



CONSULTING ENGINEERS

**CIVIL • STRUCTURAL
GEOTECHNICAL • ENVIRONMENTAL**

MD/ST/17040

12th October 2020

Anwyl Construction & Bellway Homes
Anwyl House 2 Alderman Road
St Davids Park Liverpool
Ewloe Merseyside
CH5 3DT L24 9LR

Attn: Mr P Harkness & Ms L Jones

**RE: VALIDATION OF THE REMOVAL OF ANIMAL REMAINS AT THE DEVELOPMENT SITE
LOCATED AT GRESFORD ROAD, LLAY, WREXHAM**

Dear Phil/Lorraine,

We have been commissioned by Anwyl and Bellway Homes to undertake the validation of the removal of animal remains previously identified during the REFA investigation at your development site located at Gresford Road, Llay.

REFA attended site on the 2nd July 2019 along with representatives from the APHA and Wrexham Borough Council along with representatives from Enviroclear.

On arrival initial stripping works were carried out to identify disturbed ground and then the excavation was deepened until animal remains were identified. The remains exposed appeared to be bovine and the removal of all animal remains were carried out by Enviroclear. All animal remains were placed in to segregated waste bins. Works were carried out until a depth of 2.1m below existing ground level where natural undisturbed clay strata was identified. Excavations were then extended laterally until undisturbed ground was identified. The extent of the excavation was accurately surveyed and is shown upon the appended animal burial validation plan (17040/56). Photographs of the works are appended to this report for reference. Following the completion of the removal of animal remains verification samples were taken from the excavation to confirm the suitability for retention within the site.

Soil samples were obtained and delivered to Element laboratories who are a UKAS and MCERT accredited laboratory. The analysis has been reviewed within table 1 and 2 below. The full analysis is appended to this report for reference.

ROBERT E FRY & ASSOCIATES LTD.
45, Bridgeman Terrace
Wigan, WN1 1TT

Telephone: 01942 826020
Fax: 01942 230816
Email: mail@refa.co.uk
Company Registration No. 2436911



Table 1: Summary of Contamination Analysis: Metals & Inorganics					
	No. of Samples	Range of Values (mg/kg)	Assessment Criteria (mg/kg)	No. of Samples Failing	Locations
Arsenic	5	4.3 – 7.5	37 ³	0	-
Cadmium	5	<0.1 – 0.2	11.0 ³	0	-
Chromium (total)	5	46.0 – 56.9	910 ³	0	-
Copper	5	14.0 – 25.0	2400 ³	0	-
Lead	5	14.0 – 75.0	200 ¹	0	-
Mercury	5	<0.1	40 ³	0	-
Nickel	5	12.7 – 27.8	180 ³	0	-
Selenium	5	<1.0	250 ³	0	-
Zinc	5	33.0 – 113.0	3700 ³	0	-
Total Cyanide	5	<0.5	34 ²	0	-
Phenol	5	<0.15	120 ³	0	-
pH	5	7.54 – 8.35	-	0	-
SOM	5	0.24 – 2.88	-	0	-
Asbestos	5	ND	Present/Absent	0	-
¹ DEFRA : SP1010 : Category 4 Screening Levels ² Atkins Atrisk SSV residential without home grown produce (1% SOM) ³ LQM and CIEH S4UL's for Human Health Risk Assessment (Registration No. S4UL 3265) residential with home grown produce (1% SOM) ⁴ BRE Special Digest 1:2005 DS-1 ND – None Detected					

A review of Table 1 has confirmed that no exceedances of the adopted assessment criteria has been recorded. Asbestos screening has also confirmed that the material is free from asbestos fibres.

Table 2: Summary of Contamination Analysis: Organics: PAH USEPA 16 Suite					
	No. of Samples	Range of Values (mg/kg)	Assessment Criteria¹ (mg/kg)	No. of Samples Failing	Locations
Acenaphthene	5	<0.05	210	0	-
Acenaphthylene	5	<0.03	170	0	-
Anthracene	5	<0.04 – 0.06	2400	0	-
Benzo[a]anthracene	5	<0.06 – 0.13	7.2	0	-
Benzo[a]pyrene	5	<0.04 – 0.13	5.0 ²	0	-
Benzo[b]fluoranthene	5	<0.05 – 0.17	2.6	0	-
Benzo[ghi]perylene	5	<0.04 – 0.09	320	0	-
Benzo[k]fluoranthene	5	<0.02 – 0.06	77.0	0	-
Chrysene	5	<0.02 – 0.13	15.0	0	-
Dibenz[ah]anthracene	5	<0.04	0.24	0	-
Fluoranthene	5	<0.03 – 0.27	280	0	-
Fluorene	5	<0.04	170	0	-
Indeno[123-cd]pyrene	5	<0.04 – 0.1	27.0	0	-
Naphthalene	5	<0.04	2.3	0	-
Phenanthrene	5	<0.03 – 0.19	95.0	0	-
Pyrene	5	<0.03 – 0.23	620	0	-
¹ LQM & CIEH S4UL's for human health risk assessment (Registration No. S4UL 3265) – Residential with home grown produce (1% SOM) ² DEFRA : SP1010 : Category 4 Screening Levels					

A review of Table 2 has confirmed that the soils have not recorded any exceedances of the adopted assessment criteria for any PAH compounds.

Conclusion

We can confirm that the animal remains identified during the REFA investigation have now been removed and disposed of by Enviroclear. Invoices associated with the works are appended to this report for reference confirming the appropriate removal of animal remains. All works were carried out under the presence of representatives from the APHA and Wrexham Borough Council.

Analysis of the soils has confirmed its suitability for retention within the site and no further remedial work is required within this location.

It is noted that within the remediation strategy (17040/REM/A) a watching brief by the ground worker should be carried out to identify any further animal remains. If animal remains are identified then work should cease and REFA, APHA and duty vet should be noted to attend site to complete the removal of any potential further animal remains.

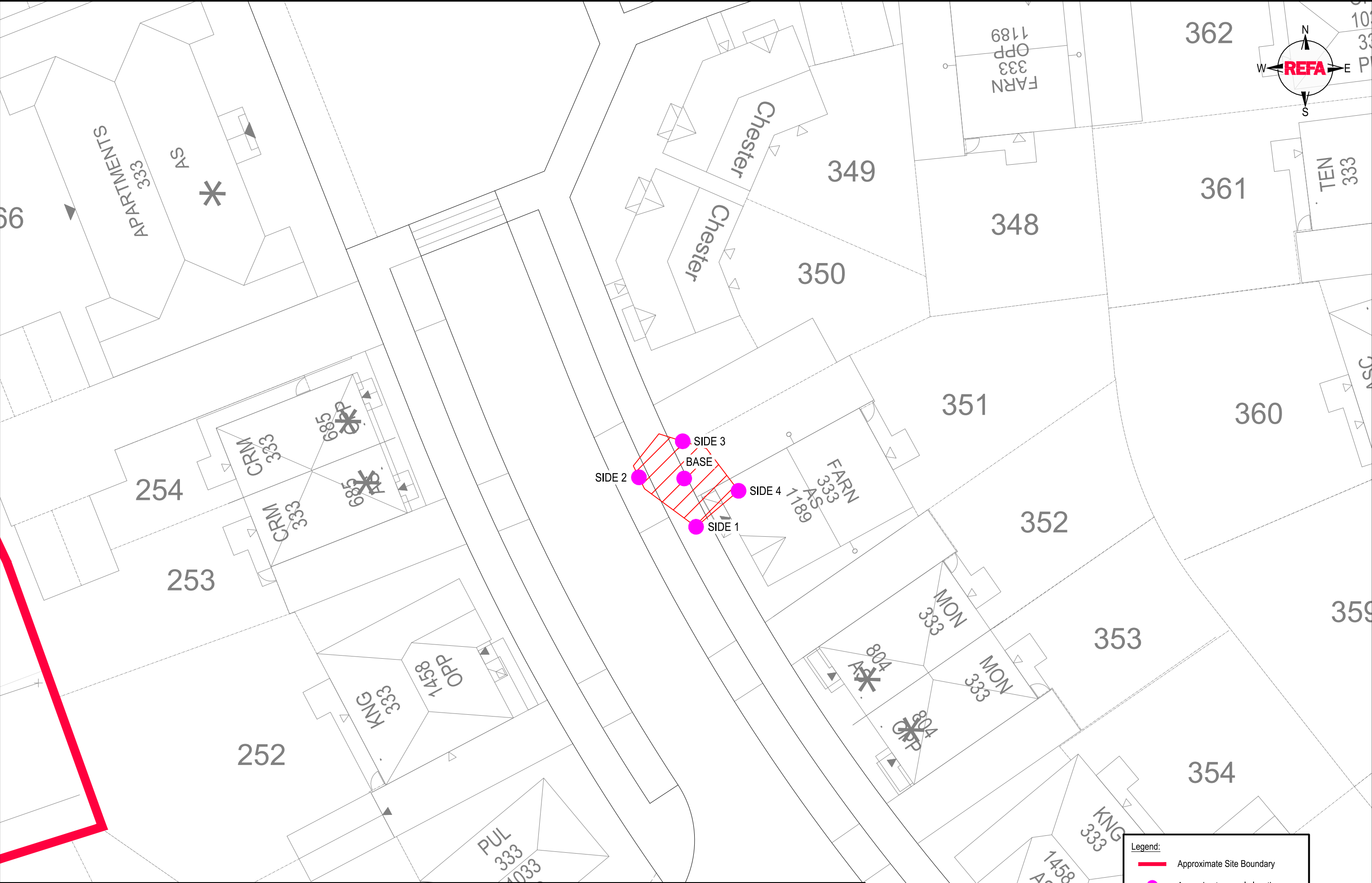
We trust that this information meets with your requirements at this time but if you do require anything further or have any queries then please do not hesitate to contact us.

Yours Sincerely



Mark Davies B Sc (Hons), FGS

Enc: Animal Burial Validation Plan (17040/46)
Site Photographs
Element Laboratory Results
Disposal Invoices & Correspondence





CONSULTING ENGINEERS
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45 Bridgeman Terrace
Wigan
Lancashire
WN1 1TT
(01942) 826 020

Email : Info@refa.co.uk
Web: www.refa.co.uk

Client:	ANWYL HOMES/BELLWAY HOMES	Scale:	1:200	Drawn:	AP		
Project:	GRESFORD ROAD, LLAY, WREXHAM	Sheet Size:	A3	Date:	12.10.20	Rev	
Drawing Title:	ANIMAL BURIAL VALIDATION PLAN	Drawing No:	17050/46	Approved:	MD	Revision Details	

SCALE IN METRES

0 1 2 4 10

Legend:

- Approximate Site Boundary
- Approximate sample location
- Location where cow remains have been excavated and removed in the presents of APHA and duty vet

Animal Remains Validation Photographs – Gresford Road, Llay

Photo 1 – Initial excavation



Photo 2 – Exposed remains



Photo 3 – Collection and segregation of animal remains



Photo 4 – Further remains



Photo 5 – Further remains segregated



Photo 6 – Completion of the excavation



Photo 7 – Backfill of the excavation using natural clay arisings generated from the groundworks



Photo 8 – Further backfilling works

Robert E Fry & Associates Ltd
45 Bridgeman Terrace
Wigan
WN1 1TT



Attention :	Matthew Dowling
Date :	10th July, 2019
Your reference :	MD/ST/17040
Our reference :	Test Report 19/10753 Batch 1
Location :	Gresford Road, Llay
Date samples received :	4th July, 2019
Status :	Final report
Issue :	1

Five samples were received for analysis on 4th July, 2019 of which five were scheduled for analysis. Please find attached our Test Report which should be read with notes at the end of the report and should include all sections if reproduced. Interpretations and opinions are outside the scope of any accreditation, and all results relate only to samples supplied.
All analysis is carried out on as received samples and reported on a dry weight basis unless stated otherwise. Results are not surrogate corrected.

Compiled By:

Lucas Halliwell
Project Co-ordinator

Please include all sections of this report if it is reproduced

Element Materials Technology

Client Name: Robert E Fry & Associates Ltd
Reference: MD/ST/17040
Location: Gresford Road, Llay
Contact: Matthew Dowling
EMT Job No: 19/10753

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

EMT Sample No.	1	2	3	4	5						Please see attached notes for all abbreviations and acronyms		
Sample ID	SIDE 1	SIDE 2	SIDE 3	SIDE 4	BASE								
Depth	1.20	1.30	1.60	1.80	2.10								
COC No / misc													
Containers	J	J	J	J	J								
Sample Date	02/07/2019	02/07/2019	02/07/2019	02/07/2019	02/07/2019								
Sample Type	Soil	Soil	Soil	Soil	Soil								
Batch Number	1	1	1	1	1								
Date of Receipt	04/07/2019	04/07/2019	04/07/2019	04/07/2019	04/07/2019						LOD/LOR	Units	Method No.
Arsenic [#]	4.3	7.2	6.3	7.5	6.8						<0.5	mg/kg	TM30/PM15
Cadmium [#]	<0.1	0.2	0.2	0.5	<0.1						<0.1	mg/kg	TM30/PM15
Chromium [#]	53.6	56.9	53.8	46.0	51.0						<0.5	mg/kg	TM30/PM15
Copper [#]	14	21	20	25	20						<1	mg/kg	TM30/PM15
Lead [#]	17	18	16	75	14						<5	mg/kg	TM30/PM15
Mercury [#]	<0.1	<0.1	<0.1	<0.1	<0.1						<0.1	mg/kg	TM30/PM15
Nickel [#]	12.7	22.6	27.8	18.7	18.5						<0.7	mg/kg	TM30/PM15
Selenium [#]	<1	<1	<1	<1	1						<1	mg/kg	TM30/PM15
Zinc [#]	33	48	52	113	41						<5	mg/kg	TM30/PM15
PAH MS													
Naphthalene [#]	<0.04	<0.04	<0.04	<0.04	<0.04						<0.04	mg/kg	TM4/PM8
Acenaphthylene	<0.03	<0.03	<0.03	<0.03	<0.03						<0.03	mg/kg	TM4/PM8
Acenaphthene [#]	<0.05	<0.05	<0.05	<0.05	<0.05						<0.05	mg/kg	TM4/PM8
Fluorene [#]	<0.04	<0.04	<0.04	<0.04	<0.04						<0.04	mg/kg	TM4/PM8
Phenanthrene [#]	0.06	<0.03	<0.03	0.19	<0.03						<0.03	mg/kg	TM4/PM8
Anthracene [#]	<0.04	<0.04	<0.04	0.06	<0.04						<0.04	mg/kg	TM4/PM8
Fluoranthene [#]	0.10	<0.03	<0.03	0.27	<0.03						<0.03	mg/kg	TM4/PM8
Pyrene [#]	0.10	<0.03	<0.03	0.23	<0.03						<0.03	mg/kg	TM4/PM8
Benzo(a)anthracene [#]	0.08	<0.06	<0.06	0.13	<0.06						<0.06	mg/kg	TM4/PM8
Chrysene [#]	0.06	<0.02	<0.02	0.13	<0.02						<0.02	mg/kg	TM4/PM8
Benzo(bk)fluoranthene [#]	0.11	<0.07	<0.07	0.23	<0.07						<0.07	mg/kg	TM4/PM8
Benzo(a)pyrene [#]	0.06	<0.04	<0.04	0.13	<0.04						<0.04	mg/kg	TM4/PM8
Indeno(123cd)pyrene	<0.04	<0.04	<0.04	0.10	<0.04						<0.04	mg/kg	TM4/PM8
Dibenzo(ah)anthracene [#]	<0.04	<0.04	<0.04	<0.04	<0.04						<0.04	mg/kg	TM4/PM8
Benzo(ghi)perylene [#]	0.05	<0.04	<0.04	0.09	<0.04						<0.04	mg/kg	TM4/PM8
PAH 16 Total	0.6	<0.6	<0.6	1.6	<0.6						<0.6	mg/kg	TM4/PM8
Benzo(b)fluoranthene	0.08	<0.05	<0.05	0.17	<0.05						<0.05	mg/kg	TM4/PM8
Benzo(k)fluoranthene	0.03	<0.02	<0.02	0.06	<0.02						<0.02	mg/kg	TM4/PM8
PAH Surrogate % Recovery	101	98	101	100	98						<0	%	TM4/PM8
Total Phenols HPLC	<0.15	<0.15	<0.15	0.15	<0.15						<0.15	mg/kg	TM26/PM21
Natural Moisture Content	19.4	21.7	20.3	28.1	15.1						<0.1	%	PM4/PM0
Moisture Content (% Wet Weight)	16.3	17.8	16.8	22.0	13.1						<0.1	%	PM4/PM0
Sulphate as SO4 (2:1 Ext) [#]	0.3429	0.0780	0.1450	0.6638	0.0541						<0.0015	g/l	TM38/PM20
Total Cyanide [#]	<0.5	<0.5	<0.5	<0.5	<0.5						<0.5	mg/kg	TM89/PM45
Total Organic Carbon [#]	0.47	0.67	0.51	1.68	0.14						<0.02	%	TM21/PM24
Sulphide	<10	<10	<10	<10	<10						<10	mg/kg	TM107/PM119

Element Materials Technology

Client Name: Robert E Fry & Associates Ltd
Reference: MD/ST/17040
Location: Gresford Road, Llay
Contact: Matthew Dowling
EMT Job No: 19/10753

Report : Solid

Solids: V=60g VOC jar, J=250g glass jar, T=plastic tub

[illegible]

Note:

Opinions, including ACM type and Asbestos level less than 0.1%, lie outside the scope of our UKAS accreditation.

Where the sample is not taken by a Element Materials Technology consultant, Element Materials Technology cannot be responsible for inaccurate or unrepresentative sampling.

[Handwritten signature]

EMT Job No.	Batch	Sample ID	Depth	EMT Sample No.	Date Of Analysis	Analysis	Result
19/10753	1	SIDE 1	1.20	1	04/07/2019	General Description (Bulk Analysis)	soil-stones
					04/07/2019	Asbestos Fibres	NAD
					04/07/2019	Asbestos ACM	NAD
					04/07/2019	Asbestos Type	NAD
					04/07/2019	Asbestos Level Screen	NAD
19/10753	1	SIDE 2	1.30	2	04/07/2019	General Description (Bulk Analysis)	soil-stones
					04/07/2019	Asbestos Fibres	NAD
					04/07/2019	Asbestos ACM	NAD
					04/07/2019	Asbestos Type	NAD
					04/07/2019	Asbestos Level Screen	NAD
19/10753	1	SIDE 3	1.60	3	04/07/2019	General Description (Bulk Analysis)	Soil/Stones
					04/07/2019	Asbestos Fibres	NAD
					04/07/2019	Asbestos ACM	NAD
					04/07/2019	Asbestos Type	NAD
					04/07/2019	Asbestos Level Screen	NAD
19/10753	1	SIDE 4	1.80	4	04/07/2019	General Description (Bulk Analysis)	Soil/Stones
					04/07/2019	Asbestos Fibres	NAD
					04/07/2019	Asbestos ACM	NAD
					04/07/2019	Asbestos Type	NAD
					04/07/2019	Asbestos Level Screen	NAD
19/10753	1	BASE	2.10	5	04/07/2019	General Description (Bulk Analysis)	soil-stones
					04/07/2019	Asbestos Fibres	NAD
					04/07/2019	Asbestos ACM	NAD
					04/07/2019	Asbestos Type	NAD
					04/07/2019	Asbestos Level Screen	NAD

Client Name: Robert E Fry & Associates Ltd

Reference: MD/ST/17040

Location: Gresford Road, Llay

Contact: Matthew Dowling

[illegible]

Please note that only samples that are deviating are mentioned in this report. If no samples are listed it is because none were deviating. Only analyses which are accredited are recorded as deviating if set criteria are not met.

NOTES TO ACCOMPANY ALL SCHEDULES AND REPORTS

EMT Job No: 19/10753

SOILS

Please note we are only MCERTS accredited (UK soils only) for sand, loam and clay and any other matrix is outside our scope of accreditation.

Where an MCERTS report has been requested, you will be notified within 48 hours of any samples that have been identified as being outside our MCERTS scope. As validation has been performed on clay, sand and loam, only samples that are predominantly these matrices, or combinations of them will be within our MCERTS scope. If samples are not one of a combination of the above matrices they will not be marked as MCERTS accredited.

It is assumed that you have taken representative samples on site and require analysis on a representative subsample. Stones will generally be included unless we are requested to remove them.

All samples will be discarded one month after the date of reporting, unless we are instructed to the contrary.

If you have not already done so, please send us a purchase order if this is required by your company.

Where appropriate please make sure that our detection limits are suitable for your needs, if they are not, please notify us immediately.

All analysis is reported on a dry weight basis unless stated otherwise. Results are not surrogate corrected. Samples are dried at 35°C ±5°C unless otherwise stated. Moisture content for CEN Leachate tests are dried at 105°C ±5°C.

Where Mineral Oil or Fats, Oils and Grease is quoted, this refers to Total Aliphatics C10-C40.

Where a CEN 10:1 ZERO Headspace VOC test has been carried out, a 10:1 ratio of water to wet (as received) soil has been used.

% Asbestos in Asbestos Containing Materials (ACMs) is determined by reference to HSG 264 The Survey Guide - Appendix 2 : ACMs in buildings listed in order of ease of fibre release.

Negative Neutralization Potential (NP) values are obtained when the volume of NaOH (0.1N) titrated (pH 8.3) is greater than the volume of HCl (1N) to reduce the pH of the sample to 2.0 - 2.5. Any negative NP values are corrected to 0.

The calculation of Pyrite content assumes that all oxidisable sulphides present in the sample are pyrite. This may not be the case. The calculation may be an overestimate when other sulphides such as Barite (Barium Sulphate) are present.

WATERS

Please note we are not a UK Drinking Water Inspectorate (DWI) Approved Laboratory .

ISO17025 accreditation applies to surface water and groundwater and usually one other matrix which is analysis specific, any other liquids are outside our scope of accreditation.

As surface waters require different sample preparation to groundwaters the laboratory must be informed of the water type when submitting samples.

Where Mineral Oil or Fats, Oils and Grease is quoted, this refers to Total Aliphatics C10-C40.

DEVIATING SAMPLES

All samples should be submitted to the laboratory in suitable containers with sufficient ice packs to sustain an appropriate temperature for the requested analysis. The temperature of sample receipt is recorded on the confirmation schedules in order that the client can make an informed decision as to whether testing should still be undertaken.

SURROGATES

Surrogate compounds are added during the preparation process to monitor recovery of analytes. However low recovery in soils is often due to peat, clay or other organic rich matrices. For waters this can be due to oxidants, surfactants, organic rich sediments or remediation fluids. Acceptable limits for most organic methods are 70 - 130% and for VOCs are 50 - 150%. When surrogate recoveries are outside the performance criteria but the associated AQC passes this is assumed to be due to matrix effect. Results are not surrogate corrected.

DILUTIONS

A dilution suffix indicates a dilution has been performed and the reported result takes this into account. No further calculation is required.

BLANKS

Where analytes have been found in the blank, the sample will be treated in accordance with our laboratory procedure for dealing with contaminated blanks.

NOTE

Data is only reported if the laboratory is confident that the data is a true reflection of the samples analysed. Data is only reported as accredited when all the requirements of our Quality System have been met. In certain circumstances where all the requirements of the Quality System have not been met, for instance if the associated AQC has failed, the reason is fully investigated and documented. The sample data is then evaluated alongside the other quality control checks performed during analysis to determine its suitability. Following this evaluation, provided the sample results have not been effected, the data is reported but accreditation is removed. It is a UKAS requirement for data not reported as accredited to be considered indicative only, but this does not mean the data is not valid.

Where possible, and if requested, samples will be re-extracted and a revised report issued with accredited results. Please do not hesitate to contact the laboratory if further details are required of the circumstances which have led to the removal of accreditation.

REPORTS FROM THE SOUTH AFRICA LABORATORY

Any method number not prefixed with SA has been undertaken in our UK laboratory unless reported as subcontracted.

Measurement Uncertainty

Measurement uncertainty defines the range of values that could reasonably be attributed to the measured quantity. This range of values has not been included within the reported results. Uncertainty expressed as a percentage can be provided upon request.

ABBREVIATIONS and ACRONYMS USED

#	ISO17025 (UKAS Ref No. 4225) accredited - UK.
SA	ISO17025 (SANAS Ref No.T0729) accredited - South Africa.
B	Indicates analyte found in associated method blank.
DR	Dilution required.
M	MCERTS accredited.
NA	Not applicable
NAD	No Asbestos Detected.
ND	None Detected (usually refers to VOC and/SVOC TICs).
NDP	No Determination Possible
SS	Calibrated against a single substance
SV	Surrogate recovery outside performance criteria. This may be due to a matrix effect.
W	Results expressed on as received basis.
+	AQC failure, accreditation has been removed from this result, if appropriate, see 'Note' on previous page.
++	Result outside calibration range, results should be considered as indicative only and are not accredited.
*	Analysis subcontracted to an Element Materials Technology approved laboratory.
AD	Samples are dried at 35°C ±5°C
CO	Suspected carry over
LOD/LOR	Limit of Detection (Limit of Reporting) in line with ISO 17025 and MCERTS
ME	Matrix Effect
NFD	No Fibres Detected
BS	AQC Sample
LB	Blank Sample
N	Client Sample
TB	Trip Blank Sample
OC	Outside Calibration Range

EMT Job No: 19/10753

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS/ANAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
PM4	Gravimetric measurement of Natural Moisture Content and % Moisture Content at either 35°C or 105°C. Calculation based on ISO 11465 and BS1377.	PM0	No preparation is required.			AR	
TM4	Modified USEPA 8270 method for the solvent extraction and determination of 16 PAHs by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.			AR	Yes
TM4	Modified USEPA 8270 method for the solvent extraction and determination of 16 PAHs by GC-MS.	PM8	End over end extraction of solid samples for organic analysis. The solvent mix varies depending on analysis required.	Yes		AR	Yes
TM21	Modified BS 7755-3:1995, ISO10694:1995 Determination of Total Organic Carbon or Total Carbon by combustion in an Eltra TOC furnace/analyser in the presence of oxygen. The CO ₂ generated is quantified using infra-red detection. Organic Matter (SOM) calculated as per EA MCERTS Chemical Testing of Soil, March 2012 v4.	PM24	Dried and ground solid samples are washed with hydrochloric acid, then rinsed with deionised water to remove the mineral carbon before TOC analysis.	Yes		AD	Yes
TM26	Determination of phenols by Reversed Phased High Performance Liquid Chromatography and Electro-Chemical Detection.	PM21	As received solid or water samples are extracted in Methanol: Sodium Hydroxide (0.1M NaOH) (60:40) by orbital shaker.			AR	Yes
TM30	Determination of Trace Metal elements by ICP-OES (Inductively Coupled Plasma - Optical Emission Spectrometry). Modified US EPA Method 200.7, 6010B and BS EN ISO 11885 2009	PM15	Acid digestion of dried and ground solid samples using Aqua Regia refluxed at 112.5 °C. Samples containing asbestos are not dried and ground.	Yes		AD	Yes
TM38	Soluble Ion analysis using Discrete Analyser. Modified US EPA methods 325.2 (Chloride), 375.4 (Sulphate), 365.2 (o-Phosphate), 353.1 (TON), 354.1 (Nitrite), 350.1 (NH ₄ ⁺) comparable to BS ISO 15923-1, 7196A (Hex Cr)	PM20	Extraction of dried and ground or as received samples with deionised water in a 2:1 water to solid ratio using a reciprocal shaker for all analytes except hexavalent chromium. Extraction of as received sample using 10:1 ratio of 0.2M sodium hydroxide to soil for hexavalent chromium using a reciprocal shaker.	Yes		AD	Yes
TM65	Asbestos Bulk Identification method based on HSG 248.	PM42	Solid samples undergo a thorough visual inspection for asbestos fibres prior to asbestos identification using TM065.	Yes		AR	
TM73	Modified US EPA methods 150.1 and 9045D and BS1377:1990. Determination of pH by Metrohm automated probe analyser.	PM11	Extraction of as received solid samples using one part solid to 2.5 parts deionised water.	Yes		AR	No
TM89	Modified USEPA method OIA-1667. Determination of cyanide by Flow Injection Analyser. Where WAD cyanides are required a Ligand displacement step is carried out before analysis.	PM45	As received solid samples are extracted with 1M NaOH by orbital shaker for Cyanide and Thiocyanate analysis.	Yes		AR	Yes

EMT Job No: 19/10753

Test Method No.	Description	Prep Method No. (if appropriate)	Description	ISO 17025 (UKAS/S ANAS)	MCERTS (UK soils only)	Analysis done on As Received (AR) or Dried (AD)	Reported on dry weight basis
TM107	Determination of Sulphide/Thiocyanate by Skalar Continuous Flow Analyser	PM119	As received solid samples are extracted with 1M NaOH by orbital shaker for Sulphide and Thiocyanate analysis.			AR	Yes

Mark Davies

From: Haydn Hughes <haydn@hollingsworthbros.com>
Sent: 17 June 2019 09:57
To: Phil Harkness; Daniel Andrews
Subject: FW: Site clearance

Importance: High

Phil/Dan

See below rates for specialist contractor to come to site to remove the animal bones. (these rates will be subject to our standard 10%) I have requested some procedures from them to assist you with your application for the licence and will forward in as soon as I receive it.

Please confirm you are happy to proceed with the proposed rate.

Regards

Haydn j Hughes



The image is a business card for Hollingsworth Bros (UK) Ltd. It features a logo on the left consisting of a stylized white helmet with yellow and grey accents, above the text 'HOLLINGSWORTH BROS (UK) LTD.' and a yellow bar with 'CIVIL ENGINEERING' in white. To the right of the logo, the contact information for Haydn Hughes, Construction Director, is listed: 'St Ives Way, Engineer Park, Sandycroft, Flintshire CH5 2QS', phone numbers '01244 539922' and '01244 538 504', mobile '07717 836603', and email 'haydn@hollingsworthbros.com'. The website 'www.hollingsworthgroup.co.uk' is also provided. Below this, the 'HOLLINGSWORTH GROUP' name is displayed. At the bottom, a banner reads 'DELIVERING EXCELLENCE IN CONSTRUCTION, CIVIL ENGINEERING AND PROPERTY DEVELOPMENT' with several certification logos including CHAS, ISO 14001, and ISO 9001.



Please consider the environment before printing this e-mail

From: Steve Gaskin <steve.gaskin@enviroclear.co.uk>
Sent: 17 June 2019 09:49
To: Haydn Hughes <haydn@hollingsworthbros.com>
Cc: Arthur Imrie <arthur.imrie@enviroclear.co.uk>
Subject: Site clearance

Hi Haydn,

Arthur has just passed me your details so I can forward some rates over to you for the removal of bones and carcasses.

As discussed, the rates are as follows:

Labour charges will be £28 per person per hour
PPE charges will be £26 per day

Also, can you confirm if you will have any welfare facilities on site, if not I will have to look at hiring some, which will be an additional charge

Kind regards

Steve Gaskin
Technical Manager
ENVIROCLEAR Site Services Ltd

M: 07508 497935 - steve.gaskin@enviroclear.co.uk



ENVIROCLEAR Site Services Ltd – Hafod Industrial Estate – Ruabon – Wrexham – LL14 6HF

T: 01978 840228

F: 01978 833009

W: www.enviroclear.co.uk



integrated environmental, industrial & utility **solutions**

Mark Davies

From: Phil Harkness
Sent: 26 June 2019 10:23
To: 'Julie Williams'
Cc: Tracy Burrows; Sue Whittle
Subject: RE: Disposal Booking 02-07-19

Thanks Julie,

Regards,

Phil Harkness
Development Engineer



Email: Phil.Harkness@anwyl.co.uk

Mobile: 07867 453199

DDI: 01244 421659

Anwyl Homes

Anwyl House, Clos Dewi Sant

St David's Park, Ewloe Flintshire CH5 3DT

www.anwylhomes.co.uk Tel: 01244 421 600



Anwyl Construction Co Ltd Company No: 435323 (England and Wales)

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From: Julie Williams [<mailto:julie.williams@secanim.co.uk>]
Sent: 26 June 2019 09:39
To: Phil Harkness <phil.harkness@anwyl.co.uk>
Cc: Tracy Burrows <tracy.burrows@secanim.co.uk>; Sue Whittle <sue.whittle@secanim.co.uk>
Subject: Disposal Booking 02-07-19

Good Morning

Further to our telephone conversation this is just to confirm the details for the disposal of the bones you have unearthed on Site. Your contractor will attend our Site in Wrexham on Friday of this week or Monday of next week to collect 2 Dolavs for the bones that you have on Site to be loaded into. We will then collect the Dolavs from your Site in Llay on Tuesday early afternoon.

Regards

Julie Williams
Administration

SECANIM
SARIA Group

Bedwell Road
Cross Lanes
Wrexham

LL13 OTS
Tel: 01978 661871
Fax: 01978 661756
DDi: 01978 667613
E-mail Address: julie.williams@secanim.co.uk

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SecAnim Limited
Bedwell Road
Cross Lanes
Wrexham
LL13 0TS
VAT No. 590 8363 15

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SARIAGroup

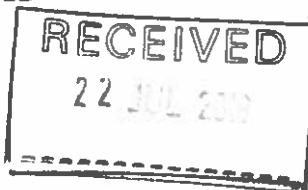
32712B

Invoice

1



Anwyl Construction
Anwyl House
St Davids Park
Ewloe
Flintshire
CH5 3DT



INVOICE No F 19265

DATE 16/07/2019

ORDER No

ACCOUNT No 104185

Fallen Stock Collections
01978 661871

Accounts / Payments
tel: 01278 420600 fax: 01278 420601

PAYMENT TERMS AND CONDITIONS

Full payment must be received within 28-Days of Invoice date and any discrepancy reported within 2-Days. Late payments may incur a £10.00 late reminder fee and interest at 8.5% thereafter

Quantity	Details	Unit Price	Net Amount	VAT Rate (%)	VAT
54.40 DL1	Dolav Mixed Animals	0.36	19.58	20.00	3.92

Collection Date: 09/07/2019

Delivery Number: 2727

Your Ref:

Anwyl
Llay

Roy Hemmion

SEC002PL
PI095083

HB1010618/H1152

Pre Payment Received: 0.00

Total Net Amount 19.58

Total VAT Amount 3.92

Invoice Total £23.50

PLEASE ATTACH THIS TO YOUR PAYMENT
104185 F 19265

Other Ways to pay: ONLINE - Call 01278 420600 to register
Card Payment (over the phone): 01278 420600
B.A.C.S: sort: 40-27-15 a/c: 14846095 (H.S.B.C)
Cheques Payable to: SecAnim Limited
Post to: PO Box 360 Bridgwater TA6 5HS
PLEASE ALWAYS WRITE YOUR ACCOUNT NUMBER ON THE BACK

We now accept card
payments
Phone 01278 420600

