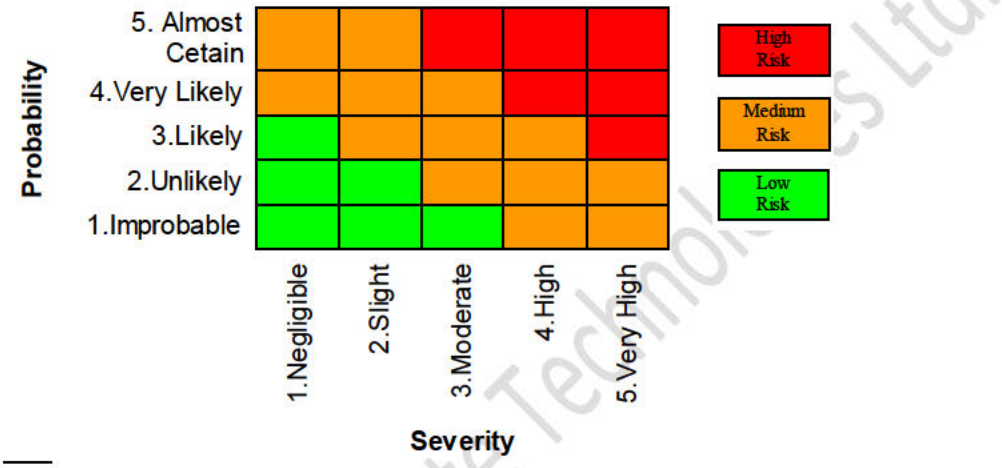
Risk Assessment Chart

ENVIRONMENTAL WASTE TECHNOLOGIES LTD.

173 [redacted]

Risk Assessment Chart



RISK IDENTIFICATION		**Assessment of Hazard** *(SEVERITY)* **1-5**	**Assessment of Risk** *(PROBABILITY)* **1-5**	**Risk Assessment** L / M / H
1.	Exposure to Asbestos	2	2	**Low**
2.	Manual Handling	2	2	**Low**
3.	Noise & Vibration	2	2	**Low**
4.	Slips, Trips & Falls	2	2	**Low**
5.	Bumps & Bruises with Fixed Plant	2	2	**Low**
6.				
7.				
8.				
9				

***NOTE*:**
IF THE OVERALL RISK FACTOR IS LOW (L), FOR ALL HAZARDS IDENTIFIED, THEN NO FURTHER ACTION IS REQUIRED.
IF THE OVERALL RISK FACTOR IS MEDIUM (M) OR HIGH (H) THEN THE REMAINDER OF THIS FORM MUST BE COMPLETED.

Environmental Waste Technologies Ltd.

Risk Assessment Chart

ENVIRONMENTAL WASTE TECHNOLOGIES LTD.

173 [redacted]

CONTROL MEASURES (Control measures that will be used to reduce the risk identified. As an alternative the risk assessments detailed in our Company Safety Statement, suitably amended to take into account the works on this site can be attached to this method statement)	
Exposure to Asbestos	• The asbestos is contained within an enclosure • All operatives are trained in Asbestos Removal • All equipment is DOP tested and labeled • Appropriate R.P.E will be worn by all operatives during removal works • Appropriate P.P.E will be worn by all operatives during removal works • The work area will be a restricted area and an exclusion zone with appropriate warning signs to prevent unauthorized entry will be in effect
Manual Handling	• All items handled by any single operative will be below 20 Kgs • Items exceeding 20 Kgs will be handled by at least 2 operatives • All operatives have been instructed in Manual Handling Techniques
Noise & Vibration	• All machinery is CE rated and has been tested and proved to be below acceptable levels for noise & vibration • Appropriate Ear Protection & Hand Protection are available to the operator
Slips, Trips & Falls	• Good Housekeeping Practices Well Maintained Lighting System
Bumps & Bruises	• Person Protective Equipment, Footwear to be Used • Adequate First Aid Supplies for Bumps & Bruises

Environmental Waste Technologies Ltd.

Operatives Sign Off Sheet

ENVIRONMENTAL WASTE
TECHNOLOGIES LTD.

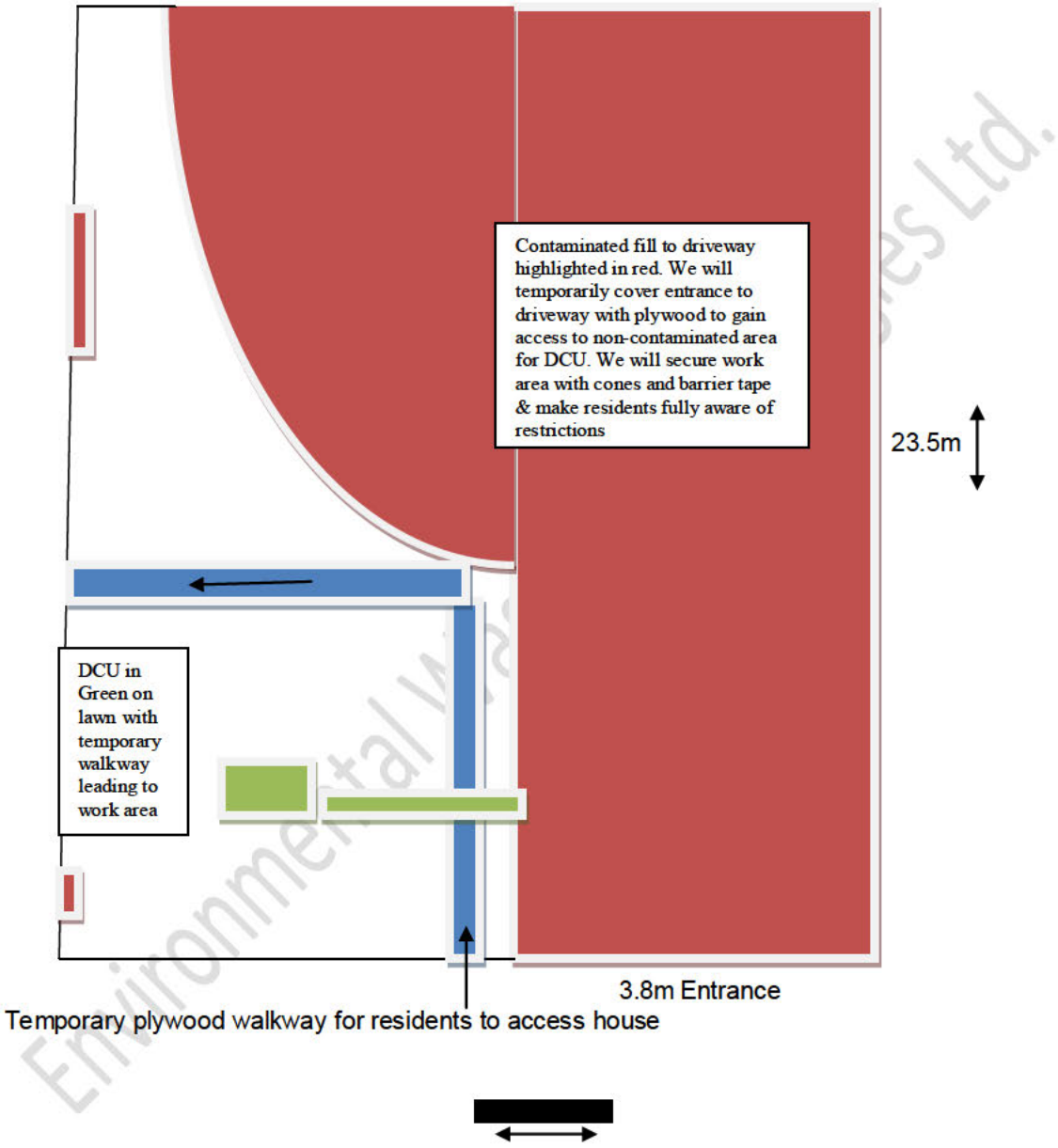
173 [redacted]

Confirmation of communication of this Method Statement

Name Print	Signature	Date

Environmental Waste Technologies Ltd.

Site Layout



UN bags will be stored on driveway as we progress working forward from the entrance so that they may be picked up by Rialta Environmental safely

Site Log Book –

Time	Date	Activity

Environmental Waste Technologies Ltd.

Chemtest
The right chemistry to deliver results
Chemtest Ltd.
Depot Road
Newmarket
CB8 0AL
Tel: 01638 606070
Email: info@chemtest.co.uk

UKAS TESTING
2183

Final Report

Report No.:	16-12750-1
Initial Date of Issue:	01-Jun-2016
Client	AWN Consulting
Client Address:	The Tecpro Building Clonshaugh Business and Techno Dublin 17 Ireland Ireland
Contact(s):	[redacted]
Project	16-9020 Ballinclare, Quarry

Quotation No.:		**Date Received:**	31-May-2016
Order No.:		**Date Instructed:**	31-May-2016
No. of Samples:	6		
Turnaround (Wkdays):	2	**Results Due:**	01-Jun-2016
Date Approved:	01-Jun-2016		

Approved By:

[redacted]

Details: [redacted]

Results - Soil

Project: 16-9020 Ballinclare, Quarry

Client: AWN Consulting				**Chemtest Job No.:**	16-12750	16-12750	16-12750	16-12750	16-12750	16-12750
Quotation No.:				**Chemtest Sample ID.:**	301703	301704	301705	301706	301707	301708
				Client Sample ID.:	SS 1	SS 2	SS 3	SS 4	SS 5	SS 6
				Sample Type:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
				Date Sampled:	30-May-2016	30-May-2016	30-May-2016	30-May-2016	30-May-2016	30-May-2016
Determinand	**Accred.**	**SOP**	**Units**	**LOD**						
ACM Type	U	2192		N/A	Fibres/Clumps	Fibres/Clumps	Fibres/Clumps	Fibres/Clumps	Fibres/Clumps	Fibres/Clumps
Asbestos Identification	U	2192	%	0.001	Actinolite	Actinolite	Actinolite	Actinolite	Actinolite	Actinolite
Asbestos by Gravimetry	U	2192	%	0.001	0.001	0.100	0.001	0.16	0.048	0.099
Total Asbestos	N	2192	%	0.001	0.001	0.100	0.001	0.16	0.048	0.099

Report Information

Key

U	UKAS accredited
M	MCERTS and UKAS accredited
N	Unaccredited
S	This analysis has been subcontracted to a UKAS accredited laboratory that is accredited for this analysis
SN	This analysis has been subcontracted to a UKAS accredited laboratory that is not accredited for this analysis
T	This analysis has been subcontracted to an unaccredited laboratory
I/S	Insufficient Sample
U/S	Unsuitable Sample
N/E	not evaluated
<	"less than"
>	"greater than"

Comments or interpretations are beyond the scope of UKAS accreditation
The results relate only to the items tested
Uncertainty of measurement for the determinands tested are available upon request
None of the results in this report have been recovery corrected
All results are expressed on a dry weight basis
The following tests were analysed on samples as received and the results subsequently corrected to a dry weight basis TPH, BTEX, VOCs, SVOCs, PCBs, Phenols
For all other tests the samples were dried at < 37°C prior to analysis
All Asbestos testing is performed at our Coventry laboratory
Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1

Sample Deviation Codes

A - Date of sampling not supplied
B - Sample age exceeds stability time (sampling to extraction)
C - Sample not received in appropriate containers
D - Broken Container

Sample Retention and Disposal

All soil samples will be retained for a period of 45 days from the date of receipt
All water samples will be retained for 14 days from the date of receipt
Charges may apply to extended sample storage

If you require extended retention of samples, please email your requirements to:
customerservices@chemtest.co.uk

Chemtest
The right chemistry to deliver results
Chemtest Ltd.
Depot Road
Newmarket
CB8 0AL
Tel: 01638 606070
Email: info@chemtest.co.uk

UKAS TESTING
2183

Final Report

Report No.:	16-12468-1
Initial Date of Issue:	27-May-2016
Client	AWN Consulting
Client Address:	The Tecpro Building Clonshaugh Business and Techno Dublin 17 Ireland Ireland
Contact(s):	[redacted]
Project	16-9020 - CONFIDENTIAL

Quotation No.:		**Date Received:**	26-May-2016
Order No.:		**Date Instructed:**	26-May-2016
No. of Samples:	20		
Turnaround (Wkdays):	2	**Results Due:**	27-May-2016
Date Approved:	27-May-2016		

Approved By:
[redacted]

Details: [redacted]

Chemtest
The right chemistry to deliver results

Results - Soil

Project: 16-9020 - CONFIDENTIAL

Client: AWN Consulting		**Chemtest Job No.:**			16-12468	16-12468	16-12468	16-12468	16-12468	16-12468	16-12468	16-12468	16-12468
Quotation No.:		**Chemtest Sample ID.:**			300230	300231	300232	300233	300234	300235	300236	300237	300238
		Client Sample ID.:			SS1	SS2	SS3	SS4	SS5	SS6	SS7	SS8	SS9
		Sample Type:			SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		Date Sampled:			25-May-2016	25-May-2016	25-May-2016	25-May-2016	25-May-2016	25-May-2016	25-May-2016	25-May-2016	25-May-2016
Determinand	**Accred.**	**SOP**	**Units**	**LOD**									
ACM Type	U	2192		N/A	Fibres/Clumps	Fibres/Clumps	Fibres/Clumps	-	-	Fibres/Clumps	Fibres/Clumps	Fibres/Clumps	Fibres/Clumps
Asbestos Identification	U	2192	%	0.001	Actinolite	Actinolite	Actinolite	No Asbestos Detected	No Asbestos Detected	Actinolite	Actinolite	Actinolite	Actinolite
Asbestos by Gravimetry	U	2192	%	0.001	0.001	0.001	0.001			0.001	0.001	0.001	0.001
Total Asbestos	N	2192	%	0.001	0.001	0.001	0.001			0.001	0.001	0.001	0.001

Chemtest
The right chemistry to deliver results

Results - Soil

Project: 16-9020 - CONFIDENTIAL

Client: AWN Consulting		**Chemtest Job No.:**			16-12468	16-12468	16-12468	16-12468	16-12468	16-12468	16-12468	16-12468	16-12468
Quotation No.:		**Chemtest Sample ID.:**			300239	300240	300241	300242	300243	300244	300245	300246	300247
		Client Sample ID.:			SS10	SS11	SS12	SS13	SS14	SS15	SS16	SS17	SR21
		Sample Type:			SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		Date Sampled:			25-May-2016	25-May-2016	25-May-2016	25-May-2016	25-May-2016	25-May-2016	25-May-2016	25-May-2016	25-May-2016
Determinand	**Accred.**	**SOP**	**Units**	**LOD**									
ACM Type	U	2192		N/A	Fibres/Clumps	Fibres/Clumps	Fibres/Clumps	Fibres/Clumps	Fibres/Clumps	Fibres/Clumps	Fibres/Clumps	Fibres/Clumps	Fibres/Clumps
Asbestos Identification	U	2192	%	0.001	Actinolite	Actinolite	Actinolite	Actinolite	Actinolite	Actinolite	Actinolite	Actinolite	Actinolite
Asbestos by Gravimetry	U	2192	%	0.001	0.001	0.001	0.001	4.7	0.001	0.002	0.011	0.001	7.8
Total Asbestos	N	2192	%	0.001	0.001	0.001	0.001	4.7	0.001	0.002	0.011	0.001	7.8

Results - Water

Project: 16-9020 - CONFIDENTIAL

Client: AWN Consulting				**Chemtest Job No.:**	16-12468	16-12468
Quotation No.:				**Chemtest Sample ID.:**	300248	300249
				Client Sample ID.:	WS1	WS2
				Sample Type:	WATER	WATER
				Date Sampled:	25-May-2016	25-May-2016
Determinand	**Accred.**	**SOP**	**Units**	**LOD**		
Asbestos Fibres In Water	N	1185		N/A	See Attached	See Attached

Report Information

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U/S	Unsuitable Sample
N/E	not evaluated
<	"less than"
>	"greater than"

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Issue numbers are sequential starting with 1 all subsequent reports are incremented by 1

Sample Deviation Codes

A - Date of sampling not supplied
B - Sample age exceeds stability time (sampling to extraction)
C - Sample not received in appropriate containers
D - Broken Container

Sample Retention and Disposal

All soil samples will be retained for a period of 45 days from the date of receipt
All water samples will be retained for 14 days from the date of receipt
Charges may apply to extended sample storage

If you require extended retention of samples, please email your requirements to:
customerservices@chemtest.co.uk

Chemtest
The right chemistry to deliver results
Chemtest Ltd.
Depot Road
Newmarket
CB8 0AL
Tel: 01638 606070
Email: info@chemtest.co.uk

UKAS TESTING
2183

Final Report

Report No.:	16-12663-1
Initial Date of Issue:	31-May-2016
Client	AWN Consulting
Client Address:	The Tecpro Building Clonshaugh Business and Techno Dublin 17 Ireland Ireland
Contact(s):	[redacted]
Project	16-9020 Confidential

Quotation No.:		**Date Received:**	27-May-2016
Order No.:		**Date Instructed:**	27-May-2016
No. of Samples:	37		
Turnaround (Wkdays):	2	**Results Due:**	31-May-2016
Date Approved:	31-May-2016		

Approved By: [redacted]

Details: [redacted]

Chemtest
The right chemistry to deliver results

Results - Soil

Project: 16-9020 Confidential

Client: AWN Consulting		**Chemtest Job No.:**			16-12663	16-12663	16-12663	16-12663	16-12663	16-12663	16-12663	16-12663	16-12663
Quotation No.:		**Chemtest Sample ID.:**			301296	301297	301298	301299	301300	301301	301302	301303	301304
		Client Sample ID.:			SS18	SS19	SS20	SS21	SS22	SS23	SS24	SS25	SS26
		Sample Type:			SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		Date Sampled:			26-May-2016	26-May-2016	26-May-2016	26-May-2016	26-May-2016	26-May-2016	26-May-2016	26-May-2016	26-May-2016
Determinand	**Accred.**	**SOP**	**Units**	**LOD**									
ACM Type	U	2192		N/A	Fibres/Clumps	Fibres/Clumps	-	Fibres/Clumps	Fibres/Clumps	-	-	Fibres/Clumps	Fibres/Clumps
Asbestos Identification	U	2192	%	0.001	Actinolite	Actinolite	No Asbestos Detected	Actinolite	Actinolite	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	Actinolite
Asbestos by Gravimetry	U	2192	%	0.001	0.001	12		0.001	0.23			0.001	3.8
Total Asbestos	N	2192	%	0.001	0.001	12		0.001	0.23			0.001	3.8

Chemtest
The right chemistry to deliver results

Results - Soil

Project: 16-9020 Confidential

Client: AWN Consulting			**Chemtest Job No.:**		16-12663	16-12663	16-12663	16-12663	16-12663	16-12663	16-12663	16-12663	16-12663
Quotation No.:			**Chemtest Sample ID.:**		301305	301306	301307	301308	301309	301310	301311	301312	301313
			Client Sample ID.:		SS27	SS29	SS30	SS31	SS32	SS33	SS34	SS35	SS36
			Sample Type:		SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
			Date Sampled:		26-May-2016	26-May-2016	26-May-2016	26-May-2016	26-May-2016	26-May-2016	26-May-2016	26-May-2016	26-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	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	Actinolite	Actinolite	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected	No Asbestos Detected
Asbestos by Gravimetry	U	2192	%	0.001				<0.001	1.4	0.003			
Total Asbestos	N	2192	%	0.001				<0.001	1.4	0.003			

Chemtest
The right chemistry to deliver results

Results - Soil

Project: 16-9020 Confidential

Client: AWN Consulting		**Chemtest Job No.:**			16-12663	16-12663	16-12663	16-12663	16-12663	16-12663	16-12663	16-12663	16-12663
Quotation No.:		**Chemtest Sample ID.:**			301314	301315	301316	301317	301318	301319	301320	301321	301322
		Client Sample ID.:			SS37	SS38	SS39	SS40	SS41	SS42	SS43	SS44	SS45
		Sample Type:			SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
		Date Sampled:			26-May-2016	26-May-2016	26-May-2016	26-May-2016	26-May-2016	26-May-2016	26-May-2016	26-May-2016	26-May-2016
Determinand	**Accred.**	**SOP**	**Units**	**LOD**									
ACM Type	U	2192		N/A	-	Fibres/Clumps	Fibres/Clumps	Fibres/Clumps	-	-	Fibres/Clumps	Fibres/Clumps	Fibres/Clumps
Asbestos Identification	U	2192	%	0.001	No Asbestos Detected	Actinolite	Actinolite	Actinolite	No Asbestos Detected	No Asbestos Detected	Actinolite	Actinolite	Actinolite
Asbestos by Gravimetry	U	2192	%	0.001		0.90	0.005	0.18			0.011	0.003	0.059
Total Asbestos	N	2192	%	0.001		0.90	0.005	0.18			0.011	0.003	0.059

Results - Soil

Project: 16-9020 Confidential

Client: AWN Consulting				**Chemtest Job No.:**	16-12663	16-12663	16-12663	16-12663	16-12663	16-12663	16-12663	16-12663	16-12663
Quotation No.:				**Chemtest Sample ID.:**	301323	301324	301325	301326	301327	301328	301329	301330	301331
				Client Sample ID.:	SS46	SS47	SS48	SS49	SS50	SS51	SS52	SS53	SS54
				Sample Type:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
				Date Sampled:	26-May-2016	26-May-2016	26-May-2016	26-May-2016	26-May-2016	26-May-2016	26-May-2016	26-May-2016	26-May-2016
Determinand	**Accred.**	**SOP**	**Units**	**LOD**									
ACM Type	U	2192		N/A	Fibres/Clumps	Fibres/Clumps	Fibres/Clumps	-	Fibres/Clumps	Fibres/Clumps	Fibres/Clumps	Fibres/Clumps	Fibres/Clumps
Asbestos Identification	U	2192	%	0.001	Actinolite	Actinolite	Actinolite	No Asbestos Detected	Actinolite	Actinolite	Actinolite	Actinolite	Actinolite
Asbestos by Gravimetry	U	2192	%	0.001	0.002	0.014	0.001		0.013	0.001	5.5	0.001	0.001
Total Asbestos	N	2192	%	0.001	0.002	0.014	0.001		0.013	0.001	5.5	0.001	0.001

Results - Soil

Project: 16-9020 Confidential

Client: AWN Consulting			**Chemtest Job No.:**		16-12663
Quotation No.:			**Chemtest Sample ID.:**		301332
			Client Sample ID.:		SS55
			Sample Type:		SOIL
			Date Sampled:		26-May-2016
Determinand	**Accred.**	**SOP**	**Units**	**LOD**	
ACM Type	U	2192		N/A	Fibres/Clumps
Asbestos Identification	U	2192	%	0.001	Actinolite
Asbestos by Gravimetry	U	2192	%	0.001	0.001
Total Asbestos	N	2192	%	0.001	0.001

Report Information

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D - Broken Container

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All water samples will be retained for 14 days from the date of receipt
Charges may apply to extended sample storage

If you require extended retention of samples, please email your requirements to:
customerservices@chemtest.co.uk

From: Edward Porter
To: Jim Fanning
Subject: FW: Kilsaran / Orwell Rd Method Statement 1 of 2
Date: 02 June 2016 10:49:09
Attachments: [redacted] Templeogue - Method Statement & Risk Assessment.pdf

---

Jim,

I have been asked by my colleague, [redacted] to forward the following photos associated with the [redacted] site.

The method statement and risk assessment associated with the removal of this material is also attached.

I will send a second e-mail with additional photos shortly.

Kind regards

[redacted]

AWN Consulting
The Tecpro Building
IDA Business and Technology Park
Clonshaugh
Dublin 17

e: edward.porter@awnconsulting.com
[redacted]
w: www.awnconsulting.com

Click for map View my LinkedIn profile

Please consider the environment before printing this email.
"This communication contains information which is confidential, and is for the exclusive use of the addressee(s). If you are not a named addressee please contact the sender immediately, and delete the communication from your system. Any views or opinions presented are solely those of the author and do not necessarily represent AWN Consulting Limited unless specifically stated."
AWN Consulting Limited registered in Ireland No. 319812

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AWN Consulting Limited registered in Ireland No. 319812

SITE SPECIFIC METHOD STATEMENT FOR THE REMOVAL OF ASBESTOS MATERIALS

CLIENT DETAILS

Kilsarn
Piercetown
Dunboyne
Co. Meath

Contact: Mr. [redacted] Tel No. 086 - [redacted]

SITE DETAILS

173 [redacted]
Tempelogue
Dublin 6W

Contact: Mr. [redacted] Tel No. 086 - [redacted]

ASBESTOS CONSULTANT APPOINTED BY THE CLIENT

AWN Consulting
The Tecpro Building
IDA Business and Technology Park
Clonshaugh
Dublin 17

Contact: Ms. [redacted] Tel No. 01 - [redacted]

ENFORCING AUTHORITIES

Health and Safety Authority
The Metropolitan Building,
James Joyce Street
Dublin 2

Contact: Health & Safety Unit Tel No: 1890 - 289389

ASBESTOS REMOVAL WORKS CARRIED OUT BY

Environmental Waste Technologies Ltd
Unit W10 E Toughers Business Park
Newhall
Naas
Co. Kildare

Contact: Mr. [redacted] Tel No: [redacted]

Environmental Waste Technologies Ltd.

SCOPE OF WORK

Following an instruction from the client Environmental Waste Technologies Ltd has been engaged to carry out the safe removal & packaging of approximately 10,000 Kgs of asbestos contaminated fill used for preparatory ground works at a private residence located at 173 [redacted]

Our works will also include the complete environmental cleaning of the areas from which Environmental Waste Technologies has removed the asbestos contaminated materials.

EMERGENCY CONTACT NUMBERS

HEAD OFFICE:	[redacted]
FAX	045-409388
E-mail	info@ewt.ie
[redacted]	Mobile 086-[redacted]
[redacted]	Mobile 087-[redacted]
[redacted]	Mobile 085-[redacted]
[redacted]	Mobile 086-[redacted]

PREPAROTRY WORKS BY CLIENT PRIOR TOASBESTOS WORKS COMMENCING

1. Removal of all non-contaminated items and equipment from the work areas.
2. Supply of sufficient power and mains pressure water to service decontamination unit, work areas and all specialist plant for the duration of the contract.
3. Supply of location for a decontamination unit
4. Supply of location for a secure area for the storage of asbestos waste during the removal works.
5. To inform, identify & Isolate as necessary all ductwork, pipe work, electrical services and all hazardous energy & items within the works area.

ON SITE ASBESTOS TRAINED SUPERVISOR – [redacted].

The Supervisor's role will be to ensure all work is carried out as outlined in this method statement and to check all plant and machinery is in working order prior to and during asbestos removal works. He will ensure that all operatives are aware of, and adhere to all relevant current Health and Safety Authority legislation documents and guidelines.

The on Site Supervisor has the authority to modify and edit this method statement if changes need to be made on site. Each change will be initialled and signed by the on-site supervisor.

Environmental Waste Technologies Ltd.

TYPE & DURATION OF PROJECT

Proposed start date	Thursday June 2nd 2016
Proposed finish date	Friday June 3rd 2016
Number of employees to be utilised	5
Approximate quantity of asbestos	10,000 Kgs
Working Hours	8.00am – 4.30pm

TYPE & QUANTITY OF ASBESTOS

Number of samples taken	Not Known
Type of Asbestos	Not Known
Form of Asbestos	Stone Pebbles & Rubble
Condition of Asbestos	Fair

CONTROL MEASURES TO BE APPLIED

Environmental Waste Technologies will adapt the following control measures:

- Reduction of exposure at source by the application of fibre suppression techniques.
- Careful handling techniques.
- The use of Respiratory Protective Systems.

EXPECTED EXPOSURE LEVELS

For the purpose of this risk assessment and due to the fact that the asbestos materials are friable it is assumed due to previous experience that exposure levels due to the control measures employed will not exceed the action and control limits for amphibole and serpentine asbestos. The expected exposure, given the control methods selected for this removal procedure and based on previous experience of similar projects, is anticipated to be slightly below the action level of **0.1fibres/cm3**. Personal & background air monitoring will be carried out by the client's consultant to verify the exposure. Due to the asbestos materials concerned we will continue in keeping with best practice use both Personal Protective Clothing and Respiratory Protective Equipment will be used and will be adequate for much higher than anticipated levels.

Given the control measures applied during the removal procedure it is not anticipated that any third party individuals will be exposed.

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SPECIALIST EQUIPMENT & FACILLITES

DECONTAMINATION UNIT (DCU)

A self-contained hygiene unit (i.e. Decontamination Unit) complying with HSE Guidance note EH47. The unit is purpose built, consisting of three separate compartments: *a clean area, a shower area and a dirty area*. A self-closing door physically separates each compartment. Extract ventilation is provided which is designed to provide airflow from the clean end to the dirty end. In all other respects the unit conforms to the requirements of Guidance Note EH47 (*The provision, use and maintenance of hygiene facilities for work with asbestos insulation and coatings).*

Due to the works taking place without an enclosure the Decontamination Unit (DCU) will not be attached to the work area but will be placed as near as is practical to the work area of the to reduce transiting as much as is possible. This unit will be connected to power and water provided by the client. Water will be provided from a dedicated mains supply. Hot water & wastewater to & from the DCU is to be filtered into a foul drainage system, via a filtered water management system specifically manufactured & designed for such purposes.

FIBRE SUPPRESANT TECHNIQUES

All asbestos materials will be sprayed via an airless sprayer with a diluted dampstrip **asbestos penetrant** solution until saturated prior to and during removal.

RESPITORY PROTECTIVE EQUIPMENT

Sundstrom Half Faced SR 100 Negative Pressure Respirators fitted with Particle Filter SR 510 P3R with an SR 221 Pre Filter with an actual protection value of 20 will be used during the works. Personal air monitoring results will be evaluated to ensure the correct RPE is being used.

PERSONAL PROTECTIVE CLOTHING

Microgard type 5 & 6 disposable overalls with elasticised hoods, cuffs and ankles. Coveralls and colour coding for each zone to be used on site for the duration of the contract will be as follows:

- Work Area = Blue
- Other Areas = Blue

During removal works coveralls will be blue disposable coveralls with elasticised hoods, cuffs and ankles. These will be disposed of after each visit inside the live work enclosure, (see **Decontamination Procedures** further in this document). When transiting and during sheeting up and de-tenting procedures operatives will wear blue coveralls with elasticised hoods, cuffs and ankles.

MATERIAL SPECIFICATION

Polythene Sheeting	Heavy duty 1000 gauge
Adhesive Tape	50mm wide
Spray Adhesive	Tretol Masterspray or similar
Expanding Foam	Multifoam N.B.S. gun applied
Asbestos Waste Sacks	550g clear outer bag and red inner bag

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OBJECTIVES

To remove asbestos in such a safe and secure manner so as to restrict fibre release during removal to an absolute minimum and to enable the operational area to be returned for normal occupation on completing of asbestos removal works.

WORK AREA CONSTRUCTION

This requires the formation of an effective restricted area between the designated asbestos work area and adjacent areas. The construction method shall be as follows:

- All none contaminated fixtures fittings and fixed furniture are to be removed before any works commence, as far as is practicable. Any non-contaminated items, which cannot be reasonably removed will be sheeted over and protected from impact damage where necessary. This will be achieved by appropriate use of framework and plastic sheeting.

- The area will be restricted with Harris Fencing with appropriate signage which will restrict entry.

WARNING SIGNS

Warning Signs that clearly demonstrate that asbestos removal is being performed and that entry is restricted will be posted around the work area.

ENTRY TO THEWORK AREA

Access to the work area will be restricted to the following;

- Removal operatives and site supervisor.
- Health and Safety Authority Environmental Health Inspector.
- Asbestos removal consultant(s).

Before entering the work area approved persons must at a minimum:

- Put on type 5/6 coveralls and washable footwear.
- Put on the respirator.
- Enter the work area.

No person shall be admitted to the work area without an adequate medical certificate, insurance cover, protective clothing and respiratory protection equipment.

METHOD OF WORK

In areas where removal is taking place once the work area has been completed and deemed satisfactory by the supervisor, the contaminated material will be misted down and saturated with an asbestos penetrant prior to and continuously during removal

All waste & debris will be carefully hand shovelled by hand and placed in a UN Asbestos labelled and approved disposal bag and made ready for transport. Once gross removal of the asbestos containing materials has been completed, all surfaces will be wet raked so as to remove any asbestos residue that may remain.

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Upon completion of these tasks the site supervisor will then conduct a visual examination of the work area. If the area is deemed satisfactory, he will then inform the client's representative who will conduct a further visual examination of the area. When satisfied that the work area is clean air testing will be carried out by the consultant. When satisfactory results are achieved the site supervisor will then inform the operatives of the results and the work area will be deemed clean and broken down.

Asbestos removal will be undertaken by a team of trained operatives, one of whom will be posted outside the work enclosure to maintain the following;

- Provision of supplies.
- Function of plant and power supply.
- Liaison with the supervising officer.
- To prevent unauthorised access
- To act in the event of emergency.
- Secure and maintain the transit route

DECONTAMINATION PROCEDURES

The decontamination unit will be stocked with adequate supplies of soap, nailbrushes and towels. Operatives will proceed directly to the decontamination unit via the **restricted work area**. In the dirty area of the air lock they will remove boots, gloves and suits, their respirator will be removed and placed in a plastic bag for cleaning which will accompany the operatives as they proceed to the DCU, in the shower area. They will shower hair and body and clean their respirator thoroughly while wet and remove filters and place them in the container provided for their disposal, where possible, posting them back to the dirty end of the hygiene facility. Ensure that respirator face piece is clean both inside and out, after drying, place towels in bags for disposal pass through to the clean area and dress.

The transit route will have a designated operative to keep the transit route clear and to environmentally clean this route by wet wiping and hepa vacuuming immediately after each transit.

WASTE REMOVAL PROCEDURES

All asbestos waste will be handled in accordance with the statutory requirement of the waste management (hazardous waste) regulations 1998 (SI No.163 of 1998) and the European Communities (asbestos waste) regulations 1990 (SI No.30 of 1990), together with guidance note No. EH52 (removal techniques and associated waste handling for asbestos insulation, coating and insulation)

DISPOSAL OF ASBESTOS WASTE

All asbestos waste will be placed in sealed UN bags and transported by a licensed carrier, to the following licensed site for disposal as contaminated waste.

Rilta Environmental Services
Block 402
Greenogue Business Park
Rathcoole
Co. Dublin

Environmental Waste Technologies Ltd.

SITE CLEARANCE

Environmental Waste Technologies Ltd. will not leave the site until the client is completely satisfied with the works.

EMERGENCY PROCEDURES

Emergency procedures to be followed will be as Environmental Waste Technologies Ltd., Asbestos Working Code of Practice. Following any dangerous occurrences or accident, the relevant office of the Health and Safety Authority or Local Authority will be informed. In the event of a fire, priority will be given to evacuating the work area by the quickest possible route. Operatives will familiarise themselves with fire exit routes and location of fire fighting equipment and first aid/hospital facilities prior to commencement of any works on site. Where inadequate facilities exist, they will be supplemented by equipment provided by Environmental Waste Technologies Ltd., commensurate with the nature and duration of works on site. Work enclosures will be constructed so as not to obstruct fire exit routed. In the event of a suspected escape of asbestos fibres, all works within the enclosed area must cease until the source is located and any remedial works and consequent decontamination completed and tested and deemed to be satisfactory so that no re-occurrence is possible before works can resume. The results of any such incident will then be recorded in the site log, including air test results. Suitable records of all incidents will be kept. In the case of elevated airborne fibre levels being recorded outside the enclosed area, all work will stop immediately. The enclosure will be inspected, and any leak or breach found will be immediately repaired, together with the clean up of any resulting contamination. Work will only resume when acceptable levels have been verified by the on-site consultant.

LOCAL EMERGENCY SERVICES	TELEPHONE NUMBERS
Terenure Garda Station	112 / 999
Tallaght Hospital	112 / 999
Fire Brigade	112 / 999

VISITORS TO SITE

Authorised visitors to the site will be directed to report their presence to the site supervisor or the client's representative to receive instruction regarding the layout of the work area(s) and to be advised which areas are inaccessible. No persons will be admitted to the work enclosure without authority from the client or Health and Safety Authority, together with the appropriate protective equipment and evidence of training in its use, plus valid appropriate medical certificate and insurance cover.

MANUAL HANDLING

For the purposes of this contract we do not anticipate that items of plant or waste will exceed 25 kilograms per any one item. As a contingency, if these weights are encountered two operatives working in conjunction will handle any items over and above this weight.

AIR MONITORING

To be carried out by the client's independent 3rd Party Consultant – **AWN Consulting**

Environmental Waste Technologies Ltd.

LEGISLATION, CODES OF PRACTICE & GUIDANCE NOTES

All asbestos works will be carried out in accordance with the following.

- Asbestos-containing Materials (ACMs) in Workplaces - Practical Guidelines on ACM Management and Abatement 2013
- S.H.W.W. (Construction) Regulations, 2013 (S.I. No. 291of 2013).
- S.H.W.W. (Construction) (Amendment) Regulation 2012 (S. I. No. 461 of 2012).
- S.H.W.W. (Construction) (Amendment) (No.2) Regulation 2012 (S. I. No. 481 of 2012).
- S.H.W.W. (Exposure to Asbestos) (Amendment) Regulations 2010 (S.I. No. 589 of 2010).
- S.H.W.W. (General Application) Regulations 2007
- S.H.W.W. (Exposure to Asbestos) Regulations, 2006 (S.I. No. 386 of 2006)
- S.H.W.W. (Carcinogens) Regulations, 2001(S.I. No. 078 of 2001).
- Chemicals (Asbestos Articles) Regulations 2011 (S.I. No. 248 of 2011).
- European Communities (Carriage of Dangerous Goods by Road and Use of Transportable Pressure Equipment) (Amendment) Regulations 2013 (S.I. 238 of 2013)
- European Communities (Carriage of dangerous goods by road and use of transportable pressure equipment) Regulations, 2011 (S.I. No. 349 of 2011).
- European Communities (Asbestos Waste) Regulations, 1990: SI No. 30 of 1990.
- European Communities (Control of Water Pollution by Asbestos) Regulations, 1990: SI No 31 of 1990.
- Air Pollution Act, 1987 (Emission Limit Value for use of Asbestos) Regulations.

LIST OF GUIDANCE NOTES WHEN APPROPRIATE (Prepared by the HSE, UK)

- Approved Code of Practice; Work with Asbestos insulation, asbestos coating and asbestos insulation board.
- Control of Asbestos regulations 2012
- Asbestos Essentials (Where Applicable)

DOCUMENTATION

Copies of the following documents will be on side at all times during asbestos removal works:

- Site Specific Method Statement & Risk Assessment
- Plant Maintenance Certificates
- Operatives Medical and Training Records

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SAFETY STATEMENT/RISK ASSESSMENT FOR ASBESTOS REMOVAL WORKS

Health & Safety Principles & Objectives

- To ensure the working environment is safe and without risks to health.
- To ensure adequate provision has been made with regard to facilities, and arrangements for employee welfare at work.
- Health and safety matters are to be given the highest emphasis.
- To achieve good management from conception through to execution of the works.
- To plan, organise, control, monitor and review health and safety throughout life of project.
- To ensure personnel are competent for the allocated tasks.
- To ensure all equipment used is certified and competent for the allocated tasks.
- To ensure sufficient resources are available to conduct the works in a safe manner.
- To identify all hazards and control the associated risks.

ACTIVITES WITH RISK TO HEALTH & SAFETY

VEHICLE MOVEMENTS

All works vehicles will be parked outside the building in allocated parking spaces.

CONTROL & DISPOSAL OF NON CONTAMINATED WASTE

Litter must not be dropped at any time in the building.

EXCLUSION OF UNAUTHORISED PERSONS

During the works process there will be no access to anyone other than staff engaged in that function. (See **Visitors to site** section of the method statement).

MACHINERY & TRAINING

When choosing equipment account will be taken of work conditions and hazards that it will be suitable for the task. All equipment will be well maintained and carry current test certificates as applicable. The Company will provide appropriate training in the use, maintenance of vacuum cleaners, negative pressure units, decontamination units and other machinery and plant to be used on site.

EMERGENCY PROCEDURES

(See also **emergency procedures** section of our method statement). The work has been planned to reduce the risk of any emergency occurring to the lowest possible level, taking account of the works to be carried out and the site characteristics.

FIRST AID & TREATMENT OF INJURED PERSONS

First Aid will be given by a qualified first aider, namely [redacted] whilst an ambulance is awaited.

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FIRE & THE PREVENTION OF SAME

Any flammable liquids will be stored separately and in appropriate containers. Where possible, a non-flammable alternative will be used. Environmental Waste Technologies Ltd., employ a no-smoking policy on site at all times. Check when leaving site (whether lunch time or end of shift) to ensure any sources of ignition are safe/extinguished. No rubbish is allowed to build up on site, especially near sources of ignition and flammable materials. Fire extinguishers to be made available – appropriate for the type and nature of potential fire. Location of nearest accident and emergency unit will be established and all operatives will be informed prior to works commencing.

SITE RULES

The following rules are to be brought to the attention of all persons entering the site compound by the site supervisor.

HOUSEKEEPING

All directions given by the site supervisor are to be followed. Equipment and materials are to be stored in designated areas. **NO LITTER**. Walkways, exit routes are to be kept clear. For instructions regarding contaminated waste, please refer to **Disposal of asbestos waste** section of our method statement.

ACCIDENT REPORTING.

Any accidents or incidents occurring on site must be reported to the site supervisor, who will be responsible for determining and instigating any action necessary. Details are to be recorded in the daily site log as a minimum.

PROTECTIVE CLOTHING

In conjunction with the relevant section of our method statement what all personnel entering the works area are to wear Personal Protective Equipment, disposable coveralls and steel toe capped Wellingtons & Respiratory Protective Equipment.

DECONTAMINATION PROCEDURES

All persons entering and exiting the enclosure must go through full decontamination procedures as detailed in our **entry to the work enclosure/decontamination procedures** sections of our method statement.

MONITORING & STANDARDS OF WORK

The site supervisor will carry our daily checks of the site. Should any non-compliance of the rules be highlighted during this check, an investigation will be carried out to determine the cause of this non-compliance. The site supervisor will then take appropriate action, which will be dependent upon the extent of the non-compliance. He will also supervise the operatives and their work on a daily basis to ensure that all instructions are being followed and good health and safety practices and control measures are being adhered to.

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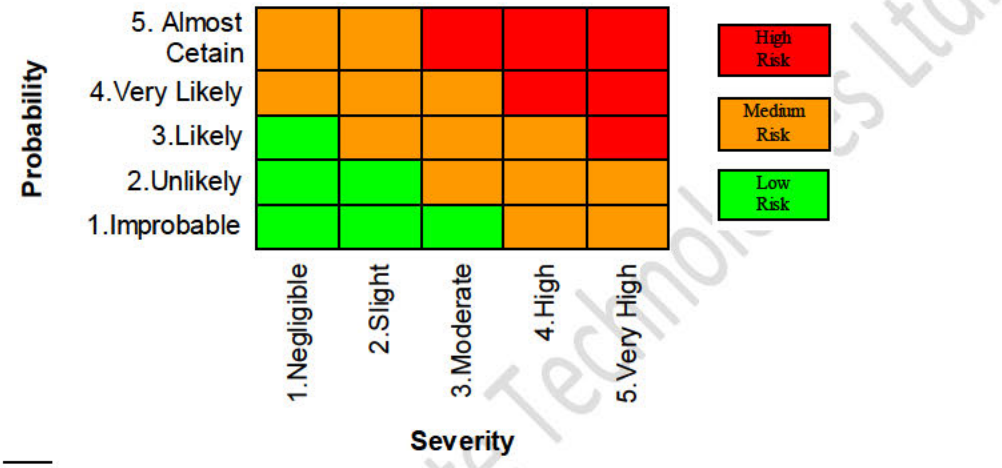
Risk Assessment Chart

ENVIRONMENTAL WASTE TECHNOLOGIES LTD.

173 [redacted]

Risk Assessment Chart



RISK IDENTIFICATION		Assessment of Hazard *(SEVERITY)* 1-5	Assessment of Risk *(PROBABILITY)* 1-5	Risk Assessment L / M / H
1.	Exposure to Asbestos	2	2	**Low**
2.	Manual Handling	2	2	**Low**
3.	Noise & Vibration	2	2	**Low**
4.	Slips, Trips & Falls	2	2	**Low**
5.	Bumps & Bruises with Fixed Plant	2	2	**Low**
6.				
7.				
8.				
9				

***NOTE*:**
IF THE OVERALL RISK FACTOR IS LOW (L), FOR ALL HAZARDS IDENTIFIED, THEN NO FURTHER ACTION IS REQUIRED.
IF THE OVERALL RISK FACTOR IS MEDIUM (M) OR HIGH (H) THEN THE REMAINDER OF THIS FORM MUST BE COMPLETED.

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Risk Assessment Chart

ENVIRONMENTAL WASTE TECHNOLOGIES LTD.

[redacted]

CONTROL MEASURES (Control measures that will be used to reduce the risk identified. As an alternative the risk assessments detailed in our Company Safety Statement, suitably amended to take into account the works on this site can be attached to this method statement)	
Exposure to Asbestos	• The asbestos is contained within an enclosure • All operatives are trained in Asbestos Removal • All equipment is DOP tested and labeled • Appropriate R.P.E will be worn by all operatives during removal works • Appropriate P.P.E will be worn by all operatives during removal works • The work area will be a restricted area and an exclusion zone with appropriate warning signs to prevent unauthorized entry will be in effect
Manual Handling	• All items handled by any single operative will be below 20 Kgs • Items exceeding 20 Kgs will be handled by at least 2 operatives • All operatives have been instructed in Manual Handling Techniques
Noise & Vibration	• All machinery is CE rated and has been tested and proved to be below acceptable levels for noise & vibration • Appropriate Ear Protection & Hand Protection are available to the operator
Slips, Trips & Falls	• Good Housekeeping Practices Well Maintained Lighting System
Bumps & Bruises	• Person Protective Equipment, Footwear to be Used • Adequate First Aid Supplies for Bumps & Bruises

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Operatives Sign Off Sheet

ENVIRONMENTAL WASTE
TECHNOLOGIES LTD.

[redacted]

Confirmation of communication of this Method Statement

Name Print	Signature	Date

Environmental Waste Technologies Ltd.

Site Log Book –

Time	Date	Activity

Environmental Waste Technologies Ltd.