AC Environment Solutions

Our Ref: AC00100/JaggerLaneEmley/LS/NP-02

Date: 9 November 2015

Ms L Shaw
Pollution & Noise Control
Environmental Health
Kirklees Council
Flint Street
Huddersfield
HD1 6LG

Dear Lisa

Land Adjoining 23 Jagger Lane, Emley Moor, Huddersfield, HD8 9SY
Planning Ref: 2012/62/90390/E – Demolition of Existing Buildings and Erection of 2 No. Detached Dwellings
Progress Report on Remediation Validation – Conditions 8 & 9

Further to the issue of the Supplemental Contamination Investigation associated with the application for the discharge of Condition 7 (ref. 2015/44/90287/E), I write to set out the details of the remedial measures which have been completed in part compliance with Conditions 8 and 9 of the planning permission.

Previous Reports

This report follows on from the issue of the following documents:

- *'Phase 1 Contamination Audit'* prepared by A.L.H Environmental Services in February 2012;
- *'Phase 2 Contamination Site Investigation and Risk assessment Report'* prepared by AC Environment Solutions Limited in January 2015;
- *'Remediation Statement'* (version 4) prepared by AC Environment Solutions Limited and dated 24th April 2015;
- Letter report on a *'Supplemental contamination investigation'* prepared by AC Environment Solutions Limited and dated 5th June 2015.

The remedial measures are set out in the Remediation Statement (v4 dated 24th April 2015) and are discussed as follows.

Asbestos Containing Material (ACMs) (Item 2 of the Remediation Statement)

The demolition of the site buildings (referred to as the brick barn and large shed in previous reports) was preceded with a *'Refurbishment and demolition asbestos survey'* undertaken by Hutchinson Asbestos Removal Limited. A copy of the report, ref: 0115/240 and dated 28th January 2015, is attached (Attachment 1).

The report was undertaken for the purpose of managing any identified asbestos containing materials (ACMs) prior to demolition and was for both buildings identified as Barn 1 (brick barn) and Barn 2 (large shed) in the survey report.

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The report identified ACMs at one location within the brick barn (strongly presumed within electrics on a stud wall) and a number of locations within the large shed (strongly presumed asbestos cement wall cladding to all sides, roof and also debris on the ground at one location adjoining the building outside).

Recommendations were made for removal as soon as possible by licensed contractor of the asbestos cement debris and removal prior to demolition at all other identified locations.

A copy of the waste Consignment Note presented as Attachment 2 confirms that approximately 3 tonnes of cement containing chrysotile asbestos was removed from the site by Hutchinson Demolition & Dismantling Limited (registered with the Environment Agency as waste carrier and dealer) for disposal at Thornhill Quarry Landfill, Ravensthorpe, Dewsbury operated by Demex Limited (licensed waste operator) on 12th February 2015.

No additional suspected ACMs have been encountered during the ground excavations that have taken place since building demolition.

Other Demolition Considerations

At the time of completing this report the concrete demolition rubble from the large shed (including the floor slab) had been removed to adjoining land under the same ownership as the site (R & B Schofield) and the rubble from the demolished brick barn remained insitu. R & B Schofield are considering reusing these materials as construction fill either on the site or on another site and are aware of the requirement to register for waste exemptions with the Environment Agency for the use of waste in construction in each case.

It is understood that the unbunded nominally empty metal oil tank previously adjoining the external north western corner of the large shed has been removed off site to the yard of R & B Schofield.

Vehicle Inspection Pit (Item 3a of the Remediation Statement)

The vehicle inspection pit and exposed soils beneath the floor slab of the large shed were inspected on 21st May 2015 (see report on supplemental contamination investigation dated 5th June 2015). At that time the water within the pit showed no visual or olfactory evidence of hydrocarbon contamination.

A further inspection undertaken on 1st October 2015 revealed rain had increased the depth of water within the pit which has continued to show no visual or olfactory evidence of hydrocarbon contamination (see photo 16 in Attachment 3). On this basis, prior to backfilling of the pit with suitable site won construction fill which will be compacted in layers and capped with concrete to prevent further water ingress, the pit water will be pumped to ground rather than being removed by gully sucking vehicle as originally proposed.

It is understood that the contents of the 2 old 205 litre rusted and damaged metal drums previously located outside the large shed were decanted into a suitable container by R & B Schofield (the site owner) which is awaiting to be removed by them for disposal to an appropriately licensed waste management facility (R & B Schofield is a registered waste carrier dealer).

It is understood from R & B Schofield that the several small containers of oil and paint previously located within the large shed have been removed to the adjoining business address of R & B Schofield for continued future use.

Floor Slab to the Large Shed (Item 3b of the Remediation Statement)

This was dealt with in the report on the supplemental contamination investigation dated 5th June 2015.

Investigation of Soils Within the Brick Barn (Item 4 of the Remediation Statement)

This was dealt with in the report on the supplemental contamination investigation dated 5th June 2015.

Surface Soils Contaminated with Arsenic, Lead and PAHs (Item 5 of the Remediation Statement)

Surface Soils

The top 0.30-0.60m of surface soils extending across a large part of the site in which the Phase 2 investigation had found elevations in arsenic, lead and PAHs that were considered to be unsuitable for garden areas, was excavated and removed from the site to a licensed waste management facility during August and September 2015. These areas comprised a gravelly ash and road scalpings with some sandstone hardcore and brick. Copies of the waste transfer notes for these and the other soils removed from site are presented as Attachment 6 and discussed further on page 4.

Where the bricks could easily be separated from the material and the sandstone hardcore was not mixed within it, these materials were set aside for reuse elsewhere (R & B Schofield are aware of the requirement to register for waste exemptions with the Environment Agency for the use of waste in construction).

The area of the proposed driveway of the development to be covered by hardstanding was excluded from excavation (soils remain in-situ) and none of the unsuitable soils were retained on site for burial beneath the proposed driveway as had been suggested as an option under item 6 of the Remediation Statement.

Photographs showing the areas of excavation are included in Attachment 3.

Five soil samples from the exposed base were collected by a representative from AC Environment Solutions for validation testing on 1st October, the locations of which (V1 to V5) are shown on the attached spot sampling location plan (Attachment 4).

Over-digging At TP1, TP3 and TP6

In addition to the above, over-digging was undertaken at 3 locations (TP1 relating to elevations in lead, TP3 relating to elevations in arsenic, lead and PAHs and TP6 relating to elevations in TPHs). These locations are shown on the targeted excavation location plan (Attachment 5) and photographs are included in Attachment 3

The area in which TP1 had been located was excavated to a depth of 0.6m and since the excavation base merged with the wider excavation for the surface scalpings, there were no sidewalls to the TP1 over-dig. Four soil samples were therefore collected from the exposed base at this location for validation testing (TP1-Veast, Vwest, Vnorth & Vsouth).

During the over-digging at TP3 some slight visual and olfactory evidence of petroleum hydrocarbon contamination was noted and therefore the excavation area at this location was widened to enable the affected soils to be chased out both vertically and horizontally. The petroleum hydrocarbons may have been associated with the oil tank previously at this location (now removed to R & B Schofield yard) or from another unknown source associated with the former use of the site as a depot.

The excavation at TP3 covered an approximate area of $45m^2$ and extended to depths of at least 0.75m and into the subsoil clay where groundwater accumulated. Approximately $33m^3$ of soils was removed for appropriate offsite disposal from this location. No visual or olfactory evidence of petroleum hydrocarbon contamination was noted within the water at the time of the inspection by AC Environment Solutions on 1st October. A close examination of the soils exposed around the edge and sidewalls of the excavation was also undertaken at several locations and no visual or olfactory evidence of petroleum hydrocarbon contamination was identified. On this basis and since this excavated area is located beneath the proposed footprint to one of the dwellings which are also to be provided with a radon barrier membrane (which will be specified and fitted in accordance with the appropriate standards), soil sampling for validation testing was not considered necessary.

The AC Environment Solutions representative also undertook an inspection of the over-dig of TP6 on 1st October 2015. TP6 had originally been excavated during the previous Phase 2 investigation close to the brick supports to what is believed to have been a former above ground fuel tank adjoining the north eastern corner of the old brick barn. A close examination of the soils exposed around the edge and sidewalls of the over-dig excavation was undertaken at several locations and this identified some slight olfactory evidence of residual petroleum hydrocarbon contamination at the western end of the excavation base. This part of the excavation was noted to be below the former location of blockwork supports observed during the previous Phase 2 investigation and which may previously have supported another possible former oil tank at this location.

The remedial excavation at this location was therefore extended to enable the affected soils to be chased out both vertically and horizontally. The excavation covered an approximate area of $25m^2$ and extended into the subsoil clay and the main area affected appeared to follow a narrow zone of reworked clay above a land drain encountered at a depth of 1.35m, but the drain was left insitu. Approximately $30m^3$ of soils was removed for appropriate offsite disposal from this location. On the basis that the petroleum hydrocarbon contamination encountered was only slight and affected a small area, the majority of which has been removed and since the excavated area is located beneath the proposed footprint to one of the dwellings which are also to be provided with a radon barrier, soil sampling for validation testing was not considered necessary.

In total, 33 loads of unsuitable soil materials equating to approximately 626 tonnes were removed from the site by haulage contractors Jayrange Limited (registered waste carrier dealer) between 25th August and 11th September 2015. The soils were disposed of at Hazel Lane Quarry and Landfill, Hampole (licensed landfill) operated by Cat Plant (Quarry) Limited (licensed waste operator). Copies of the waste transfer notes are attached (Attachment 6).

Validation Testing

Soil samples were collected by AC Environment Solutions on 1st October 2015 from the 5 spot sample locations V1 – V5 and the over-dig at TP1 (4 samples). Samples were submitted to the same laboratory as previous testing (Chemtest) and the chemical testing results are provided as Attachment 7. These have been assessed against the target criteria specified in the Remediation Statement as follows:

Parameter	Target Level[1] (mg/kg)	Sample Locations								
		V1	V2	V3	V4	V5	TP1-V			
							East	West	North	South
Lead	200	120	170	46	22	30	18	30	33	22
Arsenic	37	32	44	54	11	12				
Benzo(a)pyrene	5	1.8	<0.10	1.2	<0.10	0.58				

1.Category 4 Screening Levels issued by DEFRA in March 2014

The assessment has identified exceedances above the target level for arsenic at 2 locations (V2 and V3), despite the removal of the top 0.30-0.40m of soils. However, it is considered that the concentrations of 44 and 54mg/kg are not grossly excessive and anticipated to be a reflection of background levels arising from the fact that the site is located in a coal mining area (the former Speedwell Colliery was located approximately 50m to the south west from before 1893 and was disused by 1955 and old coal workings were located approximately 40m to the north from at least 1854 until the early 1900s).

Although the site is located in the Principal Domain for arsenic background levels under the DEFRA published Technical Guidance Sheet TGS 01 dated July 2012[1], where the normal background concentration specified is 32mg/kg, the guidance states that within this domain '*Coal mining areas may also contain soils enriched in As due to the spreading of pyrite-bearing coal mine spoils*'.

The assessment shows that there were no exceedances above the target levels for lead and benzo(a)pyrene.

Importation of Soils and Other Fill Material (Item 7 of the Remediation Statement)

The excavated areas described above currently remain open, but will be backfilled with suitable inert material which will be chemically validated to be clean nearer the time that construction commences.

Drinking Water Supply Pipes (Item 8 of the Remediation Statement)

Measures for the protection of drinking water supply pipes will be adopted in accordance with the options specified in the Remediation Statement at the time construction commences.

All outstanding information will be made available upon completion, but we would be grateful if you could confirm acceptance of the measures completed to date before the Applicant moves further forward with the development.

Kind regards

N F Pickard

Nick Pickard BSc MRICS CEnv
Associate and Chartered Environmental Surveyor

Tel Direct: 01709 711850
Mobile: 07847 254463

[1] Technical Guidance Sheet (TGS) on normal levels of contaminants in English soils

Cc Mr Andrew Schofield – R & B Schofield Building Contractors
Ms Louise Clarke – Kirklees Planning

Attachments

1. Asbestos survey report dated 28th January 2015
2. Hazardous waste consignment note for the removal of ACMs from the site
3. Photographic record from inspection completed on 1st October 2015
4. Plan of validation spot sampling locations
5. Plan showing targeted excavation locations
6. Waste transfer notes for disposal of unsuitable soils to licensed landfill
7. Chemical testing results from validation sampling

AC Environment Solutions

Attachment 1

Asbestos Survey Report dated 28th January 2015

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HUTCHINSON ASBESTOS REMOVAL LTD

Asbestos Survey Report

Client: R & B Schofield

Survey Address: Farm 21 Jagger Lane Emley Huddersfield HD8 9SY

REFURBISHMENT AND DEMOLITION

ASBESTOS SURVEY

For the identification of asbestos containing materials.

Survey Company Details:			
Hutchinson Asbestos Removal Ltd Netherfield Works Calder Rd Ravensthorpe Dewsbury West Yorkshire WF13 3JS			
Surveyor:	**David Mitchell**	**Signed:**	
Survey carried out on instruction from:		**Mr Schofield**	
Company: R & B Schofield **15 Jagger Lane, Emley** **Huddersfield HD8 9SY**			
Type of Survey (level of inspection):		**Management Survey**	
Date of Report:	**28.01.15.**	**Date of Survey**	**27.01.15.**

HUTCHINSON ASBESTOS REMOVAL LTD

Asbestos Survey Report

Purpose, Aims and Objectives of this report

This survey has been carried out as part of the 'Duty Holders' responsibilities under the Control of Asbestos Regulations 2012, regulation 4. The information contained within will assist in the management of asbestos containing materials in the identified property.
Guidance followed to carry out this survey: -

HSG 248 – The Analysts Guide
HSG – 264 – The Survey Guide

The purpose of this asbestos survey is to locate, so far as is reasonably practicable, asbestos-containing materials through a pre-determined level of investigation/access to a given property and to make an assessment on its condition, location, extent and type to allow for safe management so that action may be taken to minimise any hazard from airborne fibres or disturbance of material prior to and during refurbishment and/ or demolition.

Items, which are suspected to be asbestos, may be sampled and analysed or presumed/strongly presumed. Some reference samples may be taken which are known to be non-asbestos so that there is no confusion between asbestos and non-asbestos items and to eliminate the requirement to work on such materials as presumed asbestos.

Description of areas covered and excluded within the scope of this survey:

Areas Covered	The areas covered during this survey are: Front and rear, external areas including rainwater goods, down pipes, damp proof membrane, windows and cills, soffits, barge boards and under cloaking. Internal areas such as walls, ceilings, including floors, electrics etc.
Areas Excluded Or inaccessible	Inaccessible areas were not inspected and should therefore be presumed to contain asbestos until proven otherwise. These areas are floor voids, wall cavities, loft space, electrical appliances, live cable insulation.

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Survey Summary

The survey of the building was carried out on the instructions of Mr Schoffield from front to rear, taking in all external areas such yards.

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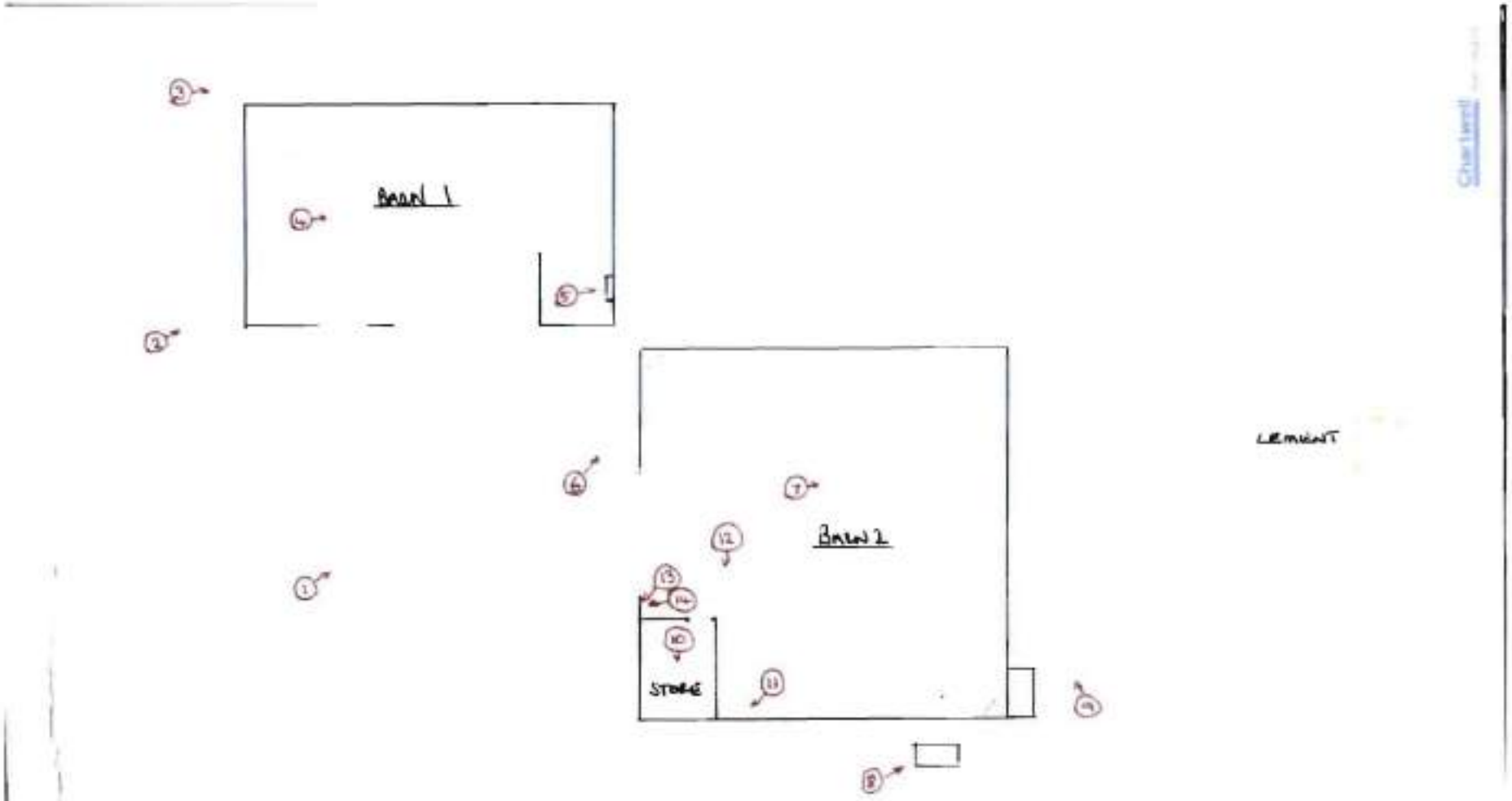
Asbestos Survey Report

Plans of building and site layout:-


BARN 1
BARN 2
STORE
LEMMENT

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Asbestos Survey Report

Material Hazard Assessment Score

A	Score 0	Score 1	Score 2	Score 3
A1 Material/ product type		Combined in a matrix, asbestos-reinforced composites, incl. plastic, vinyl, roof felt, decorative finishes/ textured coating, mastic, asbestos cement, resins	A.I.B. gaskets, textiles etc	Lagging, spray, loose asbestos
A2 Damage/ Deterioration	Perfect	Low, Scratches or Damaged Edges	Broken or loose fibre exposed	High damage, friable with debris, delaminated material
A3 Surface Treatment		Combined in a matrix or painted AIB	Enclosed spray & lagging, unsealed A.I.B.	Unsealed lagging or spray
A4 Asbestos Type	None	Chrysotile	Amphibole, not Crocidolite	Crocidolite

Material Hazard Assessment Scores between 0-12

<4 very low hazard, if disturbed - 5 & 6 low hazard – 7-9 Medium hazards - >10 High hazards.

Priority Assessment Score

The following scores (in boxes B1 – B3) are used to calculate the total priority assessment score:

B	Score 0	Score 1	Score 2	Score 3
LIKELIHOOD OF DISTURBANCE				
B1. Location	Outdoors	Large rooms or well ventilated areas	Rooms up to 100mtrs^2	Confined spaces
B2. Accessibility	Usually inaccessible, unlikely to be disturbed	Occasionally likely to be disturbed	Easily disturbed	Routinely disturbed
B3. Extent/ amount	Small amounts or items e.g. string, gaskets	<10mtrs^2 or <10 linear mtr pipe run	>10mtrs^2 to 50mtrs^3 or >linear 10mtr to <50 lin. mtr pipe run	>50mtrs^2 or 50 linear mtr pipe run

The priority assessment scores and therefore total risk score can only be determined by the duty holder, as he has in depth knowledge of the building, its uses, occupiers and access to affected areas. This knowledge is not in the possession of the surveyor.

The combined Material assessment and priority assessment scores are combined to give the TOTAL risk score. This is used to determine the priority for remedial action or removal of certain ACMs and regular checking or management of others.

The nature and frequency of risk within a particular area can change over time, e.g. a room that has been empty can be brought back into use, or the activity or frequency of occupation and number of occupants in a particular room could change. If this change is likely to be permanent or long-term, the risk assessment should be updated by the duty holder as soon as possible.

Summary Report

Sample No	Asbestos Type	Location	Risk	Recommendations
No sample taken Item 05	Strongly presumed woven fabric	Electrics on stud wall in Barn 1	7	Remove prior to demolition
No sample taken Item 06	Strongly presumed asbestos cement	Cladding to all sides of Barn 2	8	Remove prior to demolition
No sample taken Item 07	Strongly presumed asbestos cement	Roof of Barn 2	7	Remove prior to demolition
No sample taken Item 08	Strongly presumed asbestos cement	Debris on ground outside	10	Remove by as soon as possible by licenced contractor
No sample taken Item 09	Strongly presumed asbestos cement	Cladding to side of Barn	8	Remove prior to demolition

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Asbestos Survey Report 0115/240

Sample No – No sample taken	DESCRIPTION: Item 01 – Barn 1 & 2 Overview
Location Barn 1 & 2 Floor Ground Area Overview Amount N/A Access N/A Component N/A Exposure N/A Friability N/A	

MATERIAL ASSESSMENT (A)		
A1) Product type	N/A	0
A2) Extent of Damage or deterioration	N/A	0
A3) Surface Treatment	N/A	0
A4) Asbestos type	No asbestos suspected	0
	TOTAL	0

PRIORITY ASSESSMENT (B)		Summary	
Likelihood of disturbance			
B1) Location	0	Material Assessment (A)	0
B2) Accessibility	0	+	
B3) Extent	0	Priority Assessment (B)	0
TOTAL	0	Total Risk Score	0

Recommendations	No further action necessary
Comments	General overview

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Asbestos Survey Report 0115/240

Sample No – No sample taken	DESCRIPTION: Item 02 – Barn 1 Overview
Location Barn 1 Floor Ground Area Overview Amount N/A Access N/A Component N/A Exposure N/A Friability N/A	

MATERIAL ASSESSMENT (A)		
A1) Product type	N/A	0
A2) Extent of Damage or deterioration	N/A	0
A3) Surface Treatment	N/A	0
A4) Asbestos type	No asbestos suspected	0
	TOTAL	0

PRIORITY ASSESSMENT (B)		Summary	
Likelihood of disturbance			
B1) Location	0	Material Assessment (A)	0
B2) Accessibility	0	+	
B3) Extent	0	Priority Assessment (B)	0
TOTAL	0	Total Risk Score	0

Recommendations	No further action necessary
Comments	Brick built, slate roof, stone copings, wooden fascia, plastic gutters and downpipes. No undercloaking. No damp course.

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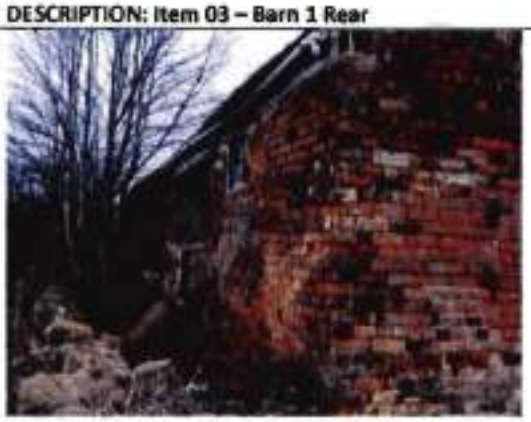
Asbestos Survey Report 0115/240

Sample No – No sample taken	DESCRIPTION: Item 03 – Barn 1 Rear
Location Barn 1 Floor Ground Area Rear Amount N/A Access N/A Component N/A Exposure N/A Friability N/A	

MATERIAL ASSESSMENT (A)		
A1) Product type	N/A	0
A2) Extent of Damage or deterioration	N/A	0
A3) Surface Treatment	N/A	0
A4) Asbestos type	No asbestos suspected	0
	TOTAL	0

PRIORITY ASSESSMENT (B)		Summary	
Likelihood of disturbance			
B1) Location	0	Material Assessment (A)	0
B2) Accessibility	0	+	
B3) Extent	0	Priority Assessment (B)	0
TOTAL	0	Total Risk Score	0

Recommendations	No further action necessary
Comments	Brick built. Slate roof. Wooden fascias. Plastic gutters.

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Asbestos Survey Report 0115/240

Sample No – No sample taken	DESCRIPTION: Item 04 – Barn 1 Interior
Location Barn 1 Floor Ground Area General Interior Amount N/A Access N/A Component N/A Exposure N/A Friability N/A	

MATERIAL ASSESSMENT (A)		
A1) Product type	N/A	0
A2) Extent of Damage or deterioration	N/A	0
A3) Surface Treatment	N/A	0
A4) Asbestos type	No asbestos suspected	0
	TOTAL	0

PRIORITY ASSESSMENT (B)		Summary	
Likelihood of disturbance			
B1) Location	0	Material Assessment (A)	0
B2) Accessibility	0	+	
B3) Extent	0	Priority Assessment (B)	0
TOTAL	0	Total Risk Score	0

Recommendations	No further action necessary
Comments	Partial concrete floor. Timber stud wall. All timber roof supports. Wooden window frames. No roofing felt.

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Asbestos Survey Report 0115/240

Sample No – No sample taken	DESCRIPTION: Item 05 – Barn 1 Electrics behind Stud Wall
Location Barn 1 Floor Ground Area Electrics behind stud wall Amount Access Easy Component Strongly presume asbestos textiles Exposure Maintenance Friability Medium	

MATERIAL ASSESSMENT (A)		
A1) Product type	Woven fabrics	2
A2) Extent of Damage or deterioration	Fair	1
A3) Surface Treatment	Sealed	1
A4) Asbestos type	Strongly presumed	2
	TOTAL	6

PRIORITY ASSESSMENT (B)		Summary	
Likelihood of disturbance			
B1) Location	1	Material Assessment (A)	6
B2) Accessibility	0	+	
B3) Extent	0	Priority Assessment (B)	1
TOTAL	1	Total Risk Score	7

Recommendations	Remove prior to demolition
Comments	Presume woven fabrics to electric box

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Asbestos Survey Report 0115/240

Sample No – No sample taken		DESCRIPTION: Item 06 – Barn 2 Cladding to all sides
Location	Barn 2	
Floor	Ground	
Area	Cladding to all sides	
Amount	140m² approx to all sides	
Access	Easy	
Component	Strongly presume asbestos cement	
Exposure	General public	
Friability	Medium	

MATERIAL ASSESSMENT (A)		
A1) Product type	Asbestos cement	1
A2) Extent of Damage or deterioration	Fair	1
A3) Surface Treatment	Sealed	1
A4) Asbestos type	Strongly presumed	1
	TOTAL	4

PRIORITY ASSESSMENT (B)		Summary	
Likelihood of disturbance			
B1) Location	0	Material Assessment (A)	4
B2) Accessibility	1	+	
B3) Extent	3	Priority Assessment (B)	4
TOTAL	4	Total Risk Score	8

Recommendations	Remove prior to demolition
Comments	Strongly presumed asbestos cement due to age of building.

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Asbestos Survey Report 0115/240

Sample No – No sample taken	DESCRIPTION: Item 07 – Barn 2 Roof
Location Barn 2 Floor Ground Area Roof Amount 300m² approx Access Medium Component Strongly presume asbestos cement Exposure Maintenance *Friability* *Medium*	

MATERIAL ASSESSMENT (A)		
A1) Product type	Asbestos cement	1
A2) Extent of Damage or deterioration	Fair	1
A3) Surface Treatment	Sealed	1
A4) Asbestos type	Strongly presumed	1
	TOTAL	4

PRIORITY ASSESSMENT (B)		Summary	
Likelihood of disturbance			
B1) Location	0	Material Assessment (A)	4
B2) Accessibility	0	+	
B3) Extent	3	Priority Assessment (B)	3
TOTAL	3	Total Risk Score	7

Recommendations	Remove prior to demolition
Comments	Strongly presume asbestos cement due to age of building.

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Asbestos Survey Report 0115/240

Sample No – No sample taken	DESCRIPTION: Item 08 – Exterior
Location Exterior Floor Ground Area Outside Amount 20m² approx Access Easy Component Strongly presume asbestos cement Exposure General public Friability Medium	

MATERIAL ASSESSMENT (A)		
A1) Product type	Asbestos cement	1
A2) Extent of Damage or deterioration	Debris	2
	Sealed	1
A3) Surface Treatment	Strongly presumed	1
A4) Asbestos type		
	TOTAL	5

PRIORITY ASSESSMENT (B)		Summary	
Likelihood of disturbance			
B1) Location	0	Material Assessment (A)	5
B2) Accessibility	3	+	
B3) Extent	2	Priority Assessment (B)	5
TOTAL	5	Total Risk Score	10

Recommendations	Remove as soon as possible by licenced contractor
Comments	Strongly presumed asbestos cement due to age of building

HUTCHINSON ASBESTOS REMOVAL LTD

Asbestos Survey Report 0115/240

Sample No – No sample taken		DESCRIPTION: Item 09 – Barn cladding to side
Location	Barn	
Floor	Ground	
Area	Cladding to side	
Amount	140m² approx to all sides	
Access	Easy	
Component	Strongly presume asbestos cement	
Exposure	General public	
Friability	Medium	

MATERIAL ASSESSMENT (A)		
A1) Product type	Asbestos cement	1
A2) Extent of Damage or deterioration	Fair	1
A3) Surface Treatment	Sealed	1
A4) Asbestos type	Strongly presumed	1
	TOTAL	4

PRIORITY ASSESSMENT (B)		Summary	
Likelihood of disturbance			
B1) Location	0	Material Assessment (A)	4
B2) Accessibility	1	+	
B3) Extent	3	Priority Assessment (B)	4
TOTAL	4	Total Risk Score	8

Recommendations	Remove prior to demolition
Comments	Strongly presumed asbestos cement due to age of building.

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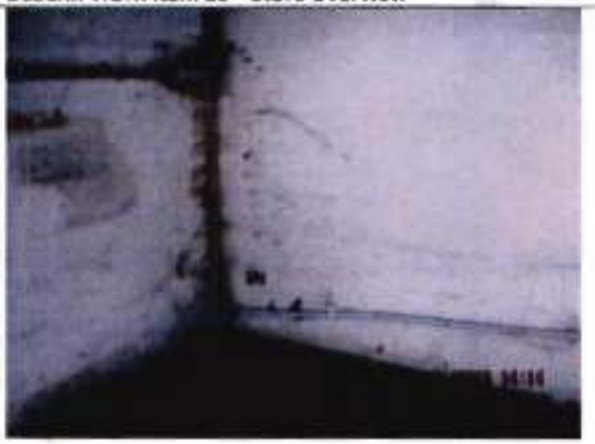
Asbestos Survey Report 0115/240

Sample No – No sample taken	DESCRIPTION: Item 10 – Store Overview
Location Barn 2 Floor Ground Area Store overview Amount N/A Access N/A Component N/A Exposure N/A Friability N/A	

MATERIAL ASSESSMENT (A)		
A1) Product type	N/A	0
A2) Extent of Damage or deterioration	N/A	0
	N/A	0
A3) Surface Treatment	No asbestos suspected	0
A4) Asbestos type		
	TOTAL	0

PRIORITY ASSESSMENT (B)		Summary	
Likelihood of disturbance	0	Material Assessment (A)	0
B1) Location	0	+	
B2) Accessibility	0	Priority Assessment (B)	0
B3) Extent	0	Total Risk Score	0
TOTAL			

Recommendations	No further action necessary
Comments	Breeze block walls. Wooden floor

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Asbestos Survey Report 0115/240

Sample No – No sample taken	DESCRIPTION: Item 11 – Barn 2 Fibreglass on Floor
Location Barn 2 Floor Ground Area Floor Amount N/A Access N/A Component N/A Exposure N/A Friability N/A	

MATERIAL ASSESSMENT (A)		
A1) Product type	N/A	0
A2) Extent of Damage or deterioration	N/A	0
A3) Surface Treatment	N/A	0
A4) Asbestos type	No asbestos suspected	0
	TOTAL	0

PRIORITY ASSESSMENT (B)		Summary	
Likelihood of disturbance			
B1) Location	0	Material Assessment (A)	0
B2) Accessibility	0	+	
B3) Extent	0	Priority Assessment (B)	0
TOTAL	0	Total Risk Score	0

Recommendations	No further action necessary
Comments	Fibreglass to floor

HUTCHINSON ASBESTOS REMOVAL LTD

Asbestos Survey Report 0115/240

Sample No – No sample taken	DESCRIPTION: Item 12 – Barn 2 Floor
Location Barn 2 Floor Ground Area Floor Amount N/A Access N/A Component N/A Exposure N/A Friability N/A	

MATERIAL ASSESSMENT (A)		
A1) Product type	N/A	0
A2) Extent of Damage or deterioration	N/A	0
	N/A	0
A3) Surface Treatment	No asbestos suspected	0
A4) Asbestos type		
	TOTAL	0

PRIORITY ASSESSMENT (B)		Summary	
Likelihood of disturbance	0	Material Assessment (A)	0
B1) Location	0	+	
B2) Accessibility	0	Priority Assessment (B)	0
B3) Extent			
	0	Total Risk Score	0
TOTAL			

Recommendations	No further action necessary
Comments	Marked Gypsum plasterboard to floor

HUTCHINSON ASBESTOS REMOVAL LTD

Asbestos Survey Report 0115/240

Sample No – No sample taken	DESCRIPTION: Item 13 – Barn 2 near sink
Location Barn 2 Floor Ground Area Near to sink Amount N/A Access N/A Component N/A Exposure N/A Friability N/A	

MATERIAL ASSESSMENT (A)		
A1) Product type	N/A	0
A2) Extent of Damage or deterioration	N/A	0
A3) Surface Treatment	N/A	0
A4) Asbestos type	No asbestos suspected	0
	TOTAL	0

PRIORITY ASSESSMENT (B)		Summary	
Likelihood of disturbance			
B1) Location	0	Material Assessment (A)	0
B2) Accessibility	0	+	
B3) Extent	0	Priority Assessment (B)	0
TOTAL	0	Total Risk Score	0

Recommendations	No further action necessary
Comments	Modern foam insulation to pipework near sink

HUTCHINSON ASBESTOS REMOVAL LTD

Asbestos Survey Report 0115/240

Sample No – No sample taken	DESCRIPTION: Item 14 – Barn 2 electrics on wall
Location Barn 2 Floor Ground Area Electrics on wall Amount N/A Access N/A Component N/A Exposure N/A Friability N/A	

MATERIAL ASSESSMENT (A)		
A1) Product type	N/A	0
A2) Extent of Damage or deterioration	N/A	0
A3) Surface Treatment	N/A	0
A4) Asbestos type	No asbestos suspected	0
	TOTAL	0

PRIORITY ASSESSMENT (B)		Summary	
Likelihood of disturbance			
B1) Location	0	Material Assessment (A)	0
B2) Accessibility	0	+	
B3) Extent	0	Priority Assessment (B)	0
TOTAL	0	Total Risk Score	0

Recommendations	No further action necessary
Comments	Modern electrics

BULK ANALYSIS REPORTS

HUTCHINSON ASBESTOS REMOVAL LTD

Asbestos Survey Report

Laboratory used for analysis		
Acorn Analytical services	UKAS Number:	2418

Method used for analysis

Laboratory analysis. Presumption/strong presumption where identified

Recommendation summary

All recommendations in this report are based on the need to reduce risk from proven/presumed asbestos containing materials. Materials are assessed on the algorithm below.
The Control of Asbestos regulation 2012, Regulation 4 requires the management of asbestos; this survey is the basis for management.
Materials scored as high require management to reduce the level.
Where removal is suggested, this must be carried out by trained an competent personnel with the correct level of insurance and be either a HSE licence company for licensable works, or trained to HSG210, Asbestos Essentials. The level of training is suggested on the sample report.
Monitoring of materials is a method of management suggested for materials that are to be left in place, the intervals for this monitoring is again based on the level of risk from the material and it's location, type, extent and condition.

Works on asbestos materials: All works on known or presumed asbestos materials must only be carried out by personnel with relevant training as required under the Control of Asbestos Regulations 2012, Regulation 10 and supporting *ACoP, L143* and guidance, *HSG 247* the licensed contractors guide.
Where the material identified as being 'licensable', the person or company must be in a position of a 'Full HSE Asbestos licence'.
Full insurance cover for the works must also be in place.

Asbestos Survey Report

ASBESTOS SAMPLING STRATEGY AND METHODOLOGY

REFERENCES

The survey method has been compiled with references to:

HSG 248, Asbestos: the Analysts guide for sampling, analysis and clearance procedures.
HSG 264, The Survey Guide.

Asbestos materials typically found in buildings

1 SPRAYED COATINGS

These are a mixture of hydrated cement and about 85% asbestos fibres. It was used for anti-condensation and acoustic control in buildings, decorative finishing and fire protection for structural steel tec. Any of the three main asbestos types may be used for sprayed coatings but Amosite was most common. Sprayed asbestos is sometimes found in ceilings e.g. swimming pools. It is a very friable material and is likely to release fibres.

2 LAGGING/THERMAL INSULATION

This term covers a wide range of materials including pipe sections, slabs, rope, paper, quilts, felts, blankets and plastered cement. Lagging may have a covering of protective cloth, paper, tape, metal or cement. Any asbestos type may be found in lagging. Quilts, mattresses and blankets may contain up to 100% asbestos. Asbestos lagging was widely used in public buildings, factories and hospitals, as pipe and plant insulation quilts are common on steam boilers. Asbestos rope was wound around pipe work or used as gaskets. A small number of houses have loose fill asbestos loft and duct insulation.
Asbestos has also been used in insulation between floors.
Lagging is susceptible to damage unless well coated, due to leaks from pipes and boilers.

3 ASBESTOS INSULATION BOARD (A.I.B)

This has a density of approximately 700g/cu.m and contains about 16-40% asbestos mixed with hydrated Portland cement or calcium silicate. It is often referred to by its trade name of 'Asbestolux'. Crocidolite (blue) was used in some asbestos insulating boards but they are generally formed from Amosite (brown) with a small amount if Chrysotile (white).
Asbestos insulating boards were widely used as fire protection, thermal and acoustic insulation, for resistance to moisture and as a general building board. It is often found in ceiling tiles, fire breaks, infill panels, wall linings, bath panels, external canopies, porch linings and suspended floor systems.
Asbestos insulating board can be very friable when damaged.

4 CEMENT BOUND PRODUCTS

This material is the more common type found in and around buildings. Asbestos cement, which has asbestos content of Chrysotile (white) of between 10 to 50%, some materials up to the 1960's may contain other forms of asbestos. If it is in good condition and not being abraded or going to be abraded then it will not be releasing dangerous quantities of fibres. It should be monitored so if it is noticed that it is beginning to degrade it should be removed at that time. You do not need to use a licensed contractor on this material but you should use a competent contractor. Typical uses for asbestos cement are: - roofing sheets, wall claddings, flu pipes, soffit boards etc.
As cement bound products were in use up to 1999, the possibility of locating them are high.

SAMPLING METHOD

An asbestos survey requires the inspection of all areas of a building/defined site. This means access must be gained to ducts, roof spaces, above ceilings (only if they are not asbestos) and into all rooms unless these are specifically excluded. Voids behind asbestos panels will not be investigated where there is a perceived risk of fibre release. Areas such as lift shafts will only be investigated in the presence of a competent lift engineer. Other voids and confined spaces will only be investigated where there is safe & easy access and no risk to health from other factors. Services (such as drains) and other construction cavities will not be accessed unless specifically requested. Plant and machinery will not be investigated internally unless specifically requested and competent and trained persons are there to ensure safe access.
Sampling will follow the same method every time.

Sampling coatings and lagging – a core sample will be taken to incorporate the full depth of insulation, along the length of the pipe, on elbows, bends and where the appearance of the coating/lagging differs. The only restriction placed is where there is an inherent to the surveyor's safety, here sampling may be restricted.
Insulating board, cement, cloth, yarns, paper and floor tiles – a piece of at least 2-5cm² will be taken. 2 samples per board type and from every location where board products have been identified.
Textured coatings – a sample of up to 5cm³ per surface will be adequate but care should be taken not to cause too much damage to decorations. Coatings of similar appearance and age will be dealt with as one product.

All sample locations will be repaired with filler, tape etc. Any debris produced during sampling will be cleaned away with wet wipes and all samples will be labelled with a unique reference and dated. To capture any debris produced the area below will have polythene placed down first.

Asbestos Survey Report

Each sample produced will be placed into a self seal polythene bag, which is uniquely labelled with a reference number. These bags are then placed into a second bag with the survey address, date and the surveyor's details on.
All samples are then placed into a third bag, again with the survey address on and taken at the earliest opportunity to a UKAS accredited testing laboratory for analysis.
Details of samples and locations are recorded on survey sheets.

SAFETY

Prior to survey being undertaken, an assessment of any potential risk has been carried out. This assessment is in addition to the risk of exposure to asbestos and covers, but is not limited to the following perceived or real risk. The risk assessment will be reviewed and updated where required.

Asbestos Survey Report

Risk associated with surveying:

Working at heights
Operation of Plant and Machinery
Confined Spaces
Electrical risk
Lone working
Chemical and biological hazards (CoSHH)
Noise risk level

Safety during materials sampling

To prevent cross contamination all equipment is cleaned down before and after every sample with wet wipes.
As a general precaution, all materials will be sprayed with a Surfactant/water solution prior to samples being taken.
1000 gauge polythene will be placed below the sample area as a precautionary measure to collect any falling debris.
Respiratory protection with a minimum Assigned Protection Factor (APF) of 20 will be utilised, and the surveyor Face Fit tested.
Type 5/6 disposable overalls will be worn when considered prudent in the qualified judgement of the person taking the samples and at all times when entering areas where there is any possible chance of risk from potential asbestos, e.g. boiler rooms, loft spaces etc.
All areas where the sampling of materials is to be undertaken will be closed off and secured to prevent access from unauthorised persons.
Strict control will be observed during sampling, to ensure samples are taken with strict control of release of fibres.
All areas will be visually inspected upon completion to ensure a safe environment has been left.
Air sampling would not normally be required due to the safe procedures, however should the surveyor deem there to have been a release of any fibres out of their control, they will have the option to instigate such monitoring, additionally, this may be carried out should the client request it at planning stage.
All overalls and wet wipes will be disposed of as contaminated waste in double bagged 500 gauge polythene bags as required under the Hazardous Waste (England and Wales) Regulation 2005, Special Waste Regulations 1996 (Scotland) when sampling/surveying has been completed.
All occupants of the building to be surveyed will be moved to the immediate vicinity during sampling procedure.
A type 'H' (hazard, HEPA/PAS60) vacuum will be available during all sampling procedure to assist in fibre control. The vacuum will be tested on a 6 monthly basis.

Asbestos Survey Report

Whilst every effort has been made by the Surveyor to locate and assess all asbestos containing materials in the building, it should be noted that due to the construction techniques and the nature of the building, some asbestos containing materials may not have been identified.

Access to electrical installations was not possible due to Health & Safety considerations, although the Surveyor would be pleased to inspect them having received written confirmation of the isolation of such units.
Where areas have not been accessed, it should be presumed that any materials contained in those areas contain asbestos unless proven otherwise.

Quantities specified within this report are a guide only. Site measurements should be taken of all materials and areas prior to works being carried out.

Conditions of identified ACM's are based upon the individual surveyor's experience and the visible areas of the product. No liability can be accepted for the condition of hidden or unidentified materials.

Representative sampling is carried out on service ducts, pipe runs, voids and areas of limited access where detailed. These areas may require further inspection if works are to be carried out on them.

Sampling frequencies are as detailed in HSG248 and HSG 264 unless otherwise identified.

The Surveyor cannot accept any liability for loss, injury or penalty caused by omissions or errors in this report.

Attachment 2

Hazardous Waste Consignment for the Removal of ACMs from the Site

Form HWCN01v111

The Hazardous Waste Regulations 2005: Consignment Note

796kg

Environment Agency

PRODUCER'S/HOLDER'S/CONSIGNOR'S COPY (Delete as appropriate)

PART A Notification details

1 Consignment note code: ONT2791/HA595

2 The waste described below is to be removed from (name, address, postcode, telephone, e-mail, facsimile):
21 JAGGER LANE, EMLEY
HUDDERSFIELD HD8 9SY

3 Premises code (where applicable): ONT299

4 The waste will be taken to (name, address and postcode):
DEMEX LTD THORN HILL QUARRY
CALDER ROAD, RAVENSTHORPE
DEWSBURY WF12 9EA

5 The waste producer was (if different from 2) (name, address, postcode, telephone, e-mail, facsimile):
HUTCHINSON DEMOLITION & DISMANTLING LTD
NETHERFIELD WORKS, CALDER ROAD
RAVENSTHORPE DEWSBURY WF13 3JS

PART B Description of the waste

1 The process giving rise to the waste(s) was: ASBESTOS REMOVAL 2 SIC for the process giving rise to the waste: 45.25/

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)(6 digits)	Quantity (kg)	The chemical/biological components in the waste and their concentrations are: Component	Concentration (% or mg/kg)	Physical form (gas, liquid, solid, powder, sludge or mixed)	Hazard code(s)	Container type, number and size
CEMENT	170605	APPROX 3T	CHRYSOTILE	<15%	SOLID	H7	35yd³

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

EWC code	UN identification number(s)	Proper shipping name(s)	UN class(es)	Packing group(s)	Special handling requirements
260201	2590	WHITE	9	III	CV13 CV28

PART C Carrier's certificate

(If more than one carrier is used, please attach schedule for subsequent carriers. If 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.

Where this note comprises part of a multiple collection the round number and collection number are: 1 /

1 Carrier name: HUTCHINSON DEMOLITION & DISMANTLING LTD

On behalf of (name, address, postcode, telephone, e-mail, facsimile):
HUTCHINSON DEMOLITION & DISMANTLING LTD
CALDER ROAD, RAVENSTHORPE, DEWSBURY WF13 3JS

2 Carrier registration no./reason for exemption:
CBI QE 5909 XC

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

Signature

Date [redacted] Time [redacted]

PART D Consignor's certificate

I certify that the information in A, B and C has been completed and 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 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 name: HUTCHINSON DEMOLITION

On behalf of (name, address, postcode, telephone, e-mail, facsimile): HUTCHINSON DEMOLITION & DISMANTLING LTD
NETHERFIELD WORKS, CALDER ROAD
RAVENSTHORPE, DEWSBURY
WF13 3JS

Signature [redacted]

Date [redacted] Time [redacted] 00

PART E Consignee's certificate

Individual EWC code(s) received	Quantity of each EWC code received (kg)	EWC code accepted/rejected	Waste management operation (R or D code)
170605	4, 100KG	170605	
170605			

1 I received this waste at the address given in A4 on: Date [redacted] Time [redacted]

2 Vehicle registration no. (or mode of transport if not road): X896 DAT

3 Where waste is rejected please provide details:

I certify that waste permit/exempt waste operation number:

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

Where the consignment forms part of a multiple collection, as identified in Part C, I certify that the total number of consignments forming the collection are:

Name:

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

Signature [redacted]

Date [redacted] Time [redacted]

HWCN01v111

Attachment 3

Photographic Record from Inspection Completed on 1st October 2015

Photograph 1 View looking west from site entrance showing proposed driveway (slightly raised area) and areas where surface soils have been removed

Photograph 2 View across the western end of the site showing validation sampling marker pegs and proposed driveway (slightly raised area centre)

Site Address:	Land Adjoining 23 Jagger Lane, Emley Moor, Huddersfield, West Yorkshire, HD8 9SY	
Title:	Attachment 3 – Photographic Record	AC Environment Solutions Unit 5A Enterprise Court, Farfield Park, Manvers, Rotherham, South Yorkshire S63 5DB
Client:	R & B Schofield Building Contractors	
Date:	01/10/2015	

Photograph 3 View across the northern part of the site looking east showing termination of proposed driveway where surface soils have not been removed

Photograph 4 View across the western end of the site looking south

Site Address:	Land Adjoining 23 Jagger Lane, Emley Moor, Huddersfield, West Yorkshire, HD8 9SY	
Title:	Attachment 3 – Photographic Record	AC Environment Solutions Unit 5A Enterprise Court, Farfield Park, Manvers, Rotherham, South Yorkshire S63 5DB
Client:	R & B Schofield Building Contractors	
Date:	01/10/2015	

Photograph 5 View across the northern part of the site looking north. The surface water (centre right) relates to deeper excavations to remove localised TPHs

Photograph 6 View across the southern part of the site looking east towards the former location of TP1 near the demolished brick barn

Site Address:	Land Adjoining 23 Jagger Lane, Emley Moor, Huddersfield, West Yorkshire, HD8 9SY	
Title:	Attachment 3 – Photographic Record	AC Environment Solutions Unit 5A Enterprise Court, Farfield Park, Manvers, Rotherham, South Yorkshire S63 5DB
Client:	R & B Schofield Building Contractors	
Date:	01/10/2015	

Photograph 7 Former location of TP1 near the western elevation of the demolished brick barn where surface soils have been removed to a depth of 0.6m

Photograph 8 TP1 validation sampling points (TP1-Vnorth (left), TP1-Vsouth (right), TP1-Vwest (spade foreground) and TP1-Veast (brick foundation)

Site Address:	Land Adjoining 23 Jagger Lane, Emley Moor, Huddersfield, West Yorkshire, HD8 9SY	
Title:	Attachment 3 – Photographic Record	ACE Environment Solutions Unit 5A Enterprise Court, Farfield Park, Manvers, Rotherham, South Yorkshire S63 5DB
Client:	R & B Schofield Building Contractors	
Date:	01/10/2015	

Photograph 9 Excavation at TP3 (top centre) to 0.75m which was extended to remove some visible petroleum hydrocarbon contamination (the concrete block denotes the north western corner of the former large shed)

Photograph 10 Former location of TP3 (bottom centre) and extent of excavation to remove visible petroleum hydrocarbons that are no longer apparent

Site Address:	Land Adjoining 23 Jagger Lane, Emley Moor, Huddersfield, West Yorkshire, HD8 9SY
Title:	Attachment 3 – Photographic Record
Client:	R & B Schofield Building Contractors
Date:	01/10/2015

ACE Environment Solutions
Unit 5A Enterprise Court, Farfield Park, Manvers, Rotherham, South Yorkshire S63 5DB

Photograph 11 Widened excavation from TP3 extending beneath location of proposed building footprint, looking north

Photograph 12 Extent of excavation to remove visible petroleum hydrocarbons where a detailed inspection was conducted of exposed soils

Site Address:	Land Adjoining 23 Jagger Lane, Emley Moor, Huddersfield, West Yorkshire, HD8 9SY	
Title:	Attachment 3 – Photographic Record	AC Environment Solutions Unit 5A Enterprise Court, Farfield Park, Manvers, Rotherham, South Yorkshire S63 5DB
Client:	R & B Schofield Building Contractors	
Date:	01/10/2015	

Photograph 13 Extent of excavation extending from TP3 to remove petroleum hydrocarbons that are no longer apparent

Photograph 14 Extent of excavation extending from TP3 to remove petroleum hydrocarbons that are no longer apparent

Site Address:	Land Adjoining 23 Jagger Lane, Emley Moor, Huddersfield, West Yorkshire, HD8 9SY
Title:	Attachment 3 – Photographic Record
Client:	R & B Schofield Building Contractors
Date:	01/10/2015

ACE Environment Solutions
Unit 5A Enterprise Court, Farfield Park, Manvers,
Rotherham, South Yorkshire S63 5DB

Photograph 15 Deepened section of the excavation into underlying clay (beneath water level) to remove visible petroleum hydrocarbons no longer apparent

Photograph 16 Accumulation of rainwater within the vehicle inspection pit, in which there has been no visible petroleum hydrocarbons present

Site Address:	Land Adjoining 23 Jagger Lane, Emley Moor, Huddersfield, West Yorkshire, HD8 9SY
Title:	Attachment 3 – Photographic Record
Client:	R & B Schofield Building Contractors
Date:	01/10/2015

ACE Environment Solutions
Unit 5A Enterprise Court, Fenfield Park, Manvers, Rotherham, South Yorkshire S63 5DB

Photograph 17 Location of vehicle inspection pit (centre right) in relation to extended TP3 excavation

Photograph 18 Location of TP6 (centre) adjoining NE corner of demolished brick barn where full depth of trial pit (1.6m) was removed and surrounding soils to 0.6m

Site Address:	Land Adjoining 23 Jagger Lane, Emley Moor, Huddersfield, West Yorkshire, HD8 9SY
Title:	Attachment 3 – Photographic Record
Client:	R & B Schofield Building Contractors
Date:	01/10/2015

ACE Environment Solutions
Unit 5A Enterprise Court, Farfield Park, Manvers, Rotherham, South Yorkshire S63 5DB

Photograph 19 Extent of excavations around TP6 looking north, where a detailed inspection of exposed soils was undertaken

Photograph 20 Extent of excavations at TP6 looking south west. Slight hydrocarbon odours were found to remain at the far (western) end of the excavation beneath the suspected location of a former second tank

Site Address:	Land Adjoining 23 Jagger Lane, Emley Moor, Huddersfield, West Yorkshire, HD8 9SY
Title:	Attachment 3 – Photographic Record
Client:	R & B Schofield Building Contractors
Date:	01/10/2015

ACE Environment Solutions
Unit 5A Enterprise Court, Farfield Park, Manvers, Rotherham, South Yorkshire S63 5DB

Photograph 21 Extended excavation at TP6 to remove residual petroleum hydrocarbons which appeared more odourous within soils above the line of a buried field drain (extending from spade)

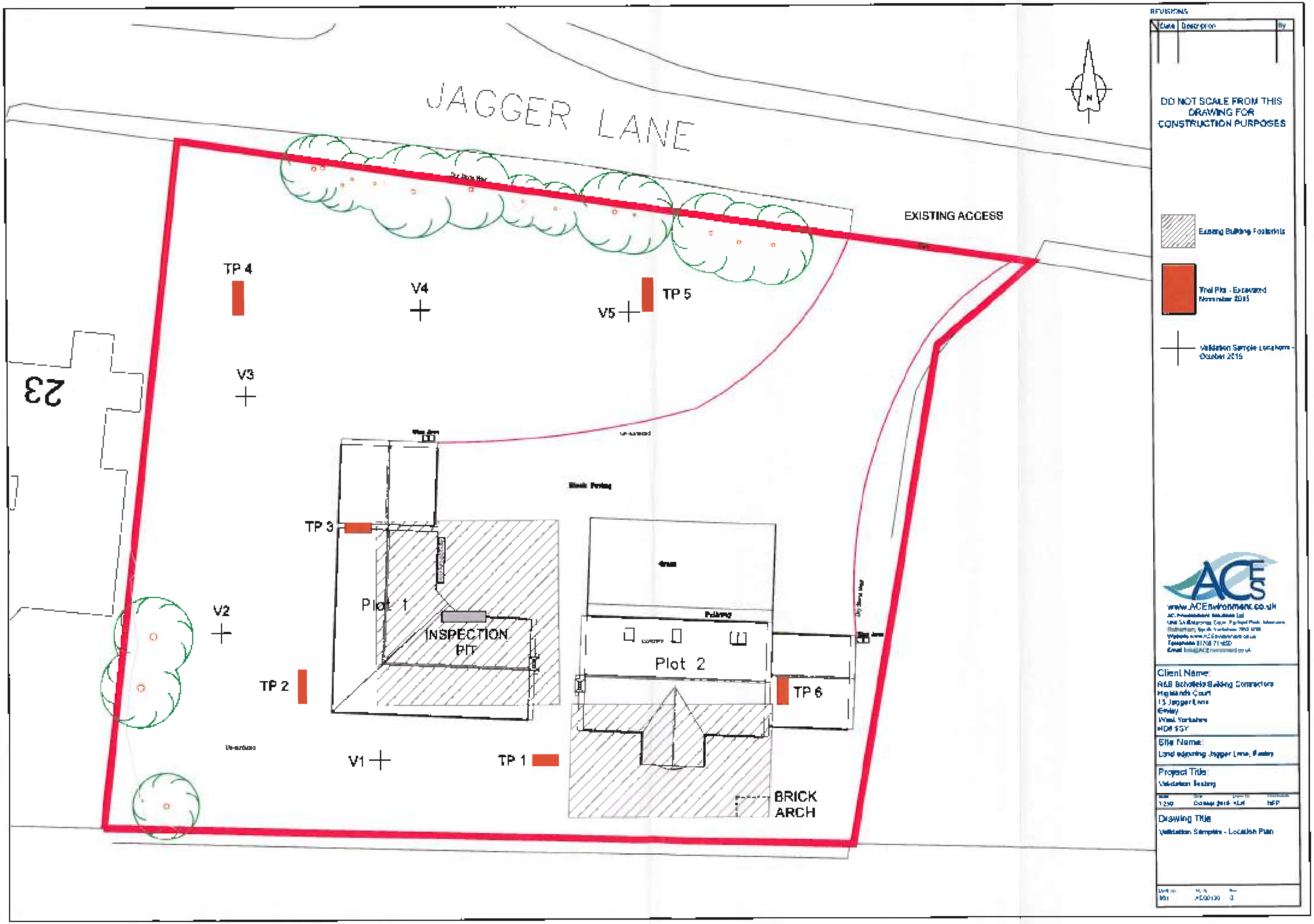
Photograph 22 Extended excavation at TP6 (beneath proposed building footprint) upon completion to a maximum depth of 1.15m below barn floor, looking east

Site Address:	Land Adjoining 23 Jagger Lane, Emley Moor, Huddersfield, West Yorkshire, HD8 9SY
Title:	Attachment 3 – Photographic Record
Client:	R & B Schofield Building Contractors
Date:	01/10/2015

ACE Environment Solutions
Unit 5A Enterprise Court, Farfield Park, Manvers, Rotherham, South Yorkshire S63 5DB

Attachment 4

Plan of Validation Spot Sampling Locations



JAGGER LANE
EXISTING ACCESS
TP 4
V4
TP 5
V5
V3
23
TP 3
Plot 1
INSPECTION PIT
Plot 2
V2
TP 2
TP 6
V1
TP 1
BRICK ARCH
REVISIONS
Date
Description
By
DO NOT SCALE FROM THIS DRAWING FOR CONSTRUCTION PURPOSES
Existing Building Footprints
Trial Pits - Excavated November 2015
Validation Sample Locations - October 2015
www.ACEnvironment.co.uk
Client Name:
Site Name:
Land adjoining Jagger Lane, Emley
Project Title:
Validation Testing
Drawing Title
Validation Samples - Location Plan

Attachment 5

Plan Showing Targeted Excavation Locations

Proposed Access

TP 3

Plot 1

TP 7

INSPECTION PIT

TP 8

Proposed Grass

Pathway

Concrete

Plot 2

1.2m depth to field drain

TP 6

BB 3

TP 1- Vnorth

TP 1- Vwest

TP 1

TP 1- Veast

TP 1- Vsouth

CONCRETE FLOOR

DIRT FLOOR

BRICK ARCH

BB 2

BB 1

BRICK ARCH

N

REVISIONS

Date	Description	By

DO NOT SCALE FROM THIS DRAWING FOR CONSTRUCTION PURPOSES

Existing building Footprints

ACE

www.ACEnvironment.co.uk

ACE Environment Services Ltd
Unit 5A Enterprise Court, Fenton Park, Mansfield, Nottinghamshire, South Yorkshire, S62 5RD
Website www.ACEnvironment.co.uk
Telephone 01709 710 650
Email mail@ACEnvironment.co.uk

Client Name

R&D Scholefield Building Contractors
Highlands Court
15 Jagger Lane
Emley
West Yorkshire
HD8 9EY

Site Name

Land adjoining Jagger Lane, Emley

Project Title

Validation Testing

Scale	Date	Drawn By	Checked By
1:125	October 2013	ALH	RFP

Drawing Title

Validation Trial Pit Locations

Drawing No.	Issue	Rev
002	A3Portrait	0

Attachment 6

Waste Transfer Notes for Disposal of Unsuitable Soils to Licensed Landfill

CatPlant Ltd.
Hazel lane Quarry.
Hampole.
Doncaster 01302 726778

Waste In

Ticket No: 206856

Permit No: BL4940

Vehicle Reg: MV66XDK

Supplier: JAY JAYRANGE

Haulier: JAYRANGE JAYRANGE LTD
Waste Carrier License: CBFP3317QQ

Waste: 40153 JAYRANGE - SOIL + STONES
EWC Code: 17.05.04 soil and stones other than those mentioned in 17.0
Source: HUDDERSFIELD
DW Code:

First Weight:	33985 kg	105419	28/08/15 08:10:11	01
Second Weight:	13520 kg	206231	28/08/15 08:31:10	02
Net Weight:	20460 kg			

Comments: A SCHOFIELD
Order Number: WESTFIELD LANE EMLEY MOOR
Transfer Note: 27040

Operators Signature:

Drivers Signature:

Print Driver Name:

A record of the weights used on this transaction will be kept for six months

CatPlant Ltd.
Hazel lane Quarry.
Hampole.
Doncaster 01302 726778

Waste In

Ticket No: 206326

Permit No: BL4940

Vehicle Reg: RU57JYX

Supplier: JAY JAYRANGE

Haulier: JAYRANGE JAYRANGE LTD
Waste Carrier License: CBFP3317QQ

Waste: 40153 JAYRANGE - SOIL + STONES
EWC Code: 17.05.04 soil and stones other than those mentioned in 17.0
Source: HUDDERSFIELD
DW Code:

First Weight:	35400 kg	155880	28/08/15 15:28:40	01
Second Weight:	15500 kg	206443	28/08/15 15:38:08	02
Net Weight:	19840 kg			

Comments: A SCHOFIELD
Order Number: WESTFIELD LANE EMLEY MOOR
Transfer Note: 27043

Operators Signature:

Drivers Signature:

Print Driver Name:

A record of the weights used on this transaction will be kept for six months

Waste In.

Ticket No. 206308

CatPlant Ltd.
Hazel lane Quarry.
Hampole.
Doncaster 01302 736775

Permit No. BL4940

Vehicle Reg. KU57JYX

Supplier JAY JAYRANGE

Haulier JAYRANGE JAYRANGE LTD
Waste Carrier License CBFP3317QQ

Waste 40153 JAYRANGE - SOIL + STONES
EWC Code 17.05.04 soil and stones other than those mentioned in 17 0
Source HUDDERSFIELD
DW Code

First Weight	33640	kg	KB-ENTE	28/08/18 13:15:42	*
Second Weight	15620	kg	208427	28/08/18 13:27:36	02
Net Weight	18020	kg			

Comments. A SCHOFIELD
Order Number. WESTFIELD LANE EMLEY MOOR
Transfer Note 27043

Operators Signature.

Drivers Signature.

Print Driver Name.

A record of the weights used on this transaction will be kept for six months

Waste In.

Ticket No. 206287

CatPlant Ltd.
Hazel lane Quarry.
Hampole.
Doncaster 01302 736775

Permit No. BL4940

Vehicle Reg. KU57JYX

Supplier JAY JAYRANGE

Haulier JAYRANGE JAYRANGE LTD
Waste Carrier License CBFP3317QQ

Waste 40153 JAYRANGE - SOIL + STONES
EWC Code 17.05.04 soil and stones other than those mentioned in 17 0
Source HUDDERSFIELD
DW Code

First Weight	33320	kg	105537	28/08/18 10:41:21	01
Second Weight	15620	kg	208411	28/08/18 10:53:32	02
Net Weight	17700	kg			

Comments. A SCHOFIELD
Order Number. WESTFIELD LANE EMLEY MOOR
Transfer Note 27043

Operators Signature.

Drivers Signature.

Print Driver Name.

A record of the weights used on this transaction will be kept for six months

Waste In.

Ticket No. 206206

Plant Ltd.
Bawtry lane Quarry.
Hampole.
Doncaster 01302 726776

Permit No. BL4940

Vehicle Reg. KU67JYX

Supplier JAY JAYRANGE

Haulier JAYRANGE JAYRANGE LTD
Waste Carrier License CB/FF3317QQ

Waste 40153 JAYRANGE - SOIL + STONES
EWC Code 17.05.04 soil and stones other than those mentioned in 17 0
Source HUDDERSFIELD
DW Code

First Weight	36860 kg	106619	28/08/18 08:34:59	01
Second Weight	15640 kg	206386	28/08/18 08:38:50	02
Net Weight	21220 kg			

Comments. A SCHOFIELD
Order Number WESTFIELD LANE EMLEY MOOR
Transfer Note 27045

Operators Signature.

Drivers Signature

Print Driver Name.

A record of the weights used on this transaction will be kept for six months

Waste In.

Ticket No. 206230

Plant Ltd.
Bawtry lane Quarry.
Hampole.
Doncaster 01302 726776

Permit No. BL4940

Vehicle Reg. KU67JYX

Supplier JAY JAYRANGE

Haulier. JAYRANGE JAYRANGE LTD
Waste Carrier License. CB/FF3317QQ

Waste. 40153 JAYRANGE - SOIL + STONES
EWC Code 17.05.04 soil and stones other than those mentioned in 17 0
Source HUDDERSFIELD
DW Code

First Weight	36960 kg	106601	27/08/18 13:40:08	01
Second Weight	15600 kg	206384	27/08/18 13:57:56	02
Net Weight	21360 kg			

Comments. A SCHOFIELD
Order Number. WESTFIELD LANE EMLEY MOOR
Transfer Note 27042

Operators Signature.

Drivers Signature

Print Driver Name.

A record of the weights used on this transaction will be kept for six months

Waste In.

Ticket No. 206206

[illegible] Plant Ltd.
[illegible] lane Quarry,
Hampole.
Doncaster 01302 725775

Permit No. BL4040

Vehicle Reg. KU07JYX

Supplier JAY JAYRANGE

Haulier. JAYRANGE JAYRANGE LTD
Waste Carrier License. CB/FP3317QQ

Waste. 40153 JAYRANGE - SOIL + STONES
EWC Code. 17.05.04 soil and stones other than those mentioned in 17.0
Source HUDDERSFIELD
DW Code

First Weight	36600 kg	196487	27/08/15 11:13:04	01
Second Weight	15640 kg	206206	27/08/15 11:20:47	02
Net Weight	20960 kg			

Comments. A SCHOFIELD
Order Number WESTFIELD LANE EMLEY MOOR
Transfer Note 27042

Operators Signature.

Drivers Signature

Print Driver Name.

A record of the weights used on this transaction will be kept for six months

Waste In.

Ticket No. 206184

[illegible] Plant Ltd.
[illegible] lane Quarry,
Hampole.
Doncaster 01302 725775

Permit No. BL4040

Vehicle Reg. KU07JYX

Supplier JAY JAYRANGE

Haulier. JAYRANGE JAYRANGE LTD
Waste Carrier License. CB/FP3317QQ

Waste. 40153 JAYRANGE - SOIL + STONES
EWC Code. 17.05.04 soil and stones other than those mentioned in 17.0
Source HUDDERSFIELD
DW Code

First Weight	36660 kg	196470	27/08/15 08:48:16	01
Second Weight	15680 kg	206335	27/08/15 09:02:08	02
Net Weight	20980 kg			

Comments. A SCHOFIELD
Order Number WESTFIELD LANE EMLEY MOOR
Transfer Note 27040

Operators Signature.

Drivers Signature

Print Driver Name.

A record of the weights used on this transaction will be kept for six months

Waste in.

Ticket No. 206037

Plant Ltd.
lane Quarry.
Hampole.
Doncaster 01302 725775

Permit No. BL4940

Vehicle Reg.	KU57JYX			
Supplier	JAY	JAYRANGE		
Haulier	JAYRANGE	JAYRANGE LTD		
Waste Carrier License		CB/FF3317QQ		
Waste	40153	JAYRANGE - SOIL + STONES		
EWC Code.	17.05.04	soil and stones other than those mentioned in 17.0		
Source		HUDDERSFIELD		
DW Code.				
First Weight	33880 kg	105409	26/08/15 08:13:38	01
Second Weight	15500 kg	200220	26/08/15 08:29:03	02
Net Weight	18380 kg			

Comments A SCHOFIELD
Order Number WESTFIELD LANE EMLEY MOOR
Transfer Note 27046 JA

Operators Signature

Drivers Signature

Print Driver Name

A record of the weights used on this transaction will be kept for six months

Waste In.

Ticket No. 206070

Plant Ltd.
lane Quarry.
Hampole.
Doncaster 01302 725775

Permit No. BL4940

Vehicle Reg.	KU57JYX			
Supplier	JAY	JAYRANGE		
Haulier	JAYRANGE	JAYRANGE LTD		
Waste Carrier License		CB/FF3317QQ		
Waste	40153	JAYRANGE - SOIL + STONES		
EWC Code.	17.05.04	soil and stones other than those mentioned in 17.0		
Source		HUDDERSFIELD		
DW Code				
First Weight	36320 kg	105383	25/08/15 15:03:20	01
Second Weight	15680 kg	200193	25/08/15 15:15:44	02
Net Weight	20640 kg			

Comments A SCHOFIELD
Order Number WESTFIELD LANE EMLEY MOOR
Transfer Note 27026

Operators Signature

Drivers Signature

Print Driver Name

A record of the weights used on this transaction will be kept for six months

Waste In.

Plant Ltd.
Hazel lane Quarry.
Hampole.
Doncaster 01302 725775

Ticket No. 206052

Permit No. BL4940

Vehicle Reg. KU57JYX

Supplier JAY JAYRANGE

Haulier. JAYRANGE JAYRANGE LTD
Waste Carrier License. CBFP3317QQ

Waste.	40153	JAYRANGE - SOIL + STONES
EWC Code	17.05.04	soil and stones other than those mentioned in 17.0
Source		HUDDERSFIELD
DW Code.		

First Weight	35720 kg	108382	25/08/15 12:56:16	01
Second Weight	15560 kg	208174	25/08/15 13:08:33	02
Net Weight	20160 kg			

Comments. A SCHOFIELD
Order Number WESTFIELD LANE EMLEY MOOR
Transfer Note 27009

AA

Operators Signature

Drivers Signature

Print Driver Name.

A record of the weights used on this transaction will be kept for six months

Waste In.

Plant Ltd.
Hazel lane Quarry.
Hampole.
Doncaster 01302 725775

Ticket No. 206025

Permit No. BL4940

Vehicle Reg. KU57JYX

Supplier JAY JAYRANGE

Haulier. JAYRANGE JAYRANGE LTD
Waste Carrier License. CBFP3317QQ

Waste.	40153	JAYRANGE - SOIL + STONES
EWC Code.	17.05.04	soil and stones other than those mentioned in 17.0
Source		HUDDERSFIELD
DW Code.		

First Weight	35720 kg	108366	25/08/15 10:12:00	01
Second Weight	15600 kg	208148	25/08/15 10:24:46	02
Net Weight	20120 kg			

Comments. A SCHOFIELD
Order Number. WESTFIELD LANE EMLEY MOOR
Transfer Note 27008

Operators Signature.

Drivers Signature

Print Driver Name.

A record of the weights used on this transaction will be kept for six months

Waste In

Plant Ltd.
Hazel lane Quarry.
Hampole.
Doncaster 01302 726775

Ticket No 206335

Permit No. BL4840

Vehicle Reg. KU67JYX

Supplier JAY JAYRANGE

Haulier JAYRANGE JAYRANGE LTD
Waste Carrier Licence CBFP3317GG

Waste	40153	JAYRANGE - SOIL + STONES		
EWC Code	17.05.04	soil and stones other than those mentioned in 17.0		
Source		HUDDERSFIELD		
DW Code				
First Weight	34820 kg	105355	28/08/18 07:46:33	01
Second Weight	15660 kg	208128	28/08/18 08:01:04	02
Net Weight	19160 kg			

Comments. A SCHOFIELD
Order Number. WESTFIELD LANE EMLEY MOOR
Transfer Note 27030

Operators Signature.

Drivers Signature

Print Driver Name.

A record of the weights used on this transaction will be kept for six months

Waste In

Plant Ltd.
Hazel lane Quarry.
Hampole.
Doncaster 01302 726775

Ticket No 206596

Permit No BL4840

Vehicle Reg. NV58XDK

Supplier JAY JAYRANGE

Haulier. JAYRANGE JAYRANGE LTD
Waste Carrier Licence. CBFP3317GG

Waste.	40153	JAYRANGE - SOIL + STONES		
EWC Code.	17.05.04	soil and stones other than those mentioned in 17.0		
Source		HUDDERSFIELD		
DW Code.				
First Weight	32100 kg	105742	03/09/18 09:12:38	01
Second Weight	13540 kg	208712	03/09/18 09:39:09	02
Net Weight	18560 kg			

Comments. A SCHOFIELD
Order Number. WESTFIELD LANE EMLEY MOOR
Transfer Note [illegible]

Operators Signature

Drivers Signature

Print Driver Name.

A record of the weights used on this transaction will be kept for six months

Waste In

Ticket No: 206903

...Plant Ltd.
...zel lane Quarry.
Hampole.
Doncaster 01302 726775

Permit No: BL4640

Vehicle Reg: MV66EDK

Supplier: JAY — JAYRANGE

Haulier: JAYRANGE — JAYRANGE LTD
Waste Carrier License: CBFP331TQQ

Waste: 40163
EWC Code: 17.05.04
Source
DW Code:

JAYRANGE - SOIL + STONES
soil and stones other than those mentioned in 17.0
HUDDERSFIELD

First Weight	33380 kg	105759	03/09/15 10:03:35	01
Second Weight	13480 kg	206738	03/09/15 10:04:36	02
Net Weight	19900 kg			

Comments: A SCHOFIELD
Order Number: WESTFIELD LANE EMLEY MOOR
Transfer Note: 26668

Operators Signature

Drivers Signature

Print Driver Name

A record of the weights used on this transaction will be kept for six months

Waste In

Ticket No: 206858

...Plant Ltd.
...zel lane Quarry.
Hampole.
Doncaster 01302 725775

Permit No: BL4640

Vehicle Reg: MV66EDK

Supplier: JAY — JAYRANGE

Haulier: JAYRANGE — JAYRANGE LTD
Waste Carrier License: CBFP331TQQ

Waste: 40163
EWC Code: 17.05.04
Source
DW Code:

JAYRANGE - SOIL + STONES
soil and stones other than those mentioned in 17.0
HUDDERSFIELD

First Weight	31960 kg	105781	03/09/15 13:06:37	01
Second Weight	13480 kg	206788	03/09/15 13:07:43	02
Net Weight	18480 kg			

Comments: A SCHOFIELD
Order Number: WESTFIELD LANE EMLEY MOOR
Transfer Note: 26668

Operators Signature

Drivers Signature

Print Driver Name

A record of the weights used on this transaction will be kept for six months

Waste In

Ticket No: 206873

Plant Ltd.
Hazel lane Quarry
Hampole.
Doncaster 01302 726775

Permit No: BL4840

Vehicle Reg: MV66XDK

Supplier: JAY — JAYRANGE

Haulier: JAYRANGE — JAYRANGE LTD
Waste Carrier License: CBTP331FQQ

Waste: 40103
EWC Code: 17.05.04
Source
DW Code

JAYRANGE - SOIL + STONES
soil and stones other than those mentioned in 17.0
HUDDERSFIELD

First Weight	32040 kg	105795	03/05/16 15:14:11	01
Second Weight	13440 kg	206789	03/05/16 15:24:52	02
Net Weight	18600 kg			

Comments: A SCHOFIELD
Order Number: WESTFIELD LANE EMLEY MOOR
Transfer Note: 26969

Operators Signature:

Drivers Signature:

Print Driver Name:

A record of the weights used on this transaction will be kept for six months

Waste In

Ticket No: 206835

Plant Ltd.
Hazel lane Quarry
Hampole.
Doncaster 01302 726775

Permit No: BL4840

Vehicle Reg: MV66XDK

Supplier: JAY — JAYRANGE

Haulier: JAYRANGE — JAYRANGE LTD
Waste Carrier License: CBTP331FQQ

Waste: 40103
EWC Code: 17.05.04
Source
DW Code

JAYRANGE - SOIL + STONES
soil and stones other than those mentioned in 17.0
HUDDERSFIELD

First Weight	33100 kg	106801	07/09/16 08:36:35	01
Second Weight	13430 kg	206849	07/09/16 08:47:16	02
Net Weight	19680 kg			

Comments: A SCHOFIELD
Order Number: WESTFIELD LANE EMLEY MOOR
Transfer Note: 26969

Operators Signature:

Drivers Signature:

Print Driver Name:

A record of the weights used on this transaction will be kept for six months

Waste In

Ticket No 206892

Plant Ltd.
Hazel lane Quarry.
Hampole.
Doncaster 01302 728778

Permit No BL4643

Vehicle Reg NV58XDK

Supplier JAY JAYRANGE

Hauler JAYRANGE JAYRANGE LTD
Waste Carrier License CBFP331700

Waste 40153 JAYRANGE - SOIL + STONES
EWC Code 17 05 04 soil and stones other than those mentioned in 17 0
Source HUDDERSFIELD
DW Code

First Weight	33060 kg	106918	07/09/15 12:48:19	01
Second Weight	13420 kg	206876	07/09/15 13:06:34	02
Net Weight	19640 kg			

Comments A SCHOFIELD
Order Number WESTFIELD LANE EMLEY MOOR
Transfer Note 28899

Operators Signature

Drivers Signature

Print Driver Name

A record of the weights used on this transaction will be kept for six months

Waste In

Ticket No 206893

Plant Ltd.
Hazel lane Quarry.
Hampole.
Doncaster 01302 728778

Permit No BL4643

Vehicle Reg NV58XDK

Supplier JAY JAYRANGE

Hauler JAYRANGE JAYRANGE LTD
Waste Carrier License CBFP331700

Waste 40153 JAYRANGE - SOIL + STONES
EWC Code 17 05 04 soil and stones other than those mentioned in 17 0
Source HUDDERSFIELD
DW Code

First Weight	32480 kg	106937	07/09/15 13:29:29	01
Second Weight	13560 kg	206908	07/09/15 13:48:37	02
Net Weight	18920 kg			

Comments A SCHOFIELD
Order Number WESTFIELD LANE EMLEY MOOR
Transfer Note 28899

Operators Signature

Drivers Signature

Print Driver Name

A record of the weights used on this transaction will be kept for six months

Waste In

Ticket No 206021

CutPlant Ltd.
Hazel lane Quarry.
Hampole.
Doncaster 01302 726775

Permit No BL4840

Vehicle Reg. NV68XDK

Supplier JAY JAYRANGE

Hauler JAYRANGE JAYRANGE LTD
Waste Carrier License CBDP331700

Waste 40153 JAYRAMGE - SOIL + STONES
EWC Code 17.05.04 soil and stones other than those mentioned in 17.0
Source HUDDERSFIELD
DW Code

First Weight 32890 kg 105858 07/06/15 16:32:31 01
Second Weight 13520 kg 209036 07/06/15 16:44:24 02
Net Weight 19360 kg

Comments A SCHOFIELD
Order Number WESTFIELD LANE EMLEY MOOR
Transfer Note 26868

Operators Signature

Drivers Signature

Print Driver Name

A record of the weights used on this transaction will be kept for six months

Waste In

Ticket No 207046

CutPlant Ltd.
Hazel lane Quarry.
Hampole.
Doncaster 01302 726775

Permit No BL4840

Vehicle Reg. NV68XDK

Supplier JAY JAYRANGE

Hauler JAYRANGE JAYRANGE LTD
Waste Carrier License CBDP331700

Waste 40153 JAYRANGE - SOIL + STONES
EWC Code 17.05.04 soil and stones other than those mentioned in 17.0
Source HUDDERSFIELD
DW Code

First Weight 32880 kg 106038 08/06/15 08:15:20 01
Second Weight 13580 kg 209181 08/06/15 08:33:09 02
Net Weight 19860 kg

Comments A SCHOFIELD
Order Number WESTFIELD LANE EMLEY MOOR
Transfer Note 26930

Operators Signature

Drivers Signature

Print Driver Name

A record of the weights used on this transaction will be kept for six months

Waste In

Ticket No. 207075

CalPlant Ltd.
Hazel lane Quarry.
Hampole.
Doncaster 01302 725775

Permit No. BL4940

Vehicle Reg. MV64XDK

Supplier JAY JAYRANGE

Hauler JAYRANGE JAYRANGE LTD
Waste Carrier License CBTP3317DG

Waste 40153 JAYRANGE - SOIL + STONES
EWC Code 17.05.04 soil and stones other than those mentioned in 17 0
Source HUDDERSFIELD
DW Code

First Weight	33660 kg	196302	08/09/15 10:24:37	01
Second Weight	13560 kg	209191	08/09/15 10:38:19	02
Net Weight	19100 kg			

Comments A SCHOFIELD
Order Number WESTFIELD LANE EMLEY MOOR
Transfer Note 26869

Operators Signature

Drivers Signature

Print Driver Name

A record of the weights used on this transaction will be kept for six months

Waste In

Ticket No. 207222

CalPlant Ltd.
Hazel lane Quarry.
Hampole.
Doncaster 01302 725775

Permit No. BL4940

Vehicle Reg. MV64XDK

Supplier JAY JAYRANGE

Hauler JAYRANGE JAYRANGE LTD
Waste Carrier License CBTP3317DG

Waste 40153 JAYRANGE - SOIL + STONES
EWC Code 17.05.04 soil and stones other than those mentioned in 17 0
Source HUDDERSFIELD
DW Code

First Weight	33660 kg	196017	08/09/15 12:51:57	01
Second Weight	13620 kg	209215	08/09/15 13:03:51	02
Net Weight	20040 kg			

Comments A SCHOFIELD
Order Number WESTFIELD LANE EMLEY MOOR
Transfer Note 26869

Operators Signature

Drivers Signature

Print Driver Name

A record of the weights used on this transaction will be kept for six months

Waste In.

Ticket No. 207118

...gPlant Ltd.
Hazel lane Quarry.
Hampole.
Doncaster 01302 735775

Permit No BL4940

Vehicle Reg. MV66XDK

Supplier JAY JAYRANGE

Haulier. JAYRANGE JAYRANGE LTD
Waste Carrier Licence CBFP331700

Waste 40153 JAYRANGE - SOIL + STONES
EWC Code 17.05.04 soil and stones other than those mentioned in 17.0
Source HUDDERSFIELD
DW Code

First Weight	31480 kg	196386	09/09/15 14:46:23	01
Second Weight	13500 kg	209234	09/09/15 14:58:21	02
Net Weight	17980 kg			

Comments. A SCHOFIELD
Order Number. WESTFIELD LANE EMLEY MOOR
Transfer Note 20069

Operators Signature

Drivers Signature

Print Driver Name.

A record of the weights used on this transaction will be kept for six months

Waste In.

Ticket No. 207224

...gPlant Ltd.
Hazel lane Quarry.
Hampole.
Doncaster 01302 726778

Permit No BL4940

Vehicle Reg. MV66XDK

Supplier JAY JAYRANGE

Haulier JAYRANGE JAYRANGE LTD
Waste Carrier Licence CBFP331700

Waste 40153 JAYRANGE - SOIL + STONES
EWC Code 17.05.04 soil and stones other than those mentioned in 17.0
Source HUDDERSFIELD
DW Code

First Weight	31360 kg	100188	11/09/15 08:17:46	01
Second Weight	13500 kg	208341	11/09/15 08:29:37	02
Net Weight	17860 kg			

Comments. A SCHOFIELD
Order Number. WESTFIELD LANE EMLEY MOOR
Transfer Note 20090

Operators Signature

Drivers Signature

Print Driver Name

A record of the weights used on this transaction will be kept for six months

Waste In.

Ticket No 207248

EcoPlant Ltd.
Hazel lane Quarry.
Hampole.
Doncaster 01302 726776

Permit No. SL4940

Vehicle Reg. MV66XDK

Supplier JAY JAYRANGE

Haulier JAYRANGE JAYRANGE LTD
Waste Carrier License CBFP331700

Waste 40153 JAYRANGE - SOIL + STONES
EWC Code 17.05.04 soil and stones other than those mentioned in 17.0
Source HUDDERSFIELD
DW Code

First Weight	31120 kg	106181	11/09/15 10:21:25	01
Second Weight	13520 kg	209388	11/09/15 10:33:21	02
Net Weight	17600 kg			

Comments A SCHOFIELD
Order Number WESTFIELD LANE EMLEY MOOR
Transfer Note 20980

Operators Signature

Drivers Signature

Print Driver Name

A record of the weights used on this transaction will be kept for six months

Waste In.

Ticket No 207276

EcoPlant Ltd.
Hazel lane Quarry.
Hampole.
Doncaster 01302 726776

Permit No. SL4940

Vehicle Reg. MV66XDK

Supplier JAY JAYRANGE

Haulier JAYRANGE JAYRANGE LTD
Waste Carrier License CBFP331700

Waste 40153 JAYRANGE - SOIL + STONES
EWC Code 17.05.04 soil and stones other than those mentioned in 17.0
Source HUDDERSFIELD
DW Code

First Weight	31520 kg	106197	11/09/15 13:52:14	01
Second Weight	13520 kg	209391	11/09/15 13:53:06	02
Net Weight	18000 kg			

Comments A SCHOFIELD
Order Number WESTFIELD LANE EMLEY MOOR
Transfer Note 20989

Operators Signature

Drivers Signature

Print Driver Name

A record of the weights used on this transaction will be kept for six months

Waste In

Ticket No 207298

CatPlant Ltd.
Hazel lane Quarry.
Hampole.
Doncaster 01302 728775

Permit No. BL4940

Vehicle Reg. MV68XDK

Supplier JAY JAYRANGE

Hauler. JAYRANGE JAYRANGE LTD
Waste Carrier License. CBFP3317QG

Waste. 40153 JAYRANGE - SOIL + STONES
EWC Code 17.05.04 soil and stones other than those mentioned in 17.0
Source HUDDERSFIELD
DW Code

First Weight	31680 kg	106387	11/08/15 14:56:40	01
Second Weight	13500 kg	KB-EMTE	11/08/15 15:07:15	*
Net Weight	18180 kg			

Comments. A SCHOFIELD
Order Number. WESTFIELD LANE EMLEY MOOR
Transfer Note 26909

Operators Signature.

Drivers Signature

Print Driver Name.

A record of the weights used on this transaction will be kept for six months

Waste In

Ticket No 206442

CatPlant Ltd.
Hazel lane Quarry.
Hampole.
Doncaster 01302 728775

Permit No. BL4940

Vehicle Reg. KU67JYX

Supplier JAY JAYRANGE

Hauler. JAYRANGE JAYRANGE LTD
Waste Carrier License. CBFP3317QG

Waste 40153 JAYRANGE - SOIL + STONES
EWC Code. 17.05.04 soil and stones other than those mentioned in 17.0
Source HUDDERSFIELD
DW Code.

First Weight	33340 kg	105841	01/08/15 10:12:17	01
Second Weight	15700 kg	358558	01/08/15 10:31:31	02
Net Weight	17640 kg			

Comments A SCHOFIELD
Order Number. WESTFIELD LANE EMLEY MOOR
Transfer Note 27044

Operators Signature.

Drivers Signature

Print Driver Name

A record of the weights used on this transaction will be kept for six months

Waste In

CatPlant Ltd.
Hazel lane Quarry.
Hampole.
Doncaster 01302 728778

Ticket No. 306415

Permit No. BL4943

Vehicle Reg. KU67JYX

Supplier JAY JAYRANGE

Hauler. JAYRANGE JAYRANGE LTD
Waste Carrier License. CBFP331700

Waste. 48153 JAYRANGE - SOIL + STONES
EWC Code 17.05.04 soil and stones other than those mentioned in 17 5
Source HUDDERSFIELD
DW Code.

First Weight	31820	kg	108824	01/09/18 12:58:06	01
Second Weight	15700	kg	306537	01/09/18 13:18:36	02
Net Weight	16120	kg			

Comments. A SCHOFIELD
Order Number. WESTFIELD LANE EMLEY MOOR
Transfer Note 27044

Operators Signature

Drivers Signature

Print Driver Name.

A record of the weights used on this transaction will be kept for six months

Waste In

CatPlant Ltd.
Hazel lane Quarry.
Hampole.
Doncaster 01302 728778

Ticket No. 306394

Permit No. BL4943

Vehicle Reg. KU67JYX

Supplier JAY JAYRANGE

Hauler. JAYRANGE JAYRANGE LTD
Waste Carrier License CBFP331700

Waste. 48153 JAYRANGE - SOIL + STONES
EWC Code 17.05.04 soil and stones other than those mentioned in 17 5
Source HUDDERSFIELD
DW Code.

First Weight	32060	kg	155612	01/09/18 10:41:46	01
Second Weight	16760	kg	306511	01/09/18 10:54:13	02
Net Weight	15300	kg			

Comments A SCHOFIELD
Order Number WESTFIELD LANE EMLEY MOOR
Transfer Note 27044

Operators Signature

Drivers Signature

Print Driver Name

A record of the weights used on this transaction will be kept for six months

Waste In

Ticket No. 206367

CutPlant Ltd.
Hazel lane Quarry
Hampole
Doncaster 01302 728770

Permit No. BL4040

Vehicle Reg.	K067JYX				
Supplier	JAY	JAYRANGE			
Haulier	JAYRANGE	JAYRANGE LTD			
Waste Carrier License.		CBFP331700			
Waste.	40153	JAYRANGE - SOIL + STONES			
EWC Code	17.05.04	soil and stones other than those mentioned in 17.0			
Source		HUDDERSFIELD			
DW Code.					
First Weight	34080	kg	135585	01/09/15 08:27:39	01
Second Weight	15740	kg	206484	01/09/15 08:41:21	02
Net Weight	18320	kg			

Comments: A SCHOFIELD
Order Number: WESTFIELD LANE EMLEY MOOR
Transfer Note: 27043

Operators Signature

Drivers Signature

Print Driver Name

A record of the weights used on this transaction will be kept for six months

Attachment 7

Chemical Testing Results from Validation Sampling

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

2183

Final Report

Report No.:	15-23147-1
Initial Date of Issue:	08-Oct-2015
Client	A C Environment Solutions Ltd
Client Address:	Unit 5A Enterprise Court Farfield Park Manvers Rotherham South Yorkshire S63 5DB
Contact(s):	Nick Pickard
Project	AC021 Land Adjoining 23 Jagger Lane, Emley Moor

Quotation No.:		**Date Received:**	05-Oct-2015
Order No.:		**Date Instructed:**	02-Oct-2015
No. of Samples:	9	**Target Date:**	08-Oct-2015
Turnaround (Wkdays):	5	**Results Due:**	08-Oct-2015
Date Approved:	08-Oct-2015		
Approved By:			

Details: Robert Monk, Technical Development Chemist

Chemtest
The right chemistry to deliver results

Results - Soil

Project: AC021 Land Adjoining 23 Jagger Lane, Emley Moor

Client: A C Environment Solutions Ltd				Chemtest Job No.:	15-23147	15-23147	15-23147	15-23147	15-23147	15-23147	15-23147	15-23147	15-23147
Quotation No.:				Chemtest Sample ID.:	200987	200988	200989	200990	200991	200992	200993	200994	200995
Order No.:				Client Sample Ref.:	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface	Surface
				Client Sample ID.:	V1	V2	V3	V4	V5	TP1-Veast	TP1-Vwest	TP1-Vnorth	TP1-Vsouth
				Sample Type:	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL	SOIL
				Top Depth (m):									
				Bottom Depth (m):									
				Date Sampled:	01-Oct-2015	01-Oct-2015	01-Oct-2015	01-Oct-2015	01-Oct-2015	01-Oct-2015	01-Oct-2015	01-Oct-2015	01-Oct-2015
Determinand	**Accred.**	**SOP**	**Units**	**LOD**									
Moisture	N	2030	%	0.020	15	11	11	15	15	23	24	25	23
Arsenic	U	2450	mg/kg	1.0	32	44	54	11	12				
Lead	U	2450	mg/kg	0.50	120	170	46	22	30	18	30	33	22
Naphthalene	U	2700	mg/kg	0.10	1.6	3.5	3.3	< 0.10	1.3				
Acenaphthylene	U	2700	mg/kg	0.10	0.19	0.22	0.78	< 0.10	< 0.10				
Acenaphthene	U	2700	mg/kg	0.10	0.26	0.18	0.90	< 0.10	< 0.10				
Fluorene	U	2700	mg/kg	0.10	0.37	0.11	1.8	< 0.10	0.12				
Phenanthrene	U	2700	mg/kg	0.10	2.4	1.1	3.5	< 0.10	0.93				
Anthracene	U	2700	mg/kg	0.10	0.82	0.18	0.99	< 0.10	0.44				
Fluoranthene	U	2700	mg/kg	0.10	4.2	0.42	2.7	0.24	1.7				
Pyrene	U	2700	mg/kg	0.10	4.1	0.45	2.9	0.28	1.6				
Benzo[a]anthracene	U	2700	mg/kg	0.10	1.8	< 0.10	1.6	< 0.10	1.1				
Chrysene	U	2700	mg/kg	0.10	2.5	< 0.10	2.5	< 0.10	0.89				
Benzo[b]fluoranthene	U	2700	mg/kg	0.10	2.1	< 0.10	1.5	< 0.10	0.66				
Benzo[k]fluoranthene	U	2700	mg/kg	0.10	1.2	< 0.10	1.5	< 0.10	0.55				
Benzo[a]pyrene	U	2700	mg/kg	0.10	1.8	< 0.10	1.2	< 0.10	0.58				
Indeno(1,2,3-c,d)Pyrene	U	2700	mg/kg	0.10	1.3	< 0.10	0.68	< 0.10	< 0.10				
Dibenz(a,h)Anthracene	U	2700	mg/kg	0.10	0.54	< 0.10	0.36	< 0.10	< 0.10				
Benzo[g,h,i]perylene	U	2700	mg/kg	0.10	0.98	< 0.10	0.77	< 0.10	< 0.10				
Total Of 16 PAH's	U	2700	mg/kg	2.0	26	6.2	27	< 2.0	10				

Chemtest
The right chemistry to deliver results

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, SVCOs, 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 60 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