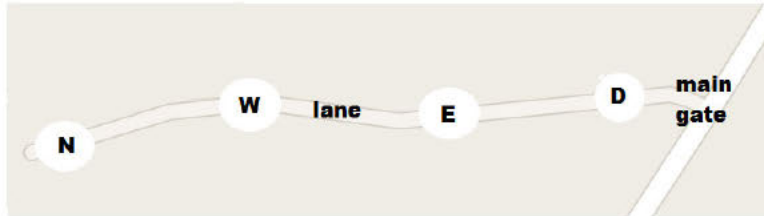


Diagram of sample positions (not to scale)



**Locations by Sample Head reference

SITE CONDITION AND MICROSCOPE SETUP	
Date of counting	27/06/16
Phase annuli centred	YES
Graticule Diameter	100µm
Mic. Condenser centred	YES
No. of NPL blocks visible	5
Exposed filter diameter	22
Field Blank (Y/N)	N/A
Microscope ID	JK001
Air pressure at site	N/A
Air press. at calib. site	N/A
Air temp at calibration site	N/A
Air temperature at site	N/A
Flow rate correction (Y/N)	N
Barometer ID	N/A
Timer ID	TP001
Filter Batch No.	R5DA90831
Thermometer No.	N/A
Flow Meter No.	JK002
Mobile / Site / Base	Base

Site Location: Ashford Riding Facility, Ashford, Co. Wicklow

Background Air Test

Analyst	Location	Sample Ref:	Samp. Head	Pump	Time on	Time off	Duration	Start/ Stop Flow (l/min)	Mean Flow (l/min)	Volume (litres)	Fibres	Fields	Result f/ml
JK	Bottom of Lane	Jkf 160627 07	N	09	10.55	11.45	50	12 l/m / 12 l/m	12 l/m	600	1	200	<0.01
JK	Bottom of lane at T road	Jkf 160627 08	W	10	10.55	11.45	50	12 l/m / 12 l/m	12 l/m	600	0	200	<0.01
JK	Middle of lane at jump	Jkf 160627 09	E	13	10.55	11.45	50	12 l/m / 12 l/m	12 l/m	600	2 ½	200	<0.01
JK	Top of lane at jumps	Jkf 160627 10	D	14	10.55	11.45	50	10 l/m / 10 l/m	10 l/m	600	2	200	<0.01

Comments: Air test satisfactory. The measured respirable airborne fibre concentration was less than the clearance indicator of 0.01 f/ml of air. All asbestos containing materials have been removed as far as was reasonably practicable, with no visible contamination evident.

Issue of certificate of reoccupation by the Analyst:

Signature:		Print Name	
	27/06/16		

Client:
AWN Consulting Ltd.
The Tecpro Building, Clonsaugh
Business & Technology Park, Dublin 17

Contractor:
Gravity Construction Ltd.
Barntown
Co. Wexford

Site Address:
Ashford Riding Facility

Contact: [REDACTED]
Areas to be assessed:
SS8, SS11, SS15, ASH 1, 2, 3, 4, 5, 6

Contact: [REDACTED]
Scope of Works:

Sampled & Tested on 01/07/16
Analyst: [REDACTED]
Lab location: Base

Type of Test	Reason for Test	Sample No.s	Purpose/Detail of Test
	Prior to work		Background test to ascertain the datum level of airborne respirable fibres prior to carrying out asbestos remedial works.
	During remedial work		Background test to ascertain the concentration of airborne respirable fibres as a reassurance for operatives.
Background Test	Following removal works	Jkf 160701 07 - 10	Background test to ascertain the concentration of airborne respirable fibres as a reassurance to occupants.
	During Transiting		Background test to ascertain the concentration of airborne respirable fibres during operatives transiting from area of work to decontamination facilities.
	During moving of Waste		Background test to ascertain the concentration of airborne respirable fibres in the waste route during the moving of waste from area of work to disposal facilities.
	Assessment of Laboratory environment		Background air monitoring to ensure suitability of the environment of the laboratory where fibre counting is undertaken.
Leak Test	Check the integrity of enclosures		Leak test of the integrity of the enclosure and the efficiency of control measures implemented during the <u>REMOVAL OF / REMEDIAL WORKS*</u> on asbestos containing materials within an enclosed area.
Clearance Indicator Test	Clearance of enclosures		Clearance indicator test to ensure airborne respirable fibre level is within the 'permitted level of site cleanliness' to allow normal occupancy of area previously enclosed following the <u>REMOVAL OF / REMEDIAL WORKS*</u> on asbestos containing materials.
Reassurance Test	Reassurance upon striking of enclosures		Reassurance air test to ascertain level of airborne respirable fibres following the removal of enclosure.
Personal Monitoring	Compliance Monitoring		Personal air test to assess whether or not personal exposures of workers are in compliance with <u>4h/10 min control limit</u> .
	Respirator Assessment		Personal air test to assess the effectiveness of dust suppression measures and the suitability of respiratory protection during asbestos removal works.
Blank	Media Blank		Blank filter test to ensure the suitability of sampling filters.
	Field Blank		Blank filter test to ensure suitability of sampling filters and integrity of counting process.
	Lab Blank		Blank filter test to ensure the suitability of lab environment following failure of field test.
Other			

*Delete as appropriate

Enclosure(s)

HAS ~~^~~ met the Clearance requirements of MDHS 20/4 and HSC248 and may be dismantled. For enclosure locations please see over page. For satisfactory Clearance, 80% of samples must be <0.01 f/ml and all samples must <0.015 f/ml.

Where leak tests were taken the results indicated that a leak WAS / WAS NOT~~^~~ detected in the following enclosure:

N.B. <0.01 f/m is generally considered to be satisfactory for leak tests although the Analyst may take action should they suspect asbestos fibres are present on the slide irrespective of the result.

Sampling was carried out using membrane filter methods in accordance with the Safety Health and Welfare at Work (Exposure to Asbestos) Regulations 2006 and the associated EU directives, taking cognisance of Health and Safety Executive Guidance HSG 248.

Diagram of sample positions (not to scale)



**Locations by Sample Head reference

SITE CONDITION AND MICROSCOPE SETUP	
Date of counting	01/07/16
Phase annuli centred	YES
Graticule Diameter	100µm
Mic. Condenser centred	YES
No. of NPL blocks visible	5
Exposed filter diameter	22
Field Blank (Y/N)	N/A
Microscope ID	JK001
Air pressure at site	N/A
Air press. at calib. site	N/A
Air temp at calibration site	N/A
Air temperature at site	N/A
Flow rate correction (Y/N)	N
Barometer ID	N/A
Timer ID	TP001
Filter Batch No.	R5DA90831
Thermometer No.	N/A
Flow Meter No.	JK002
Mobile / Site / Base	Base

Site Location: Ballinclare Quarry, Co. Wicklow

Background Air Test

Analyst	Location	Sample Ref:	Samp. Head	Pump	Time on	Time off	Duration	Start/ Stop Flow (l/min)	Mean Flow (l/min)	Volume (litres)	Fibres	Fields	Result f/ml
JK	Wild Rosanna Road	Jkf 160701 01	H	08	13.30	14.10	40	12 l/m / 12 l/m	12 l/m	480	0	200	<0.01
JK	Road at motorway	Jkf 160701 02	S	14	14.15	14.55	40	12 l/m / 12 l/m	12 l/m	480	0	200	<0.01
JK	Field oppose residence	Jkf 160701 03	F	09	15.00	15.20	20	12 l/m / 12 l/m	12 l/m	240	0	200	<0.01
JK	Field oppose residence	Jkf 160701 04	Z	12	15.00	15.20	20	12 l/m / 12 l/m	12 l/m	240	0	200	

Comments: Air test satisfactory. Contaminated stone has been removed and replaced at the locations identified. The areas are therefore deemed suitable for normal occupation. A visual check was under taken of the areas where asbestos contaminated aggregate was used on the individual jumps and lanes. No visible asbestos containing materials were identified.

Issue of certificate of reoccupation by the Analyst:

Signed on behalf of About Safety Ltd.		Print Name	
Date of issue	01/07/16		

APPENDIX 2: SUMMARY OF DATA COLLECTED

Air Quality Sampling

The table below provides the air quality data and results collected pre, during and post remediation.

Table 1. Pre, During and Post Remediation Air Sampling

Pre-Remediation Sampling								
Sample no.	Date	Consultant	Location Description	Total Fibre Concentration (f/ml)	Total Asbestos Fibre Concentration (f/ml)	Analysed by:	HSA Limit Value	Compliance With HSA Binding Occupational Exposure Limit
G10	31/05/2016	AC	Playground, walk up to near top of hill, monitor just past gorse bush on fence line	<0.01	Not measured	████████	0.1 f/ml	Yes
G11	31/05/2016	AC	on wall of main house, facing house on rhs near outdoor table/chair	<0.01	Not measured	████████	0.1 f/ml	Yes
G12	31/05/2016	AC	At gate to square of houses on site. LHS of gate under arch going into the houses.	<0.01	Not measured	████████	0.1 f/ml	Yes
G13	31/05/2016	AC	Main gate, fence on RHS looking out gate to main road.	0.003	0.003	IOM	0.1 f/ml	Yes
G14	31/05/2016	AC	Last jump on main entrance before houses	<0.002	<0.002	IOM	0.1 f/ml	Yes
G15	31/05/2016	AC	Near stockpile, fence line with mt usher gardens	<0.002	<0.002	IOM	0.1 f/ml	Yes
G16	31/05/2016	AC	Uphill, past the playground. Near contamination on track. Pump placed at gate on track	ND<0.002	ND<0.002	IOM	0.1 f/ml	Yes
H1	01/06/2016	SMcM	Playground, walk up to near top of hill, monitor just past gorse bush on fence line	ND<0.002	ND<0.002	IOM	0.1 f/ml	Yes
H3	01/06/2016	SMcM	Boundary wall	ND<0.002	ND<0.002	IOM	0.1 f/ml	Yes
H2	01/06/2016	SMcM	Gate Archway	ND<0.002	ND<0.002	IOM	0.1 f/ml	Yes

K5	04/06/2016	SMcM	Playground, walk up to near top of hill, monitor just past gorse bush on fence line	ND<0.002	ND<0.002	IOM	0.1 f/ml	Yes
K6	04/06/2016	SMcM	Uphill, past the playground. Near contamination on track. Pump placed at gate on track	ND<0.002	ND<0.002	IOM	0.1 f/ml	Yes
M4	06/06/2016	AC	Main Gate	ND<0.002	ND<0.002	IOM	0.1 f/ml	Yes
M5	06/06/2016	AC	Last jump on Drive, towards main house	ND<0.002	ND<0.002	IOM	0.1 f/ml	Yes
During and Post-Remediation Sampling								
Sample no.	Date	Consultant	Location Description	Total Fibre Concentration (f/ml)	Total Asbestos Fibre Concentration (f/ml)	Analysed by:	HSA Limit Value	Compliance With HSA Binding Occupational Exposure Limit
E07	07/06/2016	JK	Gravel heap	<0.01	Not measured	████████	0.1 f/ml	Yes
N07	07/06/2016	JK	Gravel heap	<0.01	Not measured	████████	0.1 f/ml	Yes
K07	07/06/2016	JK	Gravel heap	<0.01	Not measured	████████	0.1 f/ml	Yes
R07	07/06/2016	JK	Gravel heap	<0.01	Not measured	████████	0.1 f/ml	Yes
N2	09/06/2016	DH	Digger driver cab	<0.01	Not measured	████████	0.1 f/ml	Yes
N3	09/06/2016	DH	Close to Gate Archway of houses	<0.01	Not measured	████████	0.1 f/ml	Yes
N27	27/06/2016	JK	Bottom of Lane	<0.01	Not measured	████████	0.1 f/ml	Yes
W27	27/06/2016	JK	Bottom of lane at T road	<0.01	Not measured	████████	0.1 f/ml	Yes
E27	27/06/2016	JK	Middle of lane at jump	<0.01	Not measured	████████	0.1 f/ml	Yes
D27	27/06/2016	JK	Top of lane at jumps	<0.01	Not measured	████████	0.1 f/ml	Yes
H01	01/07/2016	JK	Wild Rosanna Road	<0.01	Not measured	████████	0.1 f/ml	Yes
F01	01/07/2016	JK	Road at motorway	<0.01	Not measured	████████	0.1 f/ml	Yes
S01	01/07/2016	JK	Field oppose residence	<0.01	Not measured	████████	0.1 f/ml	Yes
Z01	01/07/2016	JK	Field oppose residence	<0.01	Not measured	████████	0.1 f/ml	Yes

Soil (Aggregate) Sampling

Below is a summary of the pre-remediation soil sampling undertaken at the site.

Table 2. Pre-Remediation Work Soil (Aggregate) Sampling

Client: AWN Consulting	Chemtest Job No.:				16-12961	16-12961	16-12961	16-12961
Quotation No.:	Chemtest Sample ID.:				303074	303075	303076	303077
Order No.:	Client Sample Ref.:				Main Entrance	Main Entrance	Main Entrance	Main Entrance
	Client Sample ID.:				SS1	SS2	SS3	SS4
	Sample Type:				SOIL	SOIL	SOIL	SOIL
	Date Sampled:				31-May-2016	31-May-2016	31-May-2016	31-May-2016
Determinand	Accred.	SOP	Units	LOD				
ACM Type	U	2192		N/A	Fibres/Clumps	Fibres/Clumps	Fibres/Clumps	-
Asbestos Identification	U	2192	%	0.001	Actinolite	Actinolite	Actinolite	No Asbestos Detected
Asbestos by Gravimetry	U	2192	%	0.001	0.001	0.005	0.002	
Total Asbestos	N	2192	%	0.001	0.001	0.005	0.002	

Client: AWN Consulting	Chemtest Job No.:				16-12961	16-12961	16-12961	16-12961
Quotation No.:	Chemtest Sample ID.:				303078	303079	303080	303081
Order No.:	Client Sample Ref.:				Main Entrance	Main Entrance	Main Entrance	Main Entrance
	Client Sample ID.:				SS5	SS6	SS7	SS8
	Sample Type:				SOIL	SOIL	SOIL	SOIL
	Date Sampled:				31-May-2016	31-May-2016	31-May-2016	31-May-2016
Determinand	Accred.	SOP	Units	LOD				
ACM Type	U	2192		N/A	Fibres/Clumps	Fibres/Clumps	Fibres/Clumps	-
Asbestos Identification	U	2192	%	0.001	Actinolite	Actinolite	Actinolite	No Asbestos Detected
Asbestos by Gravimetry	U	2192	%	0.001	0.006	0.001	0.002	
Total Asbestos	N	2192	%	0.001	0.006	0.001	0.002	

Client: AWN Consulting	Chemtest Job No.:				16-12961	16-12961	16-12961	16-12961
Quotation No.:	Chemtest Sample ID.:				303082	303083	303084	303085
Order No.:	Client Sample Ref.:				Main Entrance	Main Entrance	Main Entrance	Main Entrance
	Client Sample ID.:				SS9	SS10	SS11	SS12
	Sample Type:				SOIL	SOIL	SOIL	SOIL
	Date Sampled:				31-May-2016	31-May-2016	31-May-2016	31-May-2016
Determinand	Accred.	SOP	Units	LOD				
ACM Type	U	2192		N/A	Fibres/Clumps	Fibres/Clumps	Fibres/Clumps	Fibres/Clumps
Asbestos Identification	U	2192	%	0.001	Actinolite	Actinolite	Actinolite	Actinolite
Asbestos by Gravimetry	U	2192	%	0.001	0.004	0.005	0.007	0.003
Total Asbestos	N	2192	%	0.001	0.004	0.005	0.007	0.003

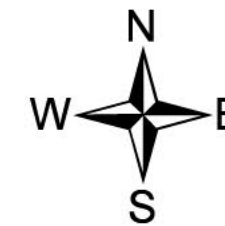
Client: AWN Consulting	Chemtest Job No.:				16-12961	16-12961	16-12961	16-12961
Quotation No.:	Chemtest Sample ID.:				303086	303087	303088	303089
Order No.:	Client Sample Ref.:				Main Entrance	Main Entrance	Main Entrance	Main Entrance
	Client Sample ID.:				SS13	SS14	SS15	SS16
	Sample Type:				SOIL	SOIL	SOIL	SOIL
	Date Sampled:				31-May-2016	31-May-2016	31-May-2016	31-May-2016
Determinand	Accred.	SOP	Units	LOD				
ACM Type	U	2192		N/A	Fibres/Clumps	Fibres/Clumps	Fibres/Clumps	Fibres/Clumps
Asbestos Identification	U	2192	%	0.001	Actinolite	Actinolite	Actinolite	Actinolite
Asbestos by Gravimetry	U	2192	%	0.001	0.001	0.002	0.001	0.004
Total Asbestos	N	2192	%	0.001	0.001	0.002	0.001	0.004

Client: AWN Consulting	Chemtest Job No.:				16-12961	16-12961	16-12961	16-12961
Quotation No.:	Chemtest Sample ID.:				303090	303091	303092	303093
Order No.:	Client Sample Ref.:				Pump Station	Pump Station	Pump Station	Pump Station
	Client Sample ID.:				SS1	SS2	SS3	SS4
	Sample Type:				SOIL	SOIL	SOIL	SOIL
	Date Sampled:				31-May-2016	31-May-2016	31-May-2016	31-May-2016
Determinand	Accred.	SOP	Units	LOD				
ACM Type	U	2192		N/A	Fibres/Clumps	Fibres/Clumps	Fibres/Clumps	Fibres/Clumps
Asbestos Identification	U	2192	%	0.001	Actinolite	Actinolite	Actinolite	Actinolite
Asbestos by Gravimetry	U	2192	%	0.001	0.001	0.003	0.001	0.001
Total Asbestos	N	2192	%	0.001	0.001	0.003	0.001	0.001

Client: AWN Consulting	Chemtest Job No.:				16-12961	16-12961	16-12961	16-12961
Quotation No.:	Chemtest Sample ID.:				303094	303095	303096	303097
Order No.:	Client Sample Ref.:				Pump Station	Pump Station	Pump Station	Pump Station
	Client Sample ID.:				SS5	SS6	SS7	SS8
	Sample Type:				SOIL	SOIL	SOIL	SOIL
	Date Sampled:				31-May-2016	31-May-2016	31-May-2016	31-May-2016
Determinand	Accred.	SOP	Units	LOD				
ACM Type	U	2192		N/A	Fibres/Clumps	Fibres/Clumps	Fibres/Clumps	Fibres/Clumps
Asbestos Identification	U	2192	%	0.001	Actinolite	Actinolite	Actinolite	Actinolite
Asbestos by Gravimetry	U	2192	%	0.001	0.003	0.001	0.001	0.001
Total Asbestos	N	2192	%	0.001	0.003	0.001	0.001	0.001

Client: AWN Consulting	Chemtest Job No.:				16-12961	16-12961	16-12961	16-12961
Quotation No.:	Chemtest Sample ID.:				303098	303099	303100	303101
Order No.:	Client Sample Ref.:				Old Mill Road	Old Mill Road	Old Mill Road	Old Mill Road
	Client Sample ID.:				SS1	SS2	SS2	SS4
	Sample Type:				SOIL	SOIL	SOIL	SOIL
	Date Sampled:				31-May-2016	31-May-2016	31-May-2016	31-May-2016
Determinand	Accred.	SOP	Units	LOD				
ACM Type	U	2192		N/A	Fibres/Clumps	Fibres/Clumps	Fibres/Clumps	Fibres/Clumps
Asbestos Identification	U	2192	%	0.001	Actinolite	Actinolite	Actinolite	Actinolite
Asbestos by Gravimetry	U	2192	%	0.001	0.001	0.001	0.001	0.001
Total Asbestos	N	2192	%	0.001	0.001	0.001	0.001	0.001

Client: AWN Consulting	Chemtest Job No.:				16-12961	16-12961
Quotation No.:	Chemtest Sample ID.:				303102	303103
Order No.:	Client Sample Ref.:				Old Mill Road	Old Mill Road
	Client Sample ID.:				SS5	SS6
	Sample Type:				SOIL	SOIL
	Date Sampled:				31-May-2016	31-May-2016
Determinand	Accred.	SOP	Units	LOD		
ACM Type	U	2192		N/A	Fibres/Clumps	Fibres/Clumps
Asbestos Identification	U	2192	%	0.001	Actinolite	Actinolite
Asbestos by Gravimetry	U	2192	%	0.001	0.001	0.002
Total Asbestos	N	2192	%	0.001	0.001	0.002



Legend

Sampling locations/ Type:

- SS1 ● Soil sampling (01/06/2016)
- G10 ■ Air sampling - Long test
Sampled 31/05/2016
- H1 ■ Air sampling - Long test
Sampled 01/06/2016
- K5 ■ Air sampling - Long test
Sampled 04/06/2016
- M4 ■ Air sampling - Long test
Sampled 06/06/2016

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 Source: ESRI maps

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 The Tecpro Building,
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 Fax: + 353 1 847 4257

CLIENT: Kilsaran Concrete	PROJECT: Sampling Programme	DRAWN: G.W.	CHECKED: T.H.	APPROVED: T.H.	DATE: 04/07/2016
DRAWING TITLE: Rosanna Estate (A. Fox)	Project Ref: TH/16/9020SR01	Figure 1		1	A3
REVISION DESCRIPTION			SHEET	REV	