg/kg	130	70		110		160
Inorganics									
pH	DETSC 2008#		pH	7.3	7.0	5.7	5.9	6.5	7.8
Cyanide, Total	DETSC 2130#	0.1	mg/kg	1.0	< 0.1		< 0.1		< 0.1
Organic matter	DETSC 2002#	0.1	%	5.2	2.9		6.5		3.1
Sulphate Aqueous Extract as SO4	DETSC 2076#	10	mg/l	58	35	21	12	11	16
Sulphide	DETSC 2024*	10	mg/kg	78	29		20		740
Sulphur (free)	DETSC 3049#	0.75	mg/kg	< 0.75	< 0.75		< 0.75		< 0.75
Petroleum Hydrocarbons									
Aliphatic C5-C6	DETSC 3321*	0.01	mg/kg	< 0.01	< 0.01		< 0.01		< 0.01
Aliphatic C6-C8	DETSC 3321*	0.01	mg/kg	< 0.01	< 0.01		< 0.01		< 0.01
Aliphatic C8-C10	DETSC 3321*	0.01	mg/kg	< 0.01	< 0.01		< 0.01		< 0.01
Aliphatic C10-C12	DETSC 3072#	1.5	mg/kg	< 1.5	< 1.5		< 1.5		< 1.5
Aliphatic C12-C16	DETSC 3072#	1.2	mg/kg	< 1.2	< 1.2		< 1.2		< 1.2
Aliphatic C16-C21	DETSC 3072#	1.5	mg/kg	< 1.5	< 1.5		< 1.5		< 1.5
Aliphatic C21-C35	DETSC 3072#	3.4	mg/kg	< 3.4	< 3.4		< 3.4		< 3.4
Aliphatic C35-C40	DETSC 3072*	3.4	mg/kg	< 3.4	< 3.4		< 3.4		< 3.4
Aliphatic C5-C35	DETSC 3072*	10	mg/kg	< 10	< 10		< 10		< 10
Aromatic C5-C7	DETSC 3321*	0.01	mg/kg	< 0.01	< 0.01		< 0.01		< 0.01
Aromatic C7-C8	DETSC 3321*	0.01	mg/kg	< 0.01	< 0.01		< 0.01		< 0.01
Aromatic C8-C10	DETSC 3321*	0.01	mg/kg	< 0.01	< 0.01		< 0.01		< 0.01
Aromatic C10-C12	DETSC 3072#	0.9	mg/kg	< 0.9	< 0.9		< 0.9		< 0.9
Aromatic C12-C16	DETSC 3072#	0.5	mg/kg	< 0.5	< 0.5		< 0.5		< 0.5
Aromatic C16-C21	DETSC 3072#	0.6	mg/kg	< 0.6	< 0.6		< 0.6		< 0.6
Aromatic C21-C35	DETSC 3072#	1.4	mg/kg	< 1.4	< 1.4		< 1.4		< 1.4
Aromatic C35-C40	DETSC 3072*	1.4	mg/kg	< 1.4	< 1.4		< 1.4		< 1.4
Aromatic C5-C35	DETSC 3072*	10	mg/kg	< 10	< 10		< 10		< 10
TPH Ali/Aro Total	DETSC 3072*	10	mg/kg	< 10	< 10		< 10		< 10
PAHs									
Naphthalene	DETSC 3303#	0.03	mg/kg	< 0.03	< 0.03		< 0.03		0.03
Acenaphthylene	DETSC 3303#	0.03	mg/kg	< 0.03	< 0.03		< 0.03		< 0.03

Key: * -not accredited. # -MCERTS (accreditation only applies if report carries the MCERTS logo). n/s -not supplied.



Summary of Chemical Analysis Soil Samples

Our Ref 20-17036
Client Ref
Contract Title Willow Cottage

Lab No	1722546	1722547	1722548	1722549	1722550	1722551
Sample ID	TP1	TP2	TP2	TP4	TP4	TP5
Depth	0.10	0.20	0.90	0.40	0.90	0.60
Other ID						
Sample Type	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
Sampling Date	27/08/2020	27/08/2020	27/08/2020	27/08/2020	27/08/2020	27/08/2020
Sampling Time	n/s	n/s	n/s	n/s	n/s	n/s

Test	Method	LOD	Units						
Acenaphthene	DETSC 3303#	0.03	mg/kg	< 0.03	< 0.03		< 0.03		< 0.03
Fluorene	DETSC 3303	0.03	mg/kg	< 0.03	< 0.03		< 0.03		< 0.03
Phenanthrene	DETSC 3303#	0.03	mg/kg	< 0.03	< 0.03		0.07		0.19
Anthracene	DETSC 3303	0.03	mg/kg	< 0.03	< 0.03		< 0.03		0.06
Fluoranthene	DETSC 3303#	0.03	mg/kg	< 0.03	0.03		0.24		0.44
Pyrene	DETSC 3303#	0.03	mg/kg	< 0.03	0.03		0.22		0.44
Benzo(a)anthracene	DETSC 3303#	0.03	mg/kg	< 0.03	< 0.03		0.12		0.26
Chrysene	DETSC 3303	0.03	mg/kg	0.05	< 0.03		0.14		0.39
Benzo(b)fluoranthene	DETSC 3303#	0.03	mg/kg	0.05	0.03		0.13		1.0
Benzo(k)fluoranthene	DETSC 3303#	0.03	mg/kg	< 0.03	0.03		0.05		0.35
Benzo(a)pyrene	DETSC 3303#	0.03	mg/kg	< 0.03	< 0.03		0.10		1.2
Indeno(1,2,3-c,d)pyrene	DETSC 3303#	0.03	mg/kg	< 0.03	< 0.03		0.05		0.68
Dibenzo(a,h)anthracene	DETSC 3303#	0.03	mg/kg	< 0.03	< 0.03		< 0.03		0.19
Benzo(g,h,i)perylene	DETSC 3303#	0.03	mg/kg	< 0.03	< 0.03		0.05		0.82
PAH - USEPA 16, Total	DETSC 3303	0.1	mg/kg	< 0.10	0.13		1.2		6.0
Phenols									
Phenol - Monohydric	DETSC 2130#	0.3	mg/kg	< 0.3	< 0.3		< 0.3		< 0.3



Summary of Asbestos Analysis Soil Samples

Our Ref 20-17036

Client Ref

Contract Title Willow Cottage

Lab No	Sample ID	Material Type	Result	Comment*	Analyst
1722546	TP1 0.10	SOIL	NAD	none	Jordan Eadington
1722547	TP2 0.20	SOIL	NAD	none	Jordan Eadington
1722549	TP4 0.40	SOIL	NAD	none	Jordan Eadington
1722551	TP5 0.60	SOIL	NAD	none	Jordan Eadington

Crocidolite = Blue Asbestos, Amosite = Brown Asbestos, Chrysotile = White Asbestos. Anthophyllite, Actinolite and Tremolite are other forms of Asbestos. Samples are analysed by DETSC 1101 using polarised light microscopy in accordance with HSG248 and documented in-house methods. NAD = No Asbestos Detected. Where a sample is NAD, the result is based on analysis of at least 2 sub-samples and should be taken to mean 'no asbestos detected in sample'. Key: * - not included in laboratory scope of accreditation.

Information in Support of the Analytical Results

Our Ref 20-17036
Client Ref
Contract Willow Cottage

Containers Received & Deviating Samples

Lab No	Sample ID	Date		Containers Received	Holding time exceeded for tests	Inappropriate container for tests
		Sampled				
1722546	TP1 0.10 SOIL	27/08/20		GJ 250ml, GJ 60ml x2	Sulphur (free) (7 days), pH + Conductivity (7 days)	
1722547	TP2 0.20 SOIL	27/08/20		GJ 250ml, GJ 60ml x2	Sulphur (free) (7 days), pH + Conductivity (7 days)	
1722548	TP2 0.90 SOIL	27/08/20		PT 1L	pH + Conductivity (7 days)	
1722549	TP4 0.40 SOIL	27/08/20		GJ 250ml, GJ 60ml x2	Sulphur (free) (7 days), pH + Conductivity (7 days)	
1722550	TP4 0.90 SOIL	27/08/20		PT 1L	pH + Conductivity (7 days)	
1722551	TP5 0.60 SOIL	27/08/20		GJ 250ml, GJ 60ml x2, PT 1L	Sulphur (free) (7 days), pH + Conductivity (7 days)	

Key: G-Glass J-Jar P-Plastic T-Tub

DETS cannot be held responsible for the integrity of samples received whereby the laboratory did not undertake the sampling. In this instance samples received may be deviating. Deviating Sample criteria are based on British and International standards and laboratory trials in conjunction with the UKAS note 'Guidance on Deviating Samples'. All samples received are listed above. However, those samples that have additional comments in relation to hold time, inappropriate containers etc are deviating due to the reasons stated. This means that the analysis is accredited where applicable, but results may be compromised due to sample deviations. If no sampled date (soils) or date+time (waters) has been supplied then samples are deviating. However, if you are able to supply a sampled date (and time for waters) this will prevent samples being reported as deviating where specific hold times are not exceeded and where the container supplied is suitable.

Soil Analysis Notes

Inorganic soil analysis was carried out on a dried sample, crushed to pass a 425µm sieve, in accordance with BS1377.

Organic soil analysis was carried out on an 'as received' sample. Organics results are corrected for moisture and expressed on a dry weight basis.

The Loss on Drying, used to express organics analysis on an air dried basis, is carried out at a temperature of 28°C +/- 2°C.

Disposal

From the issue date of this test certificate, samples will be held for the following times prior to disposal :-

Soils - 1 month, Liquids - 2 weeks, Asbestos (test portion) - 6 months

End of Report

DATE

Information in Support of the Application

Applicant's Name

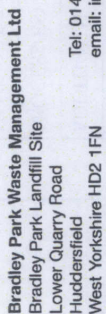
Date

1. Name of the organization	2. Address of the organization
3. Phone number of the organization	4. Fax number of the organization
5. E-mail address of the organization	6. Website of the organization
7. Name of the person in charge of the organization	8. Title of the person in charge of the organization
9. Name of the person who submitted the application	10. Title of the person who submitted the application

Signature of the person in charge of the organization

Signature of the person who submitted the application

Handwritten signature and initials



WEIGHBRIDGE TICKET

Landfill Tax No. 01990 1668 93000
EA Permit No. EPR/LP3434HA

email: info@bradleyparkwastemanagement.com

A D.O.T. APPROVED COPY OF THIS TRANSACTION IS AVAILABLE FOR 6 MONTHS FROM THE WEIGHMENT

DRIVER'S SIGNATURE

WEIGHMAN'S SIGNATURE

The Hazardous Waste Regulations 2005: Consignment Note



PART A Notification details

1 Consignment note code: MWD660 / F3852

2 The waste described below is to be removed from (name, address etc.):

MWD Group, High Street, Wrexham, LL14 2AD

3 Premises code (where applicable):

MWD660

4 The waste will be taken to (name, address and postcode):

Bradley Park Waste Management, Lower Quarry Road, Huddersfield, HD2 1FN

5 The waste producer was (if different from 2) (name, address etc.):

A.A.

PART B Description of the waste

If continuation sheet used, tick here: ☐

1 The process giving rise to the waste(s) was:

2 SIC for the process giving rise to the waste:

6311

3 WASTE DETAILS (where more than one waste type is collected all of the information given below must be completed for each EWC identified)

Description of waste	List of wastes (EWC code)	Quantity (kg)	The chemical/biological components of the waste and their concentration are:		Physical form (gas, liquid, solid, powder, sludge or mixed)	Hazard code(s)	Container type, number and size
			Component	Concentration (% or mg/kg)			
A <u>Acetone</u>	B <u>17 06 05</u>	C	D <u>Chloride</u>	E <u>200%</u>	F <u>Solid</u>	G <u>H11</u>	H
I	J	K	L	M	N	O	P

4. The information given below is to be completed for each EWC identified

EWC code	Packing group(s)	UN identification number(s)	Proper shipping name(s)	UN class(es)	Special handling requirements
A <u>17 06 05</u>	B <u>III</u>	C <u>Low Hazard</u>	D <u>Acetone</u>	E	F
G	H	I	J	K	L

PART C Carrier's certificate

(If more than one carrier is used, please attach schedule for subsequent carriers. If a schedule of carriers is attached tick here: ☐)

I certify that I today collected the consignment and that the details in A2, A4 and B3 are correct and I have been advised of any specific handling requirements.

1 Carrier name:

On behalf of (name, address, postcode, telephone, e-mail, facsimile):
ENVIROCLEAR SITE SERVICES LTD, HAFOD YARD, HAFOD INDUSTRIAL ESTATE,
HAFOD ROAD, RUABON, WREXHAM, LL14 6HF TELEPHONE: 01978 840228

2 Carrier registration no./reason for exemption:

3 Vehicle registration no. (or mode of transport, if not road):

Signature

Date Time

PART D Consignor's certificate

I certify that the information in A, B and C above is correct, that the carrier is registered or exempt and was advised of the appropriate precautionary measures. All of the waste is packaged and labelled correctly and the carrier has been advised of any special handling requirements.

I can confirm that I have fulfilled my duty to apply the waste hierarchy as required by regulation 12 of the Waste (England and Wales) Regulations 2011.

1 Consignor's name:

On behalf of (name, address, postcode, telephone, e-mail, facsimile):

MWD Group, High Street, Wrexham, LL14 2AD

Signature

Date Time

PART E Consignee's certificate (where more than one waste type is collected all of the information given below must be completed for each EWC)

Individual EWC code(s) received	Quantity of each EWC code received (kg)	EWC code accepted/rejected	Waste management operation (R or D code)
<u>170605</u>	<u>4,080</u>	☒	<u>D5</u>

1 I received this waste at the address given in A4 on:

Date Time

2 Vehicle registration no. (or mode of transport if not road):

PN19 HRG

3 Where waste is rejected please provide details:

I certify that waste management licence/permit/authorised exemption no(s):

W00000000

authorises the management of the waste described in B at the address given in A4.

Name:

On behalf of (name, address, postcode, telephone, e-mail, facsimile):

Bradley Park Waste Management
Lower Quarry Road
Huddersfield
HD2 1FN

Signature

Date Time

Handwritten signature or scribble.



Bradley Park Waste Management Ltd
Bradley Park Landfill Site
Lower Quarry Road
Huddersfield
West Yorkshire HD2 1FN

Tel: 01484 534 976
email: info@bradleyparkwastemanagement.com

WEIGHBRIDGE TICKET

Landfill Tax No. 01990 1668 93000
EA Permit No. EPR/LP3434HA

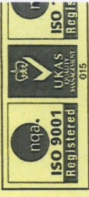
Registration: PM19 HDE		Ticket No. 000195	
Driver Name		Waste Carrier Licence	
Haulier: Enviroclear Site Services Ltd		CDD111155	
Customer: ENVIROCL		ENVIROCLEAR SITE SERVICES LTD	
Order No: 90162			
Date: 17.06.05			
Time: 13.06.05			
Location: 17.06.05			
Weight: 13.470 kg			
Net			
Gross			
Tare			
Total			
Driver's Signature		Weighman's Signature	

A D.O.T. APPROVED COPY OF THIS TRANSACTION IS AVAILABLE FOR 6 MONTHS FROM THE WEIGHMENT

CONTROLLED WASTE TRANSFER NOTE - DUTY OF CARE

REGISTRATION OF CARRIER No: CBDU13486

ENV 296938



Hafod Yard, Hafod Industrial Estate, Hafod Road
Ruabon, Wrexham, LL14 6HF.

Office: 01978 840228 Fax: 01978 833009

Web: www.enviroclear.co.uk E-Mail: office@enviroclear.co.uk

SIC CODE: 43.11

DESCRIPTION OF WASTE:		EWC CODE: 17 06 01	
ADDITIONAL LABOUR TICKET Nos.	45 GALLON DRUM	TANKER	IBC'S
a)			
b)			
c)			
SPECIAL WASTE		YES	
		NO	

ADDITIONAL LABOUR:

PROCESS(ES) FROM WHICH WASTE ORIGINATED:

NAME OF DISPOSER:

ADDRESS AND TELEPHONE No.:

DATE: 2 10 9 1 21

TIME IN: 9:07

TIME OUT: 11:00

LICENCE No.: 034347A

VEHICLE REG No: 2009 H2

SIGNED: J M - eda NAME: J M - eda POSITION: Wrexham

DATE OF TRANSFER:	6 / 8 / 21	DESCRIPTION	FINAL DISPOSAL POINT
INVOICE ADDRESS:			
COMPANY:	Enviroclear		
ADDRESS:	Hafod Yard, Hafod Industrial Estate, Hafod Road, Ruabon, Wrexham, LL14 6HF		
PRODUCE OF THE WASTE:	YES / NO		
NAME OF CARRIER:	ENVIROCLEAR SITE SERVICES LTD.		
ADDRESS:	HAFOD YARD, HAFOD IND. ESTATE, RUABON, WREXHAM LL14 6HF		
TELEPHONE:	(01978) 840228		
DRIVERS NAME:			
SIGNATURE:	TRAILER No.:		
VEHICLE REG.:			
TONNES REMOVED:	LOADS REMOVED:		
PREVIOUS DAYS TRAVEL TO SITE HRS:			
START TIME:	FINISH TIME:		
START* TIME:	ON SITE TIME:		
OFF SITE TIME:	FINISH* TIME:		
START TIME:	FINISH TIME:		
THE ABOVE WORK HAS BEEN CARRIED OUT TO OUR SATISFACTION:			
I CONFIRM THAT I HAVE FULFILLED MY DUTY TO APPLY THE WASTE HIERARCHY AS REQUIRED BY REGULATION 12 OF THE WASTE (ENGLAND AND WALES) REGULATIONS 2011.			

######

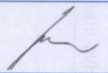
Dr. J. M. K.

Certificate of Reoccupation Report



Certificate Reference: J008589/JW01

Sentinel Environmental Consultancy Ltd
Unit 17 Gwenfro, Technology Park, Wrexham,
LL13 7YP

Name and address of client:	TFM Asbestos UK Ltd TFM Asbestos UK Ltd, 8 Hardy Close, Nelson Court Business Centre, Preston, PR2 2XP		
Name and address of site:	Proposed Site, Ruabon Road, Johnstown, Wrexham, LL14 2AD		
Name, address and contact number of asbestos removal contractor:	TFM Asbestos UK Ltd TFM Asbestos UK Ltd, 8 Hardy Close, Nelson Court Business Centre, Preston, PR2 2XP 07411798763		
Work Type:	Stage 4 Clearance	Confirmed date and time of works:	29 Jun 2021 08:35
Location of Work Area(s):	Former warehouse	Size of Area:	52.5m ² / 157.5m ³
Asbestos contractor representative and contact number:	G. Clark 07961099658	Report issue date:	29 Jun 2021
Scope of works:	4 stage clearance after removal of asbestos containing insulating board boxing to steel columns		
Analyst / Representative:	Adam Yates	Signature:	
Technically reviewed by:	Adam Yates	Signature:	

Disclaimer

Opinions and interpretations contained within this report are outside the scope of UKAS accreditation.

This certificate or air test report is valid only when it bears the signature of an authorised member of Sentinel Environmental personnel. Please note the witnessing of smoke tests is outside of the scope of UKAS accreditation.

Representatives Signature - The signatory on report acknowledgement agrees to findings of this report being accurate and correct.

Accuracy of Test Results

Air test sampling has been carried out in accordance with HSG248 Asbestos 'The Analysts Guide' to sampling, analysis & clearance procedures and in house methods (TOP01 Air Test Procedure)

Using this method, the lowest limit of quantification LOQ for a 480l sample is 0.010f/ml. For volumes less than this, the LOQ is quoted.

The calculated fibre concentration is given for each air sample taken. Where the corresponding reported fibre concentration is preceded by '<', the lower limit of quantification (LOQ) of the method has not been reached. To clarify the calculated fibre concentration is not an actual fibre concentration and the reader must refer to the reported results

The reported fibre calculation excludes pressure / temperature readings unless stated.

Stage 1: Preliminary check of site and job condition**Check the following to confirm they are still intact and operating:**

Work Areas	Yes	Enclosures / NPU	Yes	Hygiene facilities	Yes
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Check the following to confirm all and surrounding areas are free from debris, ACMs and waste sacks:

Work / Enclosure Areas	Yes	Transit route and hygiene facilities	Yes	Waste route and skip area	Yes
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Check the following to confirm:

Smoke tests carried out:	Yes	Leak tests carried out:	No
Contractor POW checked and appears to be accurate:	Yes	Viewing panels / CCTV present:	Yes

Stage 1 Comments

RAMS reviewed, all correct, no amendments necessary. Copy of ASB5 notification on site.

Supporting Photographs

Set up	DCU	CCTV	Skip

Result of Stage 1: PASSED

Analyst Name:	Adam Yates	Analyst Signature:	
Date:	29 Jun 2021	Time:	08:55

Stage 2: Thorough visual inspection

Hygiene unit (if attached to the enclosure) is free from waste, debris, dust, contaminated clothing etc:	Yes	Airlock and enclosure are free of waste bags, materials and unnecessary equipment:	Yes
Enclosure intact and interior dry:	Yes	All areas fully inspected (give details below of areas sheeted over / inaccessible):	Yes
All ACMs completely removed from underlying surfaces:	Yes	No visible dust / debris in enclosure, airlocks or work area:	Yes
Total time taken to complete visual inspection (minutes)			55

Stage 2 Comments

AIB boxing removed successfully. Enclosure cleanliness satisfactory.

Supporting Photographs

			
AIB boxing removed successfully	Surfaces clean	Polythene clean	Polythene floor covering clean

Result of Stage 2: PASSED

Analyst Name:	Adam Yates	Analyst Signature:	
Date:	29 Jun 2021	Time:	10:17

Stage 1: Preliminary check of site and job condition

Check the following to confirm they are still intact and operating:				
Work Areas	Yes	Enclosures / NPU	Yes	Hygiene facilities
				Yes

Check the following to confirm all and surrounding areas are free from debris, ACMs and waste sacks:				
Work / Enclosure Areas	Yes	Transit route and hygiene facilities	Yes	Waste route and skip area
				Yes

Check the following to confirm:			
Smoke tests carried out:	Yes	Leak tests carried out:	No
Contractor POW checked and appears to be accurate:	Yes	Viewing panels / CCTV present:	Yes

Stage 1 Comments

RAMS reviewed, all correct, no amendments necessary. Copy of ASB5 notification on site.

Supporting Photographs

Set up	DCU	CCTV	Skip

Result of Stage 1: PASSED

Analyst Name:	Adam Yates	Analyst Signature:	
Date:	29 Jun 2021	Time:	08:55

Stage 3: Clearance air monitoring

Are all areas dry:	Yes	Negative pressure units switched off and sealed prior to clearance air monitoring:	Yes
No evidence of lock down sprays:	N/A	Original floor surface uncovered:	N/A
Disturbance used:	Brush	Area / Volume:	52.5m ² / 157.5m ³
No of samples required:	3		

Stage 3 Comments

All air tests carried out < 0.01 f / ml and below the limit of detection.

Supporting Photographs

			
JW4932	JW4933	JW4934	NPU filter changed

Result of Stage 3: PASSED

Analyst Name:	Adam Yates	Analyst Signature:	
Date:	29 Jun 2021	Time:	
			11:51

Stage 4: Assessment of site for reoccupation

Work or former enclosure area is free from any visible debris, asbestos sacks and waste:	Yes
Transit route and waste area is free from all asbestos debris, waste sacks and waste:	Yes
No ACMs remaining in the work or former enclosure area (except any detailed stage 1 of this report):	Yes
Stage 4 to be completed at a later date, at the request of the site supervisor:	N/A

Stage 4 Comments

Former enclosure area fully removed. All polythene, tape & staples removed successfully. Waste route & adjacent areas left clean.

Supporting Photographs

			
Enclosure removed	Polythene floor covering removed	Staples removed from scaffolding	NPU & roving head removed

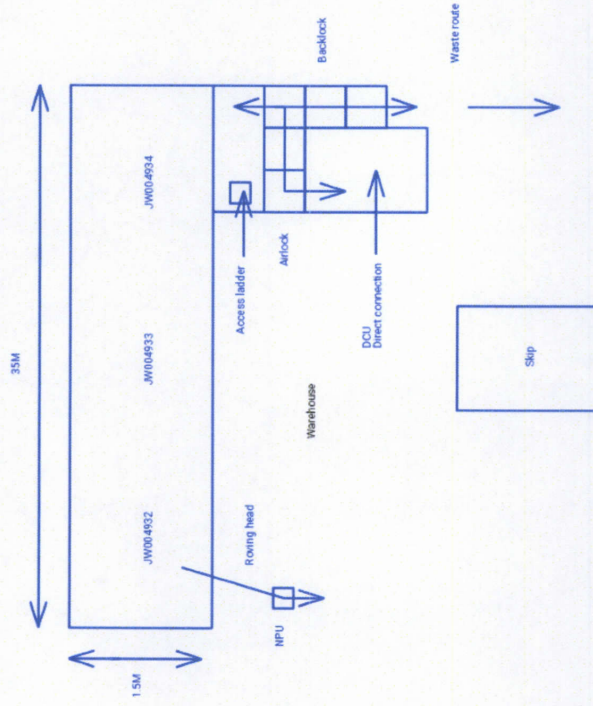
Result of Stage 4: PASSED

Analyst Name:	Adam Yates	Analyst Signature:	
Date:	29 Jun 2021	Time:	
			13:35

Final:**Following stages 1 – 4 this area is now classed as: SAFE FOR REOCCUPATION**

Analyst Name:	Adam Yates	Analyst Signature:	
Date:	29 Jun 2021	Time:	13:35
Site Supervisor Name:	G. Clark	Supervisor Signature:	
Date:	29 Jun 2021	Time:	13:36

Appendix 1 – Site Plan



Analyst Name:	Adam Yates	Analyst Signature:	
Date:	29 Jun 2021		
Time:	11:51		
Site Supervisor Name:	G. Clark	Supervisor Signature:	
Date:	29 Jun 2021		
Time:	11:52		

Diary:

Date:	Entry time:	Description:	Photograph:
29/06/2021	13:42	Sentinel analyst Adam Yates on site to carry out 4 stage clearance after removal of asbestos containing insulating board boxing from steel columns within warehouse. TFM removal contractors on site x 2 & supervisor G. Clark. RAMS reviewed, all correct. Copy of ASB5 notification on site. 4 stage clearance carried out successfully with no issues to report. DCU clearance certificate issued to site supervisor G. Clark DCU AMS04. All air tests carried out < 0.01 f / ml and below the limit of detection.	A photograph showing a warehouse site with a blue container, a building, and some trees in the background.

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