Verification Report

Land Adjacent to No.2
Old Brewery Lane
Long Sutton
Lincolnshire
PE12 9GW

Prepared for:

Mr. Mike Shale
R K Wilson Builder Ltd
59 Wisbech Road
Spalding
Lincolnshire
PE12 9AQ

EPS Project Reference:	UK15.2083
Date Issued:	2nd June 2017
Report Status:	Issue 1

OLD BREWERY LANE, LONG SUTTON

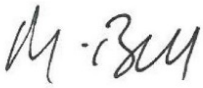
NON TECHNICAL CLIENT SUMMARY

This report presents work carried out to implement the control measures recommended by the Phase I & II Geo-Environmental Assessment Report, issued by EPS in 2015 before building commenced. The control measures were recommended to ensure the site is safe and suitable for its proposed enduse (residential) and all regulatory requirements are met. Pertinent findings and conclusions are summarised as follows:

- The control measures recommended by the previous report included the installation of an engineered cover system in proposed garden areas for each dwelling, as well as provision of aluminium barrier water supply pipework where installed in previously identified contaminated ground.
- A selection of photographs have been taken during the cover system installation process to document the construction is in accordance with specifications made in the original report.
- Documentation for waste disposal of excavated made ground as well as imported certified topsoil has also been collected and details of the barrier pipework installed at the properties have been provided.
- EPS is satisfied that all control measures have been installed to an appropriate standard to ensure the development poses no unacceptable risks to the health of residents at the property throughout its lifetime. It is therefore concluded that the site is now suitable for use with all relevant planning / building control requirements satisfied.

The above points represent a simplified summary of the findings of this assessment and should not form the basis for key decisions for the proposed development. A thorough review of the details contained within the following report, or discussion with EPS is recommended.

Project Reference:	UK15.2083
Title:	Verification Report Old Brewery Lane, Long Sutton
Client:	RK Wilson Builders Ltd
Date:	2nd June 2017
EPS Contact Details:	7B Caxton House Broad Street Cambourne Cambridge CB23 6JN T: 01954 710666 F: 01954 710677 E: info@epstrategies.co.uk W: www.epstrategies.co.uk
Status:	Issue 1

Author:	**Reviewed:**	**Authorised:**
		
Giles Lock	Marcus Bell	Giles Lock
Director	Principal Consultant	Director

This report has been prepared for the client(s) listed on the report title page. EPS accepts no liability or responsibility for use of, or reliance upon, this report and / or the information contained within it by third parties.

If third parties have been contracted / consulted during compilation of this report, the validity of any data they may have supplied, and which are included in the report, have been assessed as far as possible by EPS however, EPS cannot guarantee the validity of these data.

No part of this report, or references to it, may be included in published documents of any kind without approval from EPS.

This report and its contents, together with any supporting correspondence or other documentation, remain the property of Environmental Protection Strategies Ltd until paid for in full.

Where ground investigations have been conducted, these have been limited to the level of detail required for the site in order to achieve the objectives of the investigation.

The report has been written, reviewed and authorised by the persons listed above. It has also undergone EPS' in house quality management inspection. Should you require any further assistance regarding the information provided within the report, please do not hesitate to contact us.

The National Planning Policy Framework requires a competent person to prepare site investigation information, which is defined as a person with a recognised relevant qualification, sufficient experience in dealing with the type(s) of pollution or land instability, and membership of a relevant professional organisation. EPS considers that it fulfils these criteria and would welcome any request for staff CVs or case studies to demonstrate it.

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1 INTRODUCTION

In April 2017, Environmental Protection Strategies Ltd (EPS) was commissioned by RK Wilson Builders Ltd to undertake verification works at Land off Old Brewery Lane, Long Sutton, Lincolnshire, PE12 9GW (the 'site'); see Figure 1.

The works were commissioned in order to verify the satisfactory installation of an engineered cover system in areas of soft landscaping and gardens (including details of a separating geotextile membrane) as well as installation of water barrier pipe.

The site has been developed for residential purposes comprising a pair of semi-detached dwellings and one detached dwelling with associated domestic gardens. Planning for the development was granted by South Holland District Council under reference H11-0994-15. A copy of the proposed development plan is included as Appendix A.

The following sections of this report provide the background and objectives for this work, describe the activities that were undertaken, and present the laboratory analysis for the soils deposited at the site and photographic evidence of their installation.

1.1 Background and Previous Reports

A combined Phase I & II Geo-Environmental Assessment was previously undertaken at the site. The findings and results of this work are provided in the following report, which should be read in conjunction with this report:

- *Phase I & II Geo-Environmental Investigation –Old Brewery Lane, Long Sutton, Lincolnshire* – December 2015 (Ref: UK15.2083).

In brief, the report found a long history of development at the site and EPS' sampling found made ground in the shallow subsurface which contained elevated concentrations of common contaminants, including Lead, Benzo(a)pyrene and some quantifiable concentrations of asbestos. Recommendations were made for the installation of an engineered cover system within proposed residential gardens in accordance with guidance presented in the BRE publication: *Cover Systems for Land Regeneration: Thickness Design of Cover Systems for Contaminated Land* (BRE, Mar 2004).

The cover system proposed included a 200mm layer of free draining single sized granular soils situated between two layers of geotextile at the base of excavations across the landscaped / garden areas of the site. Final elevations were to be made up with 400mm soils certified as chemically and physically clean and suitable for use, to a provide a total overall thickness of 600mm above residual made ground.

Aluminium barrier pipework meeting Water Industry Standard 4-32-19 and associated fittings was also recommended where installed in made ground materials.

Other recommendations included a watching notice for site workers to report any unexpected or unusual ground conditions which may warrant further environmental inspection, as well as deployment of suitable personal protection clothing for groundworkers that may come into contact with made ground during the construction phase.

1.2 Objectives

The objective of these works was to provide confirmatory evidence to demonstrate that control measures have been properly installed at the site as specified in EPS previous report.

The scope of works includes the following:-

a) Collection of visual and photographic records to demonstrate effective physical cover system implementation.
b) Collection and provision of laboratory reports for imported topsoil.
c) Collection and provision of water supply pipework information.

1.3 Limitations and Constraints

The purpose of this report is to present the findings of a soil validation exercise conducted at the location(s) specified. When examining the data collected from the investigations made during the assessment, Environmental Protection Strategies Ltd (EPS) makes the following statements:

No investigation method is capable of completely identifying all ground conditions that might be present in the soil or groundwater under a site. Where outlined in our report, we have examined the ground beneath a site by constructing a number of boreholes and / or trial pits to recover soil and / or groundwater samples. The locations of these excavations and sampling points are considered to be representative of the condition of the whole site subsurface however, ground conditions are naturally variable and it may be possible that the ground conditions encountered may differ to those encountered during the investigation.

Where third party information has been consulted during compilation of this report, the validity of any information that has been supplied, and which are referenced in the report have been assessed as far as possible by EPS, however EPS cannot guarantee the validity of these data.

2 SUMMARY OF FIELD INVESTIGATIONS

2.1 Evidence of Previously Unidentified Contamination

Developers reported that no unusual or unexpected ground conditions were encountered during the construction phase of this redevelopment.

2.2 Verification Of Cover System Installation

In order to confirm the presence of imported granular aggregate and overlying geotextile membrane as well as topsoil quality and thickness, photographic evidence of the installation was collected. A description of the installation process and materials used together with supporting photographs is provided in the following subsections.

2.1.1 Membrane Installation and Free Draining Soils

Prior to the installation, a total of 113.5 tonnes of made ground was removed to bring the oversite to the desired elevation and waste transfer notes are included in Appendix B. Photographic evidence of the excavation and installation of the base of the cover system is presented below for each plot:

Photograph 1 – Final excavation depth prior to installation of engineered cover system in Plot 1 (No. 2C Old Brewery Lane).	Photograph 2: Final excavation depth with base geotextile in place prior to installation of engineered cover system in Plot 2 (No. 2B).
	
Photograph 3 - Final excavation depth in Plot 3 (No. 2A) showing geotextile and sand.	Photograph 4: Total depth measurement at Plot 1.
	

Photograph 5: Total depth measurement at Plot 3.



Photograph 6: installation of the free draining sand over the lower geotextile – Plot 1.



Photograph 7: Installation of the free draining sand in Plot 2 showing 2nd geotextile.



Photograph 8: Installation of free draining sand in Plot 3.



Photograph 9: measurement from top of sand layer in Plot 3.



2.1.2 *Imported Topsoil*

A total of 90 tonnes of certified topsoil was delivered to site and used to reinstate the gardens to the final elevations. Delivery tickets are included in Appendix B.

Visually, the material was of high quality, and no palpable evidence of impacts to the topsoil such as odours or soil staining was observed at any time during the verification works, with common indicators of 'typical made ground' materials also absent. Imported topsoil material was installed to a minimum thickness of 400mm above the top geotextile.

A selection of photographs showing the final topsoil installations for each plot are included in the table below:

Photograph 10: showing plot 2 with final elevation of topsoil in Plot 1 in background.	Photograph 11: showing installation of topsoil over sand and geotextiles (Plot 2).
	
Photograph 12: final elevation of completed cover system (Plot 3).	
	

All paperwork provided by the client including the topsoil delivery notes and waste disposal paperwork is presented in Appendix B.

2.3 Laboratory Analysis

Evidence of the soil quality, in the form of certification from the chosen supplier are included with this report in Appendix C.

2.4 Water Supply Pipework

In accordance with the recommendations made by EPS in the Phase I & II Geo-Environmental Assessment report, aluminium barrier pipework was installed at the site. Details of the material installed is included in Appendix D.

3 VERIFICATION STATEMENT

On the basis of the information obtained, as provided by the client and described in this report, it is concluded by EPS, that the engineered cover system and other associated control measures installed across the site to control risks to future site residents comply with the specification and requirements recommended in the Phase I & II Geo-Environmental Assessment Report, issued by EPS in December 2017.

It is therefore concluded that following the successful implementation of the control measures, the potential risks posed to end users from potential contamination have been reduced to acceptable levels and the site is now considered suitable for use within a residential setting.

It is recommended that a copy of this report be provided to South Holland District Council and the NHBC (i.e. Building Control/Approved Inspector) so that the information may be incorporated into planning correspondence and their land quality records, as well as pursuance of the final discharge of associated planning conditions which should now be satisfied for the site.

FIGURES



Approximate Site Location

Crown Copyright. All rights reserved.
Licence Number: 100054115

Title:	Site Location Plan
Project:	Land Adj to No.2 Old Brewery Lane, Long Sutton, PE12 9GW
Client:	R K Wilson Builders Ltd
Fig No:	1
Scale:	As Shown
Drawn By:	SS
Approved By:	GL
Job No:	UK15.2083
Dwg No:	RK/OldBrewery/1215/01
Date:	December 2015

APPENDICES

APPENDIX A

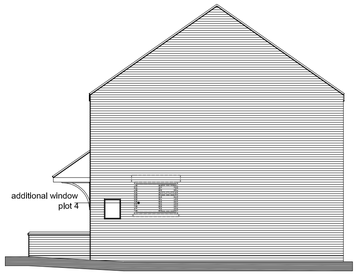
Proposed Development Plan

Do not scale directly from this drawing. All discrepancies are to be brought to the attention of the Practice.

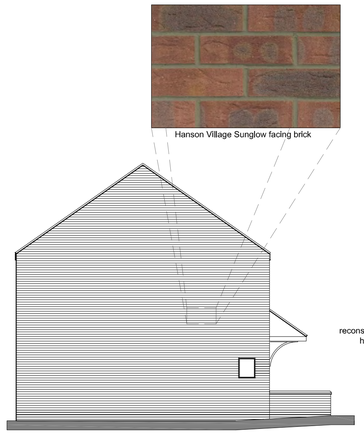
The copyright to this drawing is owned by Trevor A Clay RIBA Ltd.



PROPOSED FRONT ELEVATION



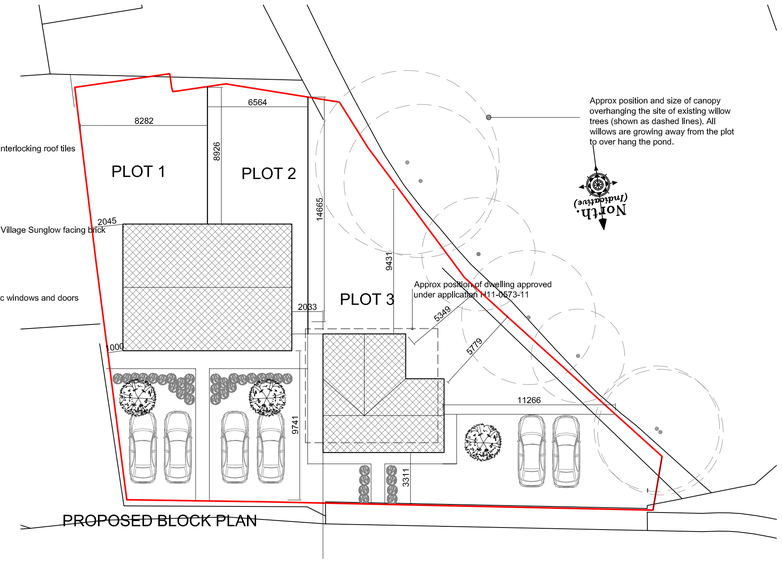
PROPOSED SIDE ELEVATION (west)



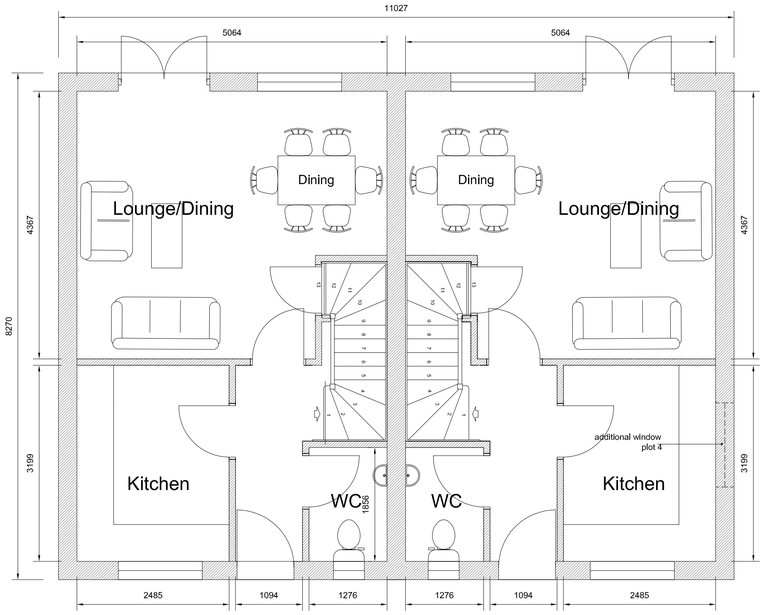
PROPOSED SIDE ELEVATION (east)



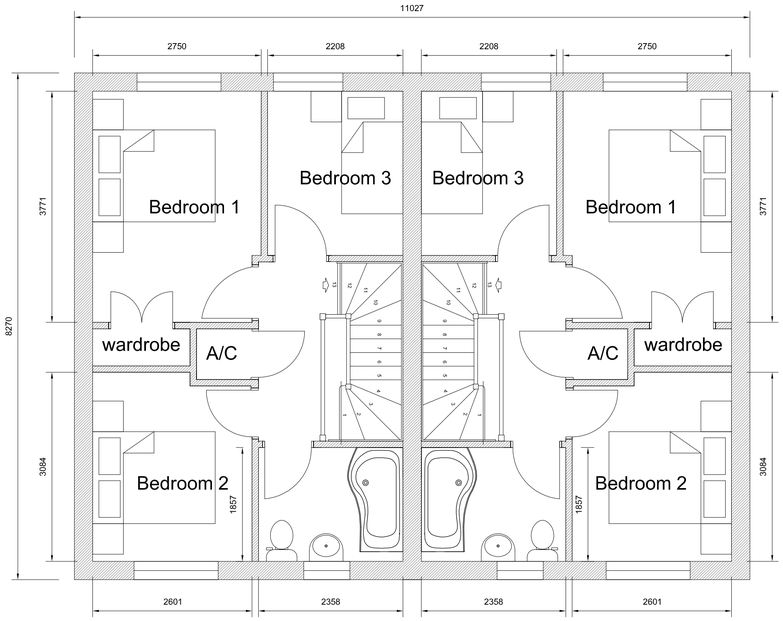
PROPOSED REAR ELEVATION



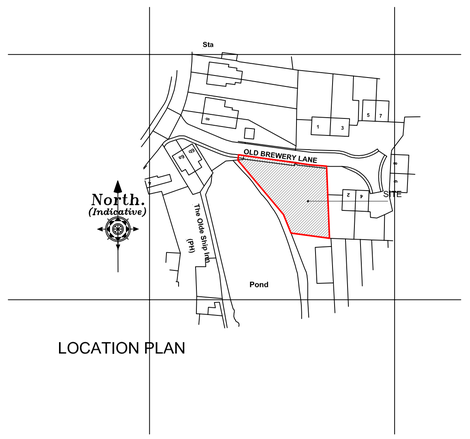
PROPOSED BLOCK PLAN



PROPOSED GROUND FLOOR PLAN PLOT 1 & 2



PROPOSED FIRST FLOOR PLAN PLOT 1 & 2



LOCATION PLAN

Revision	Date	Drawn	Description

Client R K Wilson

Project Proposed Residential Development (Old Brewery Lane, Long Sutton)

Drawing Planning Drawing

Scale 1:50, 1:100,1: 200, 1:1250 @ A1 Drawn AWM Checked TAC Date 15/10/2015

Drawing No. 15/409/PA/006

Trevor A Clay RIBA Ltd, 14 Old Fendike Road, Weston Hills, Spalding, Lincs. PE126DD
01406 380027 07778 597975 trevor@tacarchitects.co.uk www.tacarchitects.co.uk

APPENDIX B

Topsoil Delivery and Waste Disposal Paperwork

CONVEYANCE & WASTE TRANSFER NOTE

Subject to Weights & Measures Act 1985 - Environmental Protection Act 1990

TICKET No. 1395106

MIDDLETON AGGREGATES LTD

Suppliers of Aggregates, Fill Materials and Plant Hire to the Construction Industry

REMARKS

TIME ON SITE	TIME OFF SITE
AM / PM	AM / PM

Please note that any time over 15 minutes on site will be charged for at current waiting time rates. See our T&C overleaf.

RECYCLED MATERIALS ARE PRODUCED TO THE WRAP QUALITY PROTOCOL

OUTLET - (EW) / EWBins / EB / PEN / KET / CAV

Other(Specify):

ALL WEIGHTS ARE IN KILOGRAMS

Consec. No. I.D. 1st WEIGHT

DATE TIME

RE-ENTERED 1st WEIGHT (*) 16300 kg

Consec. No. I.D. 2nd WEIGHT 32780 kg

DATE TIME 10/05/2017 08:02:51

WEIGHBRIDGE OPERATOR

NET WEIGHT 16480 kg

CUSTOMER: M. Bracan plant Hire

ORDER No.

MATERIAL (If a waste material – see waste transfer section below): Subsoil. 170504.

SITE ADDRESS: Broad gate Gorney

HAULIER: M. Bracan

VEHICLE REG No.: GK10 BTM.

DRIVERS NAME: Alex

DRIVERS SIGNATURE

WHITE	=	CUSTOMER COPY	PRINT CUSTOMER'S NAME
PINK	=	HAULIER TO RETURN	
BLUE	=	HAULIER TO KEEP	
GREEN	=	OFFICE	
YELLOW	=	OFFICE	

CUSTOMERS SIGNATURE

Waste Transfer Section

SIC (2007) Codes: [circle as appropriate]

- 41.1 Development of building projects
- (41.2) Construction of residential& non-residential buildings
- 42.1 Construction of roads & railways
- 42.2 Construction of utility projects
- 42.9 Construction of other civil eng projects
- 43.1 Demolition & site preparation
- 43.2 Electrical, plumbing & other construction installation activities
- 43.3 Building completion & finishing
- 43.9 Specialised construction activities

European Waste Codes: [circle as appropriate]

- 170101 Concrete
- 170102 Bricks
- 170107 Concrete, bricks, tiles & ceramics
- 170302 Asphalt mixtures
- (170504) Soil & Stones

RETURN LOAD? YES / NO

WASTE CARRIER REG No.: MiddAggs No. - CBDU114242

Other Haulier -

Mill Drove, Blackborough End,
Kings Lynn, Norfolk PE32 1SW
Tel: (01553) 841044 Fax: (01553) 841837
www.middaggs.co.uk sales@middaggs.co.uk

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.

GOODS REMAIN THE PROPERTY OF THE VENDOR UNTIL PAID FOR IN FULL. TERMS & CONDITIONS OVERLEAF

CONVEYANCE & WASTE TRANSFER NOTE

Subject to Weights & Measures Act 1985 - Environmental Protection Act 1990

TICKET No. 1395112

MIDDLETON AGGREGATES LTD

Suppliers of Aggregates, Fill Materials and Plant Hire to the Construction Industry

REMARKS

TIME ON SITE	TIME OFF SITE
AM / PM	AM / PM

Please note that any time over 15 minutes on site will be charged for at current waiting time rates. See our T&C overleaf.

RECYCLED MATERIALS ARE PRODUCED TO THE WRAP QUALITY PROTOCOL

OUTLET - (EW) / EWBins / EB / PEN / KET / CAV

Other(Specify):

ALL WEIGHTS ARE IN KILOGRAMS

Consec. No. I.D. 1st WEIGHT

DATE TIME

RE-ENTERED 1st WEIGHT (1) 16300 kg

Consec. No. I.D. 2nd WEIGHT 27200 kg

DATE TIME 10/05/2017 09:42:08

WEIGHBRIDGE OPERATOR Paul

NET WEIGHT 11500 kg

CUSTOMER M. Bacon plant Hire

MATERIAL (if a waste material – see waste transfer section below) SUBSOIL 7CSCL.

SITE ADDRESS Long sutton

ORDER No.

HAULIER M. Bacon

DRIVERS NAME Alan.

VEHICLE REG No. GM10 VTM.

DRIVERS SIGNATURE

WHITE	=	CUSTOMER COPY
PINK	=	HAULIER TO RETURN
BLUE	=	HAULIER TO KEEP
GREEN	=	OFFICE
YELLOW	=	OFFICE

PRINT CUSTOMER'S NAME

CUSTOMERS SIGNATURE

Waste Transfer Section

SIC (2007) Codes: [circle as appropriate]

- (41.1) Development of building projects
- 41.2 Construction of residential& non-residential buildings
- 42.1 Construction of roads & railways
- 42.2 Construction of utility projects
- 42.9 Construction of other civil eng projects
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- 43.9 Specialised construction activities

European Waste Codes: [circle as appropriate]

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- 170102 Bricks
- 170107 Concrete, bricks, tiles & ceramics
- 170302 Asphalt mixtures
- (170504) Soil & Stones

RETURN LOAD? YES / NO

WASTE CARRIER REG No. MiddAggs No. - CBDU114242

Other Haulier -

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ONVEYANCE & WASTE TRANSFER NOTE

Subject to Weights & Measures Act 1985 - Environmental Protection Act 1990

TICKET No. 1395178

MIDDLETON AGGREGATES LTD

Suppliers of Aggregates, Fill Materials and Plant Hire to the Construction Industry

REMARKS

TIME ON SITE	TIME OFF SITE
AM / PM	AM / PM

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RECYCLED MATERIALS ARE PRODUCED TO THE WRAP QUALITY PROTOCOL

OUTLET - (EW) / EWBins / EB / PEN / KET / CAV

Other(Specify):

ALL WEIGHTS ARE IN KILOGRAMS

Consec. No. I.D. 1st WEIGHT

DATE TIME

RE-ENTERED 1st WEIGHT (*) 16300 kg

Consec. No. I.D. 2nd WEIGHT 30980 kg

DATE TIME 11/05/2017 14:58:48

WEIGHBRIDGE OPERATOR

NET WEIGHT 14680 kg

CUSTOMER

M. Bacon plant Hire

ORDER No.

MATERIAL (if a waste material – see waste transfer section below)

Subsoil 170504.

SITE ADDRESS

Long Sutton

HAULIER

M. Bacon

DRIVERS NAME

Alex

VEHICLE REG No.

GM10 BTM

DRIVERS SIGNATURE

WHITE	=	CUSTOMER COPY
PINK	=	HAULIER TO RETURN
BLUE	=	HAULIER TO KEEP
GREEN	=	OFFICE
YELLOW	=	OFFICE

PRINT CUSTOMER'S NAME

CUSTOMERS SIGNATURE

Waste Transfer Section

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- 43.9 Specialised construction activities

European Waste Codes: [circle as appropriate]

- 170101 Concrete
- 170102 Bricks
- 170107 Concrete, bricks, tiles & ceramics
- 170302 Asphalt mixtures
- (170504) Soil & Stones

RETURN LOAD? YES / NO

WASTE CARRIER REG No. MiddAggs No. - CBDU114242

Other Haulier -

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Kings Lynn, Norfolk PE32 1SW
Tel: (01553) 841044 Fax: (01553) 841837
www.middaggs.co.uk sales@middaggs.co.uk

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.

GOODS REMAIN THE PROPERTY OF THE VENDOR UNTIL PAID FOR IN FULL. TERMS & CONDITIONS OVERLEAF

CONVEYANCE & WASTE TRANSFER NOTE

Subject to Weights & Measures Act 1985 - Environmental Protection Act 1990

TICKET No. 1395174

MIDDLETON AGGREGATES LTD

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REMARKS

TIME ON SITE	TIME OFF SITE
AM / PM	AM / PM

Please note that any time over 15 minutes on site will be charged for at current waiting time rates. See our T&C overleaf.

RECYCLED MATERIALS ARE PRODUCED TO THE WRAP QUALITY PROTOCOL

OUTLET - (EW) / EWBins / EB / PEN / KET / CAV

Other(Specify):

ALL WEIGHTS ARE IN KILOGRAMS

Consec. No. I.D. 1st WEIGHT

DATE TIME

RE-ENTERED 1st WEIGHT (*) 16300 kg

Consec. No. I.D. 2nd WEIGHT 29380 kg

DATE TIME 11/05/2017 12:43:43

WEIGHBRIDGE OPERATOR Paul

NET WEIGHT 13080 kg

CUSTOMER M. Bacon plant Hire

ORDER No.

MATERIAL (if a waste material – see waste transfer section below) Subsoil 170504.

SITE ADDRESS Long Sutton

HAULIER M. Bacon

DRIVERS NAME Alex

VEHICLE REG No. GW10 BTM

DRIVERS SIGNATURE

WHITE	=	CUSTOMER COPY	PRINT CUSTOMER'S NAME
PINK	=	HAULIER TO RETURN	
BLUE	=	HAULIER TO KEEP	
GREEN	=	OFFICE	
YELLOW	=	OFFICE	

CUSTOMERS SIGNATURE

Waste Transfer Section

SIC (2007) Codes: [circle as appropriate]

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170101 Concrete
170102 Bricks
170107 Concrete, bricks, tiles & ceramics
170302 Asphalt mixtures
(170504) Soil & Stones

RETURN LOAD? YES / NO

WASTE CARRIER REG No. MiddAggs No. - CBDU114242

Other Haulier -

Mill Drove, Blackborough End,
Kings Lynn, Norfolk PE32 1SW
Tel: (01553) 841044 Fax: (01553) 841837
www.middaggs.co.uk sales@middaggs.co.uk

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ONVEYANCE & WASTE TRANSFER NOTE

Subject to Weights & Measures Act 1985 - Environmental Protection Act 1990

TICKET No. 1395220

MIDDLETON AGGREGATES LTD

Suppliers of Aggregates, Fill Materials and Plant Hire to the Construction Industry

REMARKS

TIME ON SITE AM / PM

TIME OFF SITE AM / PM

Please note that any time over 15 minutes on site will be charged for at current waiting time rates. See our T&C overleaf.

RECYCLED MATERIALS ARE PRODUCED TO THE WRAP QUALITY PROTOCOL

OUTLET - (EW) / EWBins / EB / PEN / KET / CAV

Other(Specify):

ALL WEIGHTS ARE IN KILOGRAMS

Consec. No. I.D. 1st WEIGHT

DATE TIME

RE-ENTERED 1st WEIGHT (*) 16300 kg

Consec. No. I.D. 2nd WEIGHT 31140 kg

DATE 12/05/2017 TIME 09:58:00

WEIGHBRIDGE OPERATOR Paul

NET WEIGHT 14840 kg

CUSTOMER

M. Bacon plant Hire

ORDER No.

MATERIAL (if a waste material – see waste transfer section below)

Subsoil 170504.

SITE ADDRESS

Holbeach

HAULIER

M. Bacon

DRIVERS NAME

Alex

VEHICLE REG No.

GU10 BTM

DRIVERS SIGNATURE

WHITE = CUSTOMER COPY PINK = HAULIER TO RETURN BLUE = HAULIER TO KEEP GREEN = OFFICE YELLOW = OFFICE		PRINT CUSTOMER'S NAME	CUSTOMERS SIGNATURE

Waste Transfer Section

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- 170107 Concrete, bricks, tiles & ceramics
- 170302 Asphalt mixtures
- (170504) Soil & Stones

RETURN LOAD? YES / NO

WASTE CARRIER REG No. MiddAggs No. - CBDU114242

Other Haulier -

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Kings Lynn, Norfolk PE32 1SW
Tel: (01553) 841044 Fax: (01553) 841837
www.middaggs.co.uk sales@middaggs.co.uk

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.

GOODS REMAIN THE PROPERTY OF THE VENDOR UNTIL PAID FOR IN FULL. TERMS & CONDITIONS OVERLEAF

CONVEYANCE & WASTE TRANSFER NOTE

Subject to Weights & Measures Act 1985 - Environmental Protection Act 1990

TICKET No. 1395198

MIDDLETON AGGREGATES LTD

Suppliers of Aggregates, Fill Materials and Plant Hire to the Construction Industry

REMARKS

TIME ON SITE	TIME OFF SITE
AM / PM	AM / PM

Please note that any time over 15 minutes on site will be charged for at current waiting time rates. See our T&C overleaf.

RECYCLED MATERIALS ARE PRODUCED TO THE WRAP QUALITY PROTOCOL

OUTLET - EW / EWBins / EB / PEN / KET / CAV

Other(Specify):

ALL WEIGHTS ARE IN KILOGRAMS

Consec. No. I.D. 1st WEIGHT

DATE TIME

RE-ENTERED 1st WEIGHT (#) 16300 kg

Consec. No. I.D. 2nd WEIGHT 30620 kg

DATE TIME 12/05/2017 07:51:32

WEIGHBRIDGE OPERATOR Paul

NET WEIGHT 14320 kg

CUSTOMER M. Bracey plant Hire

ORDER No.

MATERIAL (if a waste material – see waste transfer section below) SUBSOIL 170504

SITE ADDRESS Halbeach

HAULIER M. Bracey

VEHICLE REG No. GN10 BTM

DRIVERS NAME Alex

DRIVERS SIGNATURE

WHITE	=	CUSTOMER COPY	PRINT CUSTOMER'S NAME
PINK	=	HAULIER TO RETURN	CUSTOMERS SIGNATURE
BLUE	=	HAULIER TO KEEP	
GREEN	=	OFFICE	
YELLOW	=	OFFICE	

Waste Transfer Section

SIC (2007) Codes: [circle as appropriate]

- 41.1 Development of building projects
- 41.2 Construction of residential& non-residential buildings
- 42.1 Construction of roads & railways
- 42.2 Construction of utility projects
- 42.9 Construction of other civil eng projects
- 43.1 Demolition & site preparation
- 43.2 Electrical, plumbing & other construction installation activities
- 43.3 Building completion & finishing
- 43.9 Specialised construction activities

European Waste Codes: [circle as appropriate]

- 170101 Concrete
- 170102 Bricks
- 170107 Concrete, bricks, tiles & ceramics
- 170302 Asphalt mixtures
- 170504 Soil & Stones

RETURN LOAD? YES / NO

WASTE CARRIER REG No. MiddAggs No. - CBDU114242

Other Haulier -

Mill Drove, Blackborough End,
Kings Lynn, Norfolk PE32 1SW
Tel: (01553) 841044 Fax: (01553) 841837
www.middaggs.co.uk sales@middaggs.co.uk

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.

GOODS REMAIN THE PROPERTY OF THE VENDOR UNTIL PAID FOR IN FULL. TERMS & CONDITIONS OVERLEAF

CONVEYANCE & WASTE TRANSFER NOTE

Subject to Weights & Measures Act 1985 - Environmental Protection Act 1990

TICKET No. 1395155

MIDDLETON AGGREGATES LTD

Suppliers of Aggregates, Fill Materials and Plant Hire to the Construction Industry

REMARKS

TIME ON SITE	TIME OFF SITE
AM / PM	AM / PM

Please note that any time over 15 minutes on site will be charged for at current waiting time rates. See our T&C overleaf.

RECYCLED MATERIALS ARE PRODUCED TO THE WRAP QUALITY PROTOCOL

OUTLET - (EW) / EWBins / EB / PEN / KET / CAV

Other(Specify):

ALL WEIGHTS ARE IN KILOGRAMS

Consec. No. I.D. 1st WEIGHT

DATE TIME

RE-ENTERED 1st WEIGHT (R) 16300 kg

Consec. No. I.D. 2nd WEIGHT 30000 kg

DATE TIME 11/05/2017 07:27:17

WEIGHBRIDGE OPERATOR Paul

NET WEIGHT 13700 kg

CUSTOMER: M. Bacon plant Hire

ORDER No.

MATERIAL (if a waste material – see waste transfer section below): Subsoil 170504.

SITE ADDRESS: Long Sutton

HAULIER: M. Bacon

DRIVERS NAME: Alex

VEHICLE REG No.: GU10 BTM

DRIVERS SIGNATURE

WHITE	=	CUSTOMER COPY
PINK	=	HAULIER TO RETURN
BLUE	=	HAULIER TO KEEP
GREEN	=	OFFICE
YELLOW	=	OFFICE

PRINT CUSTOMER'S NAME

CUSTOMERS SIGNATURE: A. Cox

Waste Transfer Section

SIC (2007) Codes: [circle as appropriate]

- 41.1 Development of building projects
- (41.2) Construction of residential& non-residential buildings
- 42.1 Construction of roads & railways
- 42.2 Construction of utility projects
- 42.9 Construction of other civil eng projects
- 43.1 Demolition & site preparation
- 43.2 Electrical, plumbing & other construction installation activities
- 43.3 Building completion & finishing
- 43.9 Specialised construction activities

European Waste Codes: [circle as appropriate]

- 170101 Concrete
- 170102 Bricks
- 170107 Concrete, bricks, tiles & ceramics
- 170302 Asphalt mixtures
- (170504) Soil & Stones

RETURN LOAD? YES / NO

WASTE CARRIER REG No.: MiddAggs No. - CBDU114242

Other Haulier -

Mill Drove, Blackborough End,
Kings Lynn, Norfolk PE32 1SW
Tel: (01553) 841044 Fax: (01553) 841837
www.middaggs.co.uk sales@middaggs.co.uk

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.

GOODS REMAIN THE PROPERTY OF THE VENDOR UNTIL PAID FOR IN FULL. TERMS & CONDITIONS OVERLEAF

CONVEYANCE & WASTE TRANSFER NOTE

Subject to Weights & Measures Act 1985 - Environmental Protection Act 1990

TICKET No. 1395391

MIDDLETON AGGREGATES LTD

Suppliers of Aggregates, Fill Materials and Plant Hire to the Construction Industry

REMARKS

TIME ON SITE	TIME OFF SITE
AM / PM	AM / PM

Please note that any time over 15 minutes on site will be charged for at current waiting time rates. See our T&C overleaf.

RECYCLED MATERIALS ARE PRODUCED TO THE WRAP QUALITY PROTOCOL

OUTLET - (EW) / EWBins / EB / PEN / KET / CAV

Other(Specify):

ALL WEIGHTS ARE IN KILOGRAMS

Consec. No. I.D. 1st WEIGHT

DATE TIME

RE-ENTERED 1st WEIGHT (#) 16300 kg

Consec. No. I.D. 2nd WEIGHT 31500 kg

DATE TIME 16/05/2017 14:26:51

WEIGHBRIDGE OPERATOR Paul NET WEIGHT 15200 kg

CUSTOMER M. Breach plant Hire

ORDER No.

MATERIAL (if a waste material – see waste transfer section below) Subsoil 170504.

SITE ADDRESS Hol Beck

HAULIER M Breach

VEHICLE REG No. GK10 VTH

DRIVERS NAME Darran

DRIVERS SIGNATURE

WHITE	=	CUSTOMER COPY
PINK	=	HAULIER TO RETURN
BLUE	=	HAULIER TO KEEP
GREEN	=	OFFICE
YELLOW	=	OFFICE

PRINT CUSTOMER'S NAME

CUSTOMERS SIGNATURE

Waste Transfer Section

SIC (2007) Codes: [circle as appropriate]

- 41.1 Development of building projects
- (41.2) Construction of residential& non-residential buildings
- 42.1 Construction of roads & railways
- 42.2 Construction of utility projects
- 42.9 Construction of other civil eng projects
- 43.1 Demolition & site preparation
- 43.2 Electrical, plumbing & other construction installation activities
- 43.3 Building completion & finishing
- 43.9 Specialised construction activities

European Waste Codes: [circle as appropriate]

- 170101 Concrete
- 170102 Bricks
- 170107 Concrete, bricks, tiles & ceramics
- 170302 Asphalt mixtures
- (170504) Soil & Stones

RETURN LOAD? YES / NO

WASTE CARRIER REG No. MiddAggs No. - CBDU114242

Other Haulier -

Mill Drove, Blackborough End,
Kings Lynn, Norfolk PE32 1SW
Tel: (01553) 841044 Fax: (01553) 841837
www.middaggs.co.uk sales@middaggs.co.uk

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.

GOODS REMAIN THE PROPERTY OF THE VENDOR UNTIL PAID FOR IN FULL. TERMS & CONDITIONS OVERLEAF

OFFICE USE ONLY
Collection Point Code:
.....
Materials Code:
.....

DELIVERY NOTE/WASTE TRANSFER NOTE

755848 / G

P. J. THORY LTD

VAT Reg. No. 294 1011 81

Waste Carrier Licence No. CB/DU87284

White Walls
Eldernell Lane
Coates
Peterborough PE7 2DD
Tel: P'boro (01733) 840328
Fax: (01733) 840860

Haulier: P S Thory

Vehicle Registration: FG 63 40 S

Driver Signature: [signature]

Print Name: Mark

Place of Loading:

Name: ASK

Address: Baker Lock

Date and Time of Loading:

Date: 11/5/17

Time:

Customer	Delivery Address		Tonnes	Kilos	Material
Mr Wilson	Sandpit Farm Long Sutton	Gross			Screened Top Soil
		Tare			
		Net			
		Cubic Metres			

d By: [signature]

nt Name: M Staples

NB to Customers Authorised Agents, representatives or responsible persons signing this Delivery Note. This is in your interest – Please read this ticket fully and inspect material, agreeing quantity, quality and that everything is to your satisfaction before finally signing this receipt note. We regret we cannot under any circumstances entertain any claims concerning quantity or quality once the vehicle has left the site and a clear signature has been given.

BY.....ORDER No.....

OFFICE USE O. /
Collection Point Code:
.....
Materials Code:
.....

DELIVERY NOTE/WASTE TRANSFER N E 737171 / G

P. J. THORY LTD

VAT Reg. No. 294 1011 81

Waste Carrier Licence No. CB/DU87284

White Walls
Eldernell Lane
Coates
Peterborough PE7 2DD
Tel: P'boro (01733) 840328
Fax: (01733) 840860

Haulier: P J THORY

Vehicle Registration: ~~SJ10ZJU~~

Driver Signature: ~~R~~

Print Name: ROGER

Place of Loading:
Name: ~~P J THORY~~
Address: ~~COATES~~ ASR RECYCLING SAXON

Date and Time of Loading:
Date: 8 - 5 - 17
Time:

Customer	Delivery Address		Tonnes	Kilos	Material
R.K. WILSON	GREEN LANE DELIVED SPALDING TO ABOVE REROUTED TO LONG SUTTON	Gross			SCREENED TOP SOIL
		Tare	1 ~~[illegible]~~		
		Net			1 LOAD X 8 WHEEL
		Cubic Metres	-		

Received By: M. Shaw

Please Print Name: M. SHAW

NB to Customers Authorised Agents, representatives or responsible persons signing this Delivery Note. This is in your interest – Please read this ticket fully and inspect material, agreeing quantity, quality and that everything is to your satisfaction before finally signing this receipt note. We regret we cannot under any circumstances entertain any claims concerning quantity or quality once the vehicle has left the site and a clear signature has been given

WEIGHED BY..... ORDER No.....

OFFICE USE OI
Collection Point Code:
.....
Materials Code:
.....

DELIVERY NOTE/WASTE TRANSFER N E

723422/G

P. J. THORY LTD

VAT Reg. No. 294 1011 81

Waste Carrier Licence No. CB/DU87284

White Walls
Eldernell Lane
Coates
Peterborough PE7 2DD
Tel: P'boro (01733) 840328
Fax: (01733) 840860

Haulier: P J Thory
Vehicle Registration: FJ65UZA
Driver Signature: .....
Print Name: Olly A

Place of Loading:
Name: Willow hall
Address: .....
.....
.....

Date and Time of Loading:
Date: 6/5/17
Time: .....

Customer	Delivery Address
RK Wilson	Wisbech Road Long Sutton

	Tonnes	Kilos	Material
Gross	[illegible]	[illegible]	Assisted
Tare	12	400	
Net	19	600	
Cubic Metres			

Received By .....
Please Print Name: .....

NB to Customers Authorised Agents, representatives or responsible persons signing this Delivery Note. This is in your interest – Please read this ticket fully and inspect material, agreeing quantity, quality and that everything is to your satisfaction before finally signing this receipt note. We regret we cannot under any circumstances entertain any claims concerning quantity or quality once the vehicle has left the site and a clear signature has been given.

WEIGHED BY.....ORDER No.....

OFFICE USE ONL
Collection Point Code:
.....
Materials Code:
.....

DELIVERY NOTE/WASTE TRANSFER NO 730760 /G

P. J. THORY LTD

VAT Reg. No. 294 1011 81

Waste Carrier Licence No. CB/DU87284

White Walls
Eldernell Lane
Coates
Peterborough PE7 2DD
Tel: P'boro (01733) 840328
Fax: (01733) 840860

Haulier: P.J Thory
Vehicle Registration: RX64 XWJ
Driver Signature: .....
Print Name: Tom

Place of Loading:
Name: Wilkes Hall
Address: .....
.....

Date and Time of Loading:
Date: 27/4/17
Time: .....

Customer	Delivery Address		Tonnes	Kilos	Material
K-K Wilson	Sand Pit Farm Wisbech Rd Long Sutton	Gross	31.	840	AS RAISED
		Tare	12.	400	
		Net	19.	440	
		Cubic Metres			

Received By: D Wilson
Please Print Name: D WILSON

NB to Customers Authorised Agents, representatives or responsible persons signing this Delivery Note. This is in your interest – Please read this ticket fully and inspect material, agreeing quantity, quality and dust everything is to your satisfaction before finally signing this receipt note. We regret we cannot under any circumstances entertain any claims concerning quantity or quality once the vehicle has left the site and a clear signature has been given.

WEIGHED BY..... ORDER No.....

OFFICE USE ONL
Collection Point Code:
.....
Materials Code:
.....

DELIVERY NOTE/WASTE TRANSFER NC 730764 /G

P. J. THORY LTD

VAT Reg. No. 294 1011 81

Waste Carrier Licence No. CB/DU87284

White Walls
Eldernell Lane
Coates
Peterborough PE7 2DD
Tel: P'boro (01733) 840328
Fax: (01733) 840860

Haulier: P J Thory
Vehicle Registration: RX64 XWJ
Driver Signature:
Print Name: Tom

Place of Loading:
Name: ASR-SAXON
Address:

Date and Time of Loading:
Date: 26-4-17
Time:

Customer: R-K Wilson

Delivery Address: Sandpit farm, Wisbech Rd, Long Sutton

	Tonnes	Kilos	Material
Gross	1 X 8 Wheeler Load		Screened T/soil
Tare			
Net			
Cubic Metres			

NB to Customers Authorised Agents, representatives or responsible persons signing this Delivery Note. This is in your interest – Please read this ticket fully and inspect material, agreeing quantity, quality and that everything is to your satisfaction before finally signing this receipt note. We regret we cannot under any circumstances entertain any claims concerning quantity or quality once the vehicle has left the site and a clear signature has been given.

Received By:
Please Print Name: M SMALL

WEIGHED BY..... ORDER No.....

OFFICE USE ONL
Collection Point Code:
.....
Materials Code:
.....

DELIVERY NOTE/WASTE TRANSFER NO 730762 /G

P. J. THORY LTD

VAT Reg. No. 294 1011 81

Waste Carrier Licence No. CB/DU87284

White Walls
Eldernell Lane
Coates
Peterborough PE7 2DD
Tel: P'boro (01733) 840328
Fax: (01733) 840860

Haulier: P J Thory

Vehicle Registration: RX64 XUS

Driver Signature: .....

Print Name: Jon

Place of Loading

Name: Willow Hall

Address: .....

.....

.....

Date and Time of Loading

Date: 26/4/17

Time: .....

Customer	Delivery Address
R-K Wilson	Wisbech Rd Long Sutton Sandpit farm

	Tonnes	Kilos	Material
Gross	31.680		AS RAISED
Tare	12.400		
Net	19.280		
Cubic Metres			

Received By: MC

Please Print Name: M Smith

NB to Customers Authorised Agents, representatives or responsible persons signing this Delivery Note. This is in your interest – Please read this ticket fully and inspect material, agreeing quantity, quality and that everything is to your satisfaction before finally signing this receipt note. We regret we cannot under any circumstances entertain any claims concerning quantity or quality once the vehicle has left the site and a clear signature has been given.

WEIGHED BY ..... ORDER No .....

OFFICE USE ONLY
Collection Point Code:
.....
Materials Code:
.....

DELIVERY NOTE/WASTE TRANSFER NOTE 724074 / G

P. J. THORY LTD

VAT Reg. No. 294 1011 81

Waste Carrier Licence No. CB/DU87284

White Walls
Eldernell Lane
Coates
Peterborough PE7 2DD
Tel: P'boro (01733) 840328
Fax: (01733) 840860

Haulier: Thory
Vehicle Registration: FGG3 UOP
Driver Signature: [signature]
Print Name: .....

Place of Loading:
Name: ASR SEXON
Address: .....
.....
.....

Date and Time of Loading:
Date: 16/8/16
Time: .....

Customer	Delivery Address		Tonnes	Kilos	Material
R K WILSON	1a OLD BREWERY LANE LONG SUTTON	Gross	8		TOP SOIL
		Tare	WR		
		Net			
		Cubic Metres			

Received By: [signature]
Please Print Name: C. PEARSON

NB to Customers Authorised Agents, representatives or responsible persons signing this Delivery Note. This is in your interest – Please read this ticket fully and inspect material, agreeing quantity, quality and that everything is to your satisfaction before finally signing this receipt note. We regret we cannot under any circumstances entertain any claims concerning quantity or quality once the vehicle has left the site and a clear signature has been given.

WEIGHED BY.....ORDER No.....

OFFICE USE ONLY
Collection Point Code:
.....
Materials Code:
.....

DELIVERY NOTE/WASTE TRANSFER NOTE 715106 / G

P. J. THORY LTD

VAT Reg. No. 294 1011 81

Waste Carrier Licence No. CB/DU87284

White Walls
Eldernell Lane
Coates
Peterborough PE7 2DD
Tel: P'boro (01733) 840328
Fax: (01733) 840860

Haulier: Thory
Vehicle Registration: FG62UDS
Driver Signature: SEAN
Print Name:

Place of Loading:
Name:
Address: SAXON TOP YARD WHITTLESEY

Date and Time of Loading:
Date: 16/5/16
Time:

Customer	Delivery Address		Tonnes	Kilos	Material
RK WIVIN LTD	1A OLD DIKELAND LANE LONG SUTTON	Gross			1 x 8 LOAD TOP SOIL
		Tare	12	400	
		Net			
		Cubic Metres			

Received By:
Please Print Name: C-PEARSON

NB to Customers Authorised Agents, representatives or responsible persons signing this Delivery Note. This is in your interest – Please read this ticket fully and inspect material, agreeing quantity, quality and that everything is to your satisfaction before finally signing this receipt note. We regret we cannot under any circumstances entertain any claims concerning quantity or quality once the vehicle has left the site and a clear signature has been given.

WEIGHED BY.....ORDER No.....

OFFICE USE ONLY
Collection Point Code:
.....
Materials Code:
.....

DELIVERY NOTE/WASTE TRANSFER NOTE 728828 / G

P. J. THORY LTD

VAT Reg. No. 294 1011 81

Waste Carrier Licence No. CB/DU87284

White Walls
Eldernell Lane
Coates
Peterborough PE7 2DD
Tel: P'boro (01733) 840328
Fax: (01733) 840860

Haulier: P. J. THORY
Vehicle Registration: FJ65 UZF
Driver Signature: D. Thorpe
Print Name: DENNIS.

Place of Loading:
Name: A.S.R.
Address: SAXON

Date and Time of Loading:
Date: 16-8-16.
Time:

Customer	Delivery Address		Tonnes	Kilos	Material
RK. WILSON.	1A OLD BREWERY LANE LONG SUTTON.	Gross			SCREENED TOP SOIL 1 LOAD
		Tare			
		Net			
		Cubic Metres			

Received By: C Pearson
Please Print Name: C. PEARSON

NB to Customers Authorised Agents, representatives or responsible persons signing this Delivery Note. This is in your interest – Please read this ticket fully and inspect material, agreeing quantity, quality and that everything is to your satisfaction before finally signing this receipt note. We regret we cannot under any circumstances entertain any claims concerning quantity or quality once the vehicle has left the site and a clear signature has been given.

WEIGHED BY.....ORDER No.....

OFFICE USE ONLY
Collection Point Code:
.....
Materials Code:
.....

DELIVERY NOTE/WASTE TRANSFER NOTE 718882 / G

P. J. THORY LTD

VAT Reg. No. 294 1011 81

Waste Carrier Licence No. CB/DU87284

White Walls
Eldernell Lane
Coates
Peterborough PE7 2DD
Tel: P'boro (01733) 840328
Fax: (01733) 840860

Haulier: THORY
Vehicle Registration: FJ15 UMJ
Driver Signature: R PARK
Print Name: .....

Place of Loading:
Name: EASR
Address: SAXON
.....
.....

Date and Time of Loading:
Date: 16/8/16
Time: .....

Customer	Delivery Address		Tonnes	Kilos	Material
RK Wilson	1A OLD BREWERY LANE LONG SUTTON	Gross			SCREENED TOPSOIL
		Tare			
		Net			
		Cubic Metres	1X8W Load		

Received By: .....
Please Print Name: C. PARKSON

NB to Customers Authorised Agents, representatives or responsible persons signing this Delivery Note. This is in your interest – Please read this ticket fully and inspect material, agreeing quantity, quality and that everything is to your satisfaction before finally signing this receipt note. We regret we cannot under any circumstances entertain any claims concerning quantity or quality once the vehicle has left the site and a clear signature has been given.

SIGNED BY ..... ORDER No .....

P.J. THORY LTD

White Walls, Eldernell Lane, Coates, Peterborough, PE7 2DD
Tel: 01733 840328 Fax: 01733 840860
Tel: 01733 840882 Fax: 01733 840825

Invoice	159101
Date	21-08-2016
Account	WILSO
Order No.	

VAT No. GB 294 1011 81

Invoice Address:

RK WILSON BUILDERS LTD
SANDPIT FARM
WISBECH ROAD
LONG SUTTON
LINCOLNSHIRE
PE12 9AQ

Delivery Address:

1A OLD BREWERY LANE
LONG SUTTON

Date	Ticket	Vehicle	Product	Qty	Unit	Price	Nett
16-08-2016	724074	FG63UDP	SCREENED TOPSOIL	1.000	Per Load	300.00	300.00
16-08-2016	715106	FG63UDS	SCREENED TOPSOIL	1.000	Per Load	300.00	300.00
16-08-2016	718882	FJ15UML	SCREENED TOPSOIL	1.000	Per Load	300.00	300.00
16-08-2016	728828	FJ65UZF	SCREENED TOPSOIL	1.000	Per Load	300.00	300.00

525

TERMS : STRICTLY 30 DAYS FROM DATE OF INVOICE

	1200.00
	240.00
Total	1440.00

WILLIAM GEORGE RECYCLING LTD

ACACIA HOUSE, SANDY LANE,
BLACKBOROUGH END,KING'S LYNN,
NORFOLK, PE32 1SE.
TEL: 01553 840288 EMAIL:wgrl@hotmail.co.uk

INVOICE.

INVOICE NO: 2053
DATE Aug-16

BILL TO:
R K Wilson Builder Ltd.,
Sand Pits Farm,
Wisbech Road,
Long Sutton,
Lincs,
PE12 9AQ.

3

DATE	TONNAGE	DESCRIPTION			RATE		BALANCE
12.8.16	2	LOAD SPOIL AWAY ✓	(LONG SUTTON)	9526	£ 100.00	£	200.00
16.8.16	20.05	2" DOWN CARR	(D)LONG SUTTON	9531	£ 13.35	£	267.67
"	1	LOAD SPOIL AWAY ✓	" "		£ 85.00	£	85.00
23.8.16	20.12	2" DOWN CARR	(D)FLEET	9543	£ 13.35	£	268.60
"	1	LOAD SPOIL AWAY	" "		£ 85.00	£	85.00
"	20.125	2" DOWN CARR	"	9544	£ 13.35	£	268.67
"	1	LOAD SPOIL AWAY	" "		£ 85.00	£	85.00

£ 707-27 = 532
552-67 = 525

TOTAL	£	1,259.94
VAT	£	251.99
INVOICE TOTAL	£	1,511.93

Payment by the 20th of the following month.

WILLIAM GEORGE RECYCLING LTD

ACACIA HOUSE, SANDY LANE,
BLACKBOROUGH END,KING'S LYNN,
NORFOLK, PE32 1SE.
TEL: 01553 840288 EMAIL:wgrl@hotmail.co.uk

INVOICE.

INVOICE NO: 2008
DATE Jul-16

BILL TO:
R K Wilson Builder Ltd.,
Sand Pits Farm,
Wisbech Road,
Long Sutton,
Lincs,
PE12 9AQ.

DATE	TONNAGE	DESCRIPTION			RATE	BALANCE
1.7.16	2	LOADS HARDCORE AWAY	(LONG SUTTON)	8381	£ 100.00	£ 200.00
8.7.16	20.05	2" DOWN CARR	(D)LONG SUTTON	8384	£ 13.35	£ 267.67
"	1	LOAD SPOIL AWAY	"	"	£ 85.00	£ 85.00
12.7.16	1	LOAD SPOIL AWAY	"	8388	£ 100.00	£ 100.00
15.7.16	1	LOAD SPOIL AWAY	"	8392	£ 100.00	£ 100.00
18.7.16	1	LOAD SPOIL AWAY	"	8394	£ 100.00	£ 100.00

525

TOTAL	£	852.67
VAT	£	170.53
INVOICE TOTAL	£	1,023.20

Payment by the 20th of the following month.

APPENDIX C

Topsoil Supplier Analysis Report

Our Ref : 20004j
Your Ref :

17 November 2015

Glossop House
Hogwood Lane
Wokingham
Berkshire
RG40 4QW

T: 0118 932 4453
F: 0118 932 8383
E: geo.wokingham@esg.co.uk

PJ Thory Ltd
"Whitewalls"
Eldernell
Coates
Whittlesey
Nr. Peterborough
PE7 2DD

For the attention of Mr Chris O'Gorman

Dear Sirs

Topsoil Compliance to BS3882: 2015: Saxon Works

The following comments refer to the results in the attached Certificate of Analysis referenced 20004j and laboratory test report referenced S15_7455 for one (1) topsoil sample collected by ESG on the 29 October 2015 from a stockpile at the above referenced site. The topsoil sample obtained was a composite of 10 subsamples taken at equal spacing around the stockpile.

ESG understand that the soil represented by the sample is required to be of a suitable quality/fertility for general landscape usage in accordance with British Standards 3882: 2015 for multipurpose topsoil. Where applicable we have included our own recommendations.

BS3882: 2015 – Soil Quality Grades

BS3882 specifies the performance requirements for specific purpose (e.g. acidic, calcareous, low fertility) and multipurpose topsoil. It is our understanding that the sample(s) submitted for analysis are to be considered under the requirements of the multipurpose specification of BS3882: 2015. BS3882: 2015 defines compliant topsoil as follows:

"If correctly handled, placed over a non-compact subsoil and managed appropriately (including attention to drainage), topsoil is capable of sustainably supporting grass, trees, shrubs, herbaceous plants and other plantings. However, irrespective of its classification, unless correctly handled and managed, a topsoil cannot be expected necessarily to perform these functions satisfactorily."

Furthermore, with respect to multipurpose topsoil, the BS3882: 2015 states:

"Multipurpose topsoil is the grade suited to most situations where topsoil is required; however, there can be situations where specific purpose topsoil is required. Some natural topsoils, especially clayey and low organic matter silty topsoils, might not be able to survive the handling involved with trading topsoil."

1 Sample Description

With the exception of soil texture, the sample has been described in accordance with the Soil Survey of England and Wales Field Handbook (Technical Monograph No. 5, 1976). Soil texture has been classified using the UK soil texture classification system, as included in BS 3882: 2015.

The Saxon Works sample could be described as black (Munsell colour 10YR 1/1) slightly stony, slightly moist, ORGANIC CLAY with well-developed structures, consisting of fine (<2 mm), medium (2 - 5 mm), and coarse (6 - 15 mm) granular aggregates. The sample was free from deleterious material (ash, concrete, glass etc) and no particular odours were noticed.

2 Analytical Results

The following parameters were determined in accordance with the British Standard 3882: 2015, which is appropriate for assessment of topsoil for general landscaping use.

2.1 Particle Size Distribution

The Saxon Works topsoil sample was found by particle size analysis to fall within the clay textural range (UK Classification).

This is heavy in texture exceeding the maximum value of 35 percent clay specified by the BS3882: 2015 for multipurpose topsoil. Heavy soils such as this tend to be prone to compaction (especially when wet) during double handling and subsequent waterlogging.

2.2 Stone Content

British Standards 3882: 2015 for multipurpose topsoil outlines that a conforming sample shall contain no stones over 50 mm in size, no more than 10% stones over 20 mm in size, and no more than 30% over 2 mm in size.

The sample was found to have a low stone content by weight, conforming to the requirements of BS3882: 2015 topsoil multipurpose specification and stones should not prove a limitation to general landscaping use.

2.3 Soil Reaction (pH Value)

The topsoil sample was found to be acid in reaction (pH 5.6), conforming to the requirements of the BS3882: 2015 multipurpose topsoil specification at a pH range considered suitable for general landscaping purposes. The pH measured would be suitable for acid demanding species or those known to be tolerant with a wide pH range (most native species). A pH 5.6 may not be suitable for some delicate ornamentals or species known to specifically prefer neutral or alkaline soils.

2.4 Electrical Conductivity (Salinity) Value

The electrical conductivity (salinity) value in the calcium sulphate extract was low, conforming to the requirements of BS3882: 2015, indicating that soluble salts were not at levels that could impede plant growth.

2.5 Organic Matter and Major Plant Nutrients

The organic matter and major plant nutrient content of the samples (with reference to the requirements of BS3882: 2015 multipurpose topsoil) have been summarised in the table below:

Sample Reference	*Organic Matter**	*Total Nitrogen*	*Carbon : Nitrogen Ratio*	*Phosphorus*	*Potassium*	*Magnesium*
SH1A	**X**	✓	✓	**X**	✓	✓

✓ Indicates parameter which conforms to BS3882 : 2015 Multipurpose
X Indicates parameter which does not conform to BS3882 : 2015 Multipurpose
* Organic matter is dependent on soil texture

2.6 Phytotoxic Contaminants

None of the potentially phytotoxic contaminants (copper, nickel or zinc) were present above their respective MAFF, 1998 threshold trigger concentrations for plant growth for a soil with a pH of below 7 and should not prove restrictive to plant growth.

2.7 Zootoxic Contaminants

The topsoil samples were analysed for a range of contaminants that may pose a risk to the health of end users of the site at varying concentrations. In the United Kingdom a fit for purpose approach is taken to the assessment of the risks of potential contaminants to human health. As such, the allowable concentrations of potential contaminants will vary depending on the end use of the material.

The results are presented in the attached Laboratory Test Report referenced S15_7455 and reference should be made to the concentrations present once the proposed end use of the material is known.

However, the concentration of potential contaminants were below their respective generic assessment criteria (GAC) values derived by ESG using the Environment Agency's CLEA model for residential end uses.

3 Summary

From our visual examination and subsequent laboratory analysis, the Saxon Works topsoil sample was found to be acidic clay with adequate structures and a low stone content. The sample contained sufficient levels of total nitrogen and extractable potassium and magnesium but had an excess of organic matter and a deficiency of extractable phosphorus.

4 Discussion and Recommendations

The following comments are given to discuss important characteristics of the sample in relation to the requirements of BS3882: 2015 multipurpose topsoil, and to give recommendations for improvement where appropriate and if practically possible.

Based on our findings, with the exception of a high clay content, an excess of organic matter, and a deficiency of extractable phosphorus, the topsoil represented by the Saxon Works topsoil sample met the minimum horticultural requirements of the BS3882: 2015 multipurpose topsoil specification.

The sample was found to be free from significant contamination with respect to the determinands analysed and a residential end use.

4.1 Soil Texture

The Saxon Works sample was found to be very heavy in texture, exceeding the maximum value of 35% clay specified by the BS3882: 2015 multipurpose topsoil. The topsoil samples were well developed on inspection, and a good pore network can exist in a clay-based soil that is well structured. However, heavy soils such as these are easily damaged structurally following intensive handling associated with general landscaping usage, which can lead to poor drainage and waterlogging in the final soil profile.

Lighter sand dominated soils are better able to resist structural damage. For this reason, the BS3882: 2015 has specified a maximum of 35 percent clay. Therefore, it is unlikely that the topsoil represented by the sample could be double handled (stripped, stockpiled, transported and re-spread) without significant structural damage and subsequent risks of waterlogging.

4.2 Organic Matter

The organic matter content of the topsoil sample of 27.6%, exceeds the maximum value of 20% specified by BS3882: 2015 for multipurpose topsoil. Organic matter can hold several times its own weight in water and very organic soils may be difficult to handle when wet and slow to dry out. As the organic matter breaks down, it can lead to differential settlement which may not be acceptable in areas of lawn or grass establishment.

4.3 Fertiliser

To remedy the phosphorus deficiency of the topsoil for general landscaping purpose, we recommend the application of 8 g/m^2 P_2O_5. This may be applied as superphosphate fertiliser (20% P_2O_5) at the rate of 40 g/m^2 (400 kg/ha).

4.4 Soil Handling

Considering the heavy texture, great care should be taken during soil handling and cultivation to avoid structural damage. In particular, the soil should not be worked when excessively wet, or tracked over by heavy plant. Ideally the soils should only be handled whilst in a friable condition, which basically equates to a moisture content at which the soil crumbles easily in the hand and does not smear.

ESG trust that this report meets your requirements, but please contact us should you require clarification on any of the matters raised. Thank you for your custom and we hope that we can be of further assistance to you in the future.

Yours faithfully,

For **ESG**



MALCOLM GRAY
Soil and Environmental Scientist
malcolm.gray@esg.co.uk

References

BSI 3882 : 2015 : Specification for Topsoil and Requirements for Use. British Standards Institution, London.

Hodgson, M. : 1976 : Soil Survey Field Handbook. Soil Survey of England and Wales. Technical Monograph No. 5, Harpenden.

MAFF : 1998 : The Soil Code Revised 1998, Code of Good Practice for the Protection of Soil, Ministry of Agriculture Fisheries and Food, Welsh Office Agriculture Department, October 1998

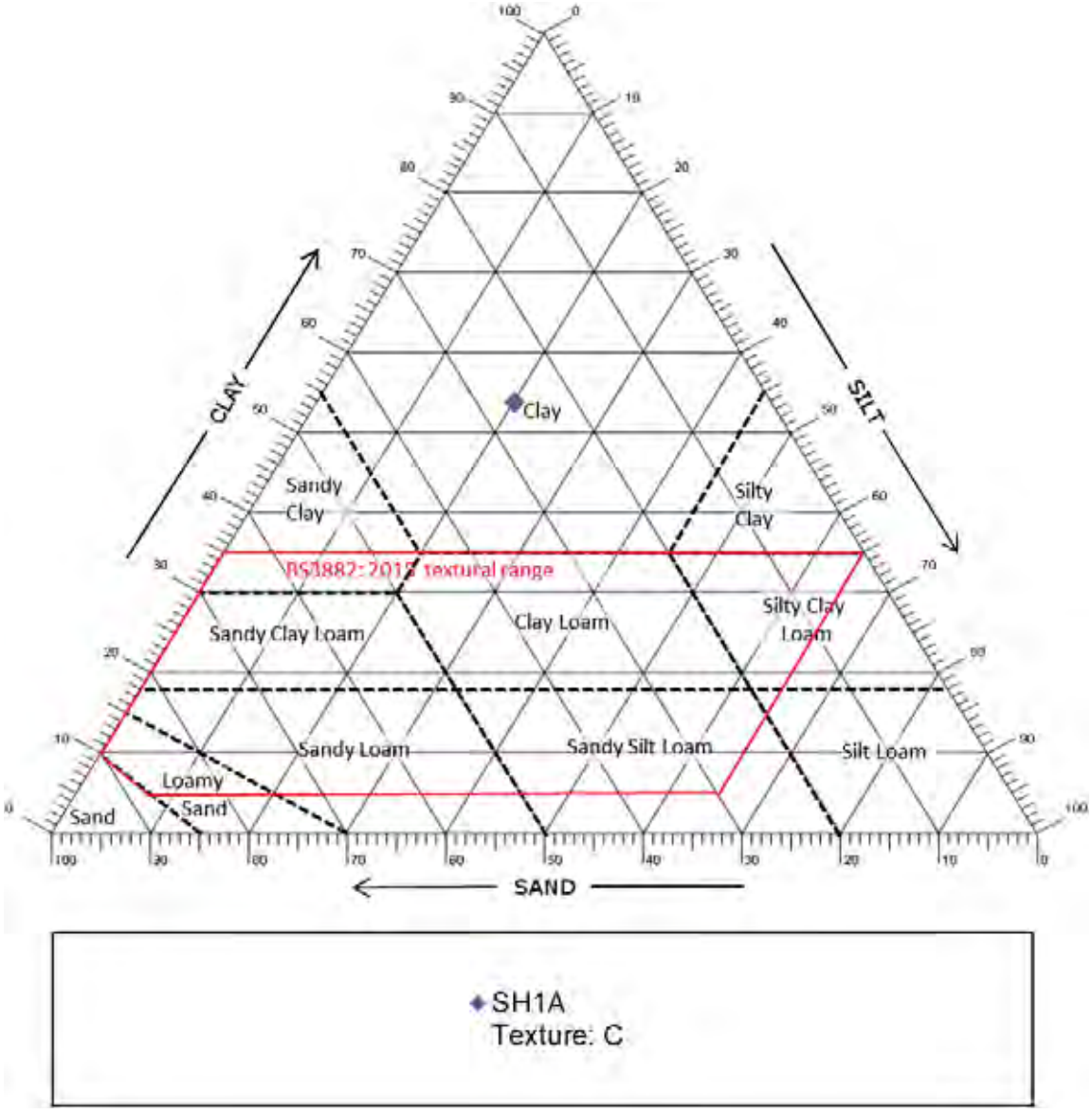
Munsell Color Company Inc. : 1973 : Baltimore, Maryland 21218, USA.

Mechanical Analysis
Soil Textural Classes

UK CLASSIFICATION

Clay	Less than 0.002 mm
Silt	0.002 – 0.6 mm
Sand	0.6 – 2.00 mm

Our Ref: *20004j*
Client: *PJ Thory*
Site: *Saxon Works*
Date: *17 November 2015*



Certificate of Analysis

Client	:	PJ Thory	Our Ref.	:	20004J
Client Reference	:	-	Date Received	:	29/10/2015
Suite ID	:	BS3882 : 2015 - Multipurpose Grade	Date Reported	:	17/11/2015
Site Details	:	Saxon Works	Sampled by	:	Client

Soil Sample Reference : **SH1A**

Particle Size Distribution*	**(UK Classification)**		
Clay (<0.002mm)	%	54	×
Silt (0.002-0.06mm)	%	20	✓
Sand (0.06-2.0mm)	%	26	✓
Textural Class		C	×

Stone Content (Dry Weight Basis)			
Stones 2-20mm	%w/w	1.4	✓
Stones 20-50mm	%w/w	0	✓
Stones >50mm	%w/w	0	✓

Soil Reaction & Soluble Salts			
pH Value ‡	units	5.6	✓
Electrical Conductivity ($CaSO_4$)†	µS/cm	2361	✓

Organic Matter & Nutrient Status			
Organic Matter (LOI)	%	27.6	×
Total Nitrogen	%	1.16	✓
Carbon : Nitrogen Ratio		14:1	✓
Extractable Phosphorous	mg/l	13	×
Extractable Potassium	mg/l	174	✓
Extractable Magnesium	mg/l	93	✓

Phytotoxic Metals'			
Zinc (Zn)	mg/kg	66.7	✓
Copper (Cu)	mg/kg	29.6	✓
Nickel (Ni)	mg/kg	56.0	✓

Visibile Contaminants (Dry Weight Basis)			
Total foreign matter > 2 mm	%w/w	<0.5	✓
… of which plastics	%w/w	<0.25	✓
… of which sharps	%w/w	0	✓

Notes:

✓ Conforms to BS3882:2015 Multipurpose Grade
× Fails to conform to BS3882:2015 Multipurpose Grade

* ADAS pipette
‡ 1:2.5 water extract
† $CaSO_4$ extract
' Total metals
ne not evaluated

UK Soil Texture Classification

C	Clay	ZC	Silty Clay
SC	Sandy Clay	ZCL	Silty Clay Loam
CL	Clay Loam	SZL	Sandy Silt Loam
SL	Sandy Loam	ZL	Silt Loam
SCL	Sandy Clay Loam	S	Sand
LS	Loamy Sand		

Sample(s) were analysed at the UKAS accredited laboratory of NRM

ESG. Glossop House, Hogwood Ln, Wokingham, Berks. RG40 4QW. Tel: 0118 932 4453

Our Ref: EFS/157455M (Ver. 1)
Your Ref: 20004j

November 9, 2015

Environmental Chemistry
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DE15 0YZ

Telephone: 01283 554400
Facsimile: 01283 554422

Mr S Mason
ESG Geoenvironmental Consulting
ESG Geotechnical Division
Glossop House
Hogwood Lane
Wokingham
RG40 4QW

For the attention of Mr S Mason

Dear Mr Mason

Sample Analysis - PJ Thory LTD

Samples from the above site have been analysed in accordance with the schedule supplied.
The sample details and the results of analyses for these samples are given in the appended report.

An invoice for this work will follow under a separate cover.

Where appropriate the samples will be kept until 14/12/15 when they will be discarded. Please call 01283 554467 for an extension of this date.
Please be aware that our policy for the retention of paper based laboratory records and analysis reports is 6 years.

The work was carried out in accordance with Environmental Scientifics Group Ltd (Laboratory and Analytical) Standard Terms and Conditions of Contract.

If I can be of any further assistance please do not hesitate to contact me.

Yours sincerely

for ESG

L Thompson
Project Co-ordinator
01283 554467

Environmental Chemistry, ESG, P.O. Box 100, Burton-upon-trent, DE15 0XD Tel: 01283 554400 Fax: 01283 554422
Environmental Scientifics Group Limited.
Registered No: 2880501

TEST REPORT

1252

Report No. EFS/157455M (Ver. 1)

ESG Geoenvironmental Consulting
ESG Geotechnical Division
Glossop House
Hogwood Lane
Wokingham
RG40 4QW

Site: PJ Thory LTD

The 1 sample described in this report were registered for analysis by ESG on 02-Nov-2015. This report supersedes any versions previously issued by the laboratory.
The analysis was completed by: 09-Nov-2015

Tests where the accreditation is set to N or No, and any individual data items marked with a * are not UKAS or MCERTS accredited. Any opinions or interpretations expressed herein are outside the scope of any UKAS accreditation held by ESG.

The following tables are contained in this report:

Table 1 Main Analysis Results (Pages 2 to 3)
Table of SVOC Results (Page 4)
Table of TPH Texas banding (std) (Page 5)
GC-FID Chromatograms (Page 6)
Table of VOC (HSA) Results (Page 7)
Table of Asbestos Screening Results (Page 8)
Analytical and Deviating Sample Overview (Page 9)
Table of Method Descriptions (Page 10)
Table of Report Notes (Page 11)
Table of Sample Descriptions (Appendix A Page 1 of 1)

On behalf of
ESG :
Declan Burns

Managing Director
Multi-Sector Services

Date of Issue: 09-Nov-2015

Accreditation Codes: **N** (Not Accredited), **U** (UKAS), **UM** (UKAS & MCERTS)
Tests marked '^' have been subcontracted to another laboratory.
(NVM) - denotes the sample matrix is dissimilar to matrices upon which the MCERTS validation was based, and is therefore not accredited for MCERTS.
All results are reported on a dry weight basis at 105^{o}C unless otherwise stated. (except QC samples)
ESG accepts no responsibility for any sampling not carried out by our personnel.

Where individual results are flagged see report notes for status.

Units :			mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg		mg/kg	%	mg/kg	mg/kg	µg/kg
Method Codes :			ICPMSS	ICPMSS	ICPMSS	ICPMSS	ICPMSS	ICPMSS	ICPMSS	ICPMSS	ICPMSS	SFAPI	Sub002a	SVOCMSUS	TMSS	TPHFIDUS	TPHFIDUS	VOCHSAS
Method Reporting Limits :			0.3	0.2	1.2	1.6	0.7	0.5	2	0.5	16	0.5			0.2	10	10	
Accreditation Code:			UM	UM	UM	UM	UM	UM	UM	UM	UM	UM	U		U	UM		
LAB ID Number CL/	**Client Sample Description**	**Sample Date**	**Arsenic (MS)**	**Cadmium (MS)**	**Chromium (MS)**	**Copper (MS)**	**Lead (MS)**	**Mercury (MS)**	**Nickel (MS)**	**Selenium (MS)**	**Zinc (MS)**	**Cyanide(Free) (AR)**	**^Asbestos Screen**	**SVOC by GCMS (AR)**	**Tot.Moisture @ 105C**	**TPH by GCFID (AR)**	**TPH Carbon Banding.**	**VOC HSA-GCMS**
1568078	Saxon Works SH1A	**29-Oct-15**	25.1	0.42	41	34.4	32.7	<0.6	35	2.1	87.7	<0.9	NAIIS	Req	42.8	315	Req	Req

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Client Name ESG Geoenvironmental Consulting

Contact Mr S Mason

PJ Thory LTD

Sample Analysis

Date Printed	**09-Nov-2015**
Report Number	**EFS/157455M**
Table Number	**1**

Where individual results are flagged see report notes for status.
Results corrected to dry weight at 105°C where appropriate, in accordance with the MCERTS standard.

		Units :	mg/kg															
		Method Codes :	KONECR															
		Method Reporting Limits :	0.1															
		Accreditation Code:	N															
LAB ID Number CL/	**Client Sample Description**	**Sample Date**	**Chromium vi:**															
1568078	Saxon Works SH1A	**29-Oct-15**	<0.1															

ESG

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Client Name	**ESG Geoenvironmental Consulting**
Contact	Mr S Mason

PJ Thory LTD

Sample Analysis

Date Printed	**09-Nov-2015**
Report Number	**EFS/157455M**
Table Number	**1**

Where individual results are flagged see report notes for status.
Results corrected to dry weight at 105°C where appropriate, in accordance with the MCERTS standard.

Semi-Volatile Organic Compounds

Accredited?: Yes

Customer and Site Details:	ESG Geoenvironmental Consulting: PJ Thory LTD			**Matrix:**	Soil	**QC Batch Number:**	228
Sample Details:	Saxon Works SH1A	**Date Booked in:**	02-Nov-15	**Ext Method:**	Ultrasonic	**Multiplier:**	0.2
LIMS ID Number:	CL1568078	**Date Extracted:**	05-Nov-15	**Operator:**	JO	**Dilution Factor:**	1
Job Number:	S15_7455M	**Date Analysed:**	06-Nov-15	**Directory/Quant File:**	15SVOC.GC11\	**GPC (Y/N)**	N

Target Compounds	CAS #	R.T. (min)	Concentration mg/kg	% Fit	Accr. code
Phenol	108-95-2	-	< 0.2	-	U
bis(2-Chloroethyl)ether	111-44-4	-	< 0.2	-	U
2-Chlorophenol	95-57-8	-	< 0.2	-	U
1,3-Dichlorobenzene	541-73-1	-	< 0.2	-	U
1,4-Dichlorobenzene	106-46-7	-	< 0.2	-	U
Benzyl alcohol	100-51-6	-	< 0.9	-	U
1,2-Dichlorobenzene	95-50-1	-	< 0.2	-	U
2-Methylphenol	95-48-7	-	< 0.2	-	U
bis(2-Chloroisopropyl)ether	108-60-1	-	< 0.9	-	U
Hexachloroethane	67-72-1	-	< 0.2	-	U
N-Nitroso-di-n-propylamine	621-64-7*	-	< 1.6	-	N
3- & 4-Methylphenol	108-39-4/106-44-5	-	< 0.2	-	U
Nitrobenzene	98-95-3	-	< 0.9	-	U
Isophorone	78-59-1*	-	< 0.2	-	N
2-Nitrophenol	88-75-5	-	< 0.2	-	U
2,4-Dimethylphenol	105-67-9	-	< 0.2	-	U
Benzoic Acid	65-85-0*	-	< 0.9	-	N
bis(2-Chloroethoxy)methane	111-91-1	-	< 0.2	-	U
2,4-Dichlorophenol	120-83-2	-	< 0.2	-	U
1,2,4-Trichlorobenzene	120-82-1*	-	< 0.2	-	N
Naphthalene	91-20-3	-	< 0.2	-	U
4-Chlorophenol	106-48-9	-	< 0.9	-	U
4-Chloroaniline	106-47-8*	-	< 0.9	-	N
Hexachlorobutadiene	87-68-3*	-	< 0.2	-	N
4-Chloro-3-methylphenol	59-50-7	-	< 0.2	-	U
2-Methylnaphthalene	91-57-6	-	< 0.2	-	U
1-Methylnaphthalene	90-12-0	-	< 0.2	-	U
Hexachlorocyclopentadiene	77-47-4*	-	< 0.2	-	N
2,4,6-Trichlorophenol	88-06-2	-	< 0.2	-	U
2,4,5-Trichlorophenol	95-95-4	-	< 0.2	-	U
2-Chloronaphthalene	91-58-7	-	< 0.2	-	U
Biphenyl	92-52-4	-	< 0.2	-	U
Diphenyl ether	101-84-8	-	< 0.2	-	U
2-Nitroaniline	88-74-4*	-	< 0.9	-	N
Acenaphthylene	208-96-8	-	< 0.2	-	U
Dimethylphthalate	131-11-3	-	< 0.2	-	U
2,6-Dinitrotoluene	606-20-2	-	< 0.9	-	U
Acenaphthene	83-32-9	-	< 0.2	-	U
3-Nitroaniline	99-09-2*	-	< 25.3	-	N

Target Compounds	CAS #	R.T.	Concentration mg/kg	% Fit	Accr. code
2,4-Dinitrophenol	51-28-5*	-	< 0.9	-	N
Dibenzofuran	132-64-9	-	< 0.2	-	U
4-Nitrophenol	100-02-7*	-	< 0.9	-	N
2,4-Dinitrotoluene	121-14-2	-	< 0.3	-	U
Fluorene	86-73-7	-	< 0.2	-	U
Diethylphthalate	84-66-2	-	< 0.2	-	U
4-Chlorophenyl-phenylether	7005-72-3	-	< 0.2	-	U
4,6-Dinitro-2-methylphenol	534-52-1*	-	< 0.3	-	N
4-Nitroaniline	100-01-6*	-	< 1.0	-	N
N-Nitrosodiphenylamine	86-30-6*	-	< 0.2	-	N
4-Bromophenyl-phenylether	101-55-3	-	< 0.2	-	U
Hexachlorobenzene	118-74-1	-	< 0.2	-	U
Pentachlorophenol	87-86-5*	-	< 0.9	-	N
Phenanthrene	85-01-8	-	< 0.2	-	U
Anthracene	120-12-7	-	< 0.2	-	U
Di-n-butylphthalate	84-74-2	-	< 0.2	-	U
Fluoranthene	206-44-0	-	< 0.3	-	U
Pyrene	129-00-0	-	< 0.3	-	U
Butylbenzylphthalate	85-68-7	-	< 0.3	-	U
Benzo[a]anthracene	56-55-3	-	< 0.3	-	U
Chrysene	218-01-9	-	< 0.3	-	U
3,3'-Dichlorobenzidine	91-94-1*	-	< 0.9	-	N
bis(2-Ethylhexyl)phthalate	117-81-7	-	< 0.3	-	U
Di-n-octylphthalate	117-84-0	-	< 0.3	-	U
Benzo[b]fluoranthene	205-99-2	-	< 0.3	-	U
Benzo[k]fluoranthene	207-08-9	-	< 0.3	-	U
Benzo[a]pyrene	50-32-8	-	< 0.3	-	U
Indeno[1,2,3-cd]pyrene	193-39-5	-	< 0.9	-	U
Dibenzo[a,h]anthracene	53-70-3	-	< 0.9	-	U
Benzo[g,h,i]perylene	191-24-2	-	< 0.9	-	U
Coronene	191-07-1*	-	< 0.5	-	N

Internal Standards	% Area
1,4-Dichlorobenzene-d4	105
Naphthalene-d8	118
Acenaphthene-d10	121
Phenanthrene-d10	124
Chrysene-d12	127
Perylene-d12	98

Surrogates	% Rec
2-Fluorophenol	81
Phenol-d5	81
Nitrobenzene-d5	75
2-Fluorobiphenyl	72
2,4,6-Tribromophenol	78
Terphenyl-d14	86

This analysis was conducted on an 'As Received' basis.

Concentrations are reported on a dry weight basis.

Where individual results are flagged see report notes for status.
Results corrected to dry weight at 105°C where appropriate, in accordance with the MCERTS standard.

Total Petroleum Hydrocarbons (TPH) Carbon Ranges

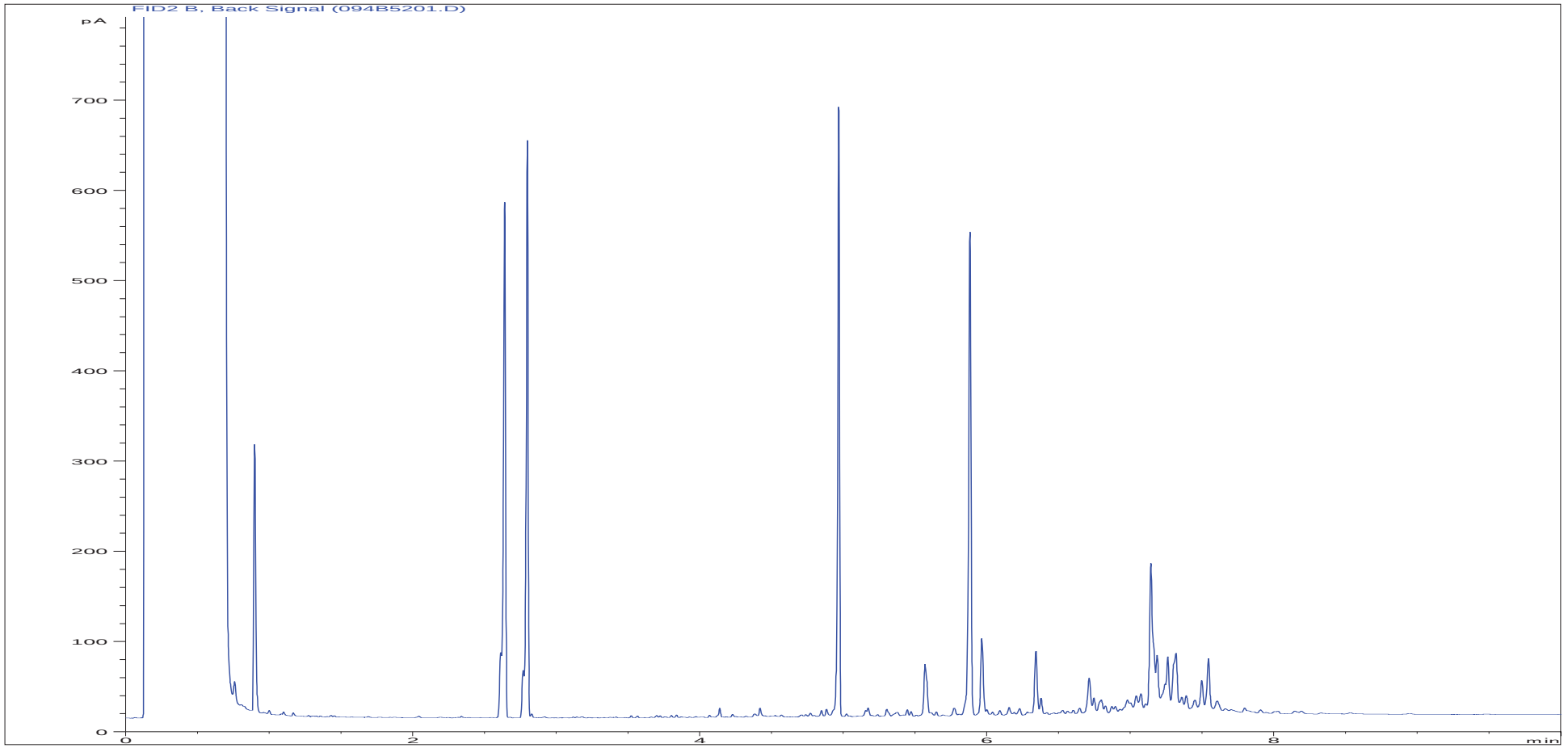
Customer and Site Details: ESG Geoenvironmental Consulting : PJ Thory LTD
Job Number: S15_7455M
QC Batch Number: 151141
Directory: D:\TES\DATA\Y2015\110515TPH_GC17\110515 2015-11-05 10-02-14\094B5201.D
Method: Ultra Sonic
Accreditation code: U

Matrix: Soil
Date Booked in: 02-Nov-15
Date Extracted: 05-Nov-15
Date Analysed: 06-Nov-15, 02:01:39

		Concentration, (mg/kg) - as dry weight.				
Sample ID	**Client ID**	**>C8 - C10**	**>C10 - C12**	**>C12 - C16**	**>C16 - C21**	**>C21 - C35**
CL1568078	Saxon Works SH1A	<3	3.99	<3	14.27	240

Where individual results are flagged see report notes for status.
Results corrected to dry weight at 105°C where appropriate, in accordance with the MCERTS standard.

Petroleum Hydrocarbons (C8 to C40) by GC/FID



Sample ID:	CL1568076	**Job Number:**	S15_7455M
Multiplier:	8	**Client:**	ESG Geoenvironmental Consulting
Dilution:	1	**Site:**	PJ Thory LTD
Acquisition Method:	TPH_RUNF.M	**Client Sample Ref:**	Saxon Works SH1A (NVM)
Acquisition Date/Time:	06-Nov-15, 02:01:39		
Datafile:	D:\TES\DATA\Y2015\110515TPH_GC17\110515 2015-11-05 10-02-14\094B5201.D		

Where individual results are flagged see report notes for status.
Results corrected to dry weight at 105°C where appropriate, in accordance with the MCERTS standard.

Volatile Organic Compounds by HSA-GCMS

Accredited?: Yes

Customer and Site Details:	ESG Geoenvironmental Consulting: PJ Thory LTD	**Directory/Quant file:**	105VOC.MS19\ Initial Calibration	**Matrix:**	Soil
Sample Details:	Saxon Works SH1A	**Date Booked in:**	02-Nov-15	**Method:**	Headspace
LIMS ID Number:	CL1568078	**Date Analysed:**	06-Nov-15	**Multiplier:**	1
Job Number:	S15_7455M	**Operator:**	PR	**Position:**	19

Target Compounds	CAS #	R.T. (min.)	Concentration µg/kg	% Fit	Accr. code
Dichlorodifluoromethane	75-71-8 **	-	< 2	-	N
Chloromethane	74-87-3 *	-	< 5	-	N
Vinyl Chloride	75-01-4	-	< 2	-	UM
Bromomethane	74-83-9	-	< 2	-	UM
Chloroethane	75-00-3	-	< 3	-	UM
Trichlorofluoromethane	75-69-4	-	< 2	-	UM
1,1-Dichloroethene	75-35-48 *	-	< 2	-	N
trans 1,2-Dichloroethene	156-60-5	-	< 2	-	UM
1,1-Dichloroethane	75-34-3	-	< 2	-	UM
MTBE	1634-04-4	-	< 2	-	UM
2,2-Dichloropropane	594-20-7	-	< 2	-	UM
cis 1,2-Dichloroethene	156-59-2	-	< 9	-	UM
Bromochloromethane	74-97-5	-	< 2	-	UM
Chloroform	67-66-3	-	< 2	-	UM
1,1,1-Trichloroethane	71-55-6	-	< 2	-	UM
Carbon Tetrachloride	56-23-5	-	< 2	-	UM
1,1-Dichloropropene	563-58-6	-	< 2	-	UM
Benzene	71-43-2	-	< 2	-	UM
1,2-Dichloroethane	107-06-2	-	< 2	-	UM
Trichloroethene	79-01-6 **	-	< 2	-	N
1,2-Dichloropropane	78-87-5	-	< 2	-	UM
Dibromomethane	74-95-3	-	< 2	-	UM
Bromodichloromethane	75-27-4	-	< 2	-	UM
cis 1,3-Dichloropropene	10061-01-5	-	< 2	-	UM
Toluene	108-88-3	-	< 9	-	UM
trans 1,3-Dichloropropene	10061-02-6	-	< 2	-	UM
1,1,2-Trichloroethane	79-00-5	-	< 2	-	UM
Tetrachloroethene	127-18-4	-	< 5	-	UM
1,3-Dichloropropane	142-28-9	-	< 2	-	UM
Dibromochloromethane	124-48-1	-	< 2	-	UM
1,2-Dibromoethane	106-93-4	-	< 2	-	UM
Chlorobenzene	108-90-7	-	< 2	-	UM
Ethylbenzene	100-41-4	-	< 3	-	UM
1,1,1,2-Tetrachloroethane	630-20-6	-	< 2	-	UM
m and p-Xylene	108-38-3/106-42-3	-	< 7	-	UM

Target Compounds	CAS #	R.T. (min.)	Concentration µg/kg	% Fit	Accr. code
o-Xylene	95-47-6	-	< 3	-	UM
Styrene	100-42-5	-	< 2	-	UM
Bromoform	75-25-2	-	< 2	-	UM
iso-Propylbenzene	98-82-8	-	< 2	-	UM
1,1,2,2-Tetrachloroethane	79-34-5 **	-	< 2	-	N
Propylbenzene	103-65-1	-	< 2	-	UM
Bromobenzene	108-86-1	-	< 2	-	UM
1,2,3-Trichloropropane	96-18-4	-	< 2	-	UM
2-Chlorotoluene	95-49-8	-	< 2	-	UM
1,3,5-Trimethylbenzene	108-67-8	-	< 2	-	UM
4-Chlorotoluene	106-43-4	-	< 2	-	UM
tert-Butylbenzene	98-06-6	-	< 2	-	UM
1,2,4-Trimethylbenzene	95-63-6	-	< 2	-	UM
sec-Butylbenzene	135-98-8	-	< 2	-	UM
p-Isopropyltoluene	99-87-6	-	< 2	-	UM
1,3-Dichlorobenzene	541-73-1	-	< 2	-	UM
1,4-Dichlorobenzene	106-46-7	-	< 2	-	UM
n-Butylbenzene	104-51-8 *	-	< 2	-	N
1,2-Dichlorobenzene	95-50-1	-	< 2	-	UM
1,2-Dibromo-3-chloropropane	96-12-8	-	< 2	-	UM
1,2,4-Trichlorobenzene	120-82-1 *	-	< 5	-	N
Hexachlorobutadiene	87-68-3 **	-	< 3	-	N
Naphthalene	91-20-3	-	< 9	-	UM
1,2,3-Trichlorobenzene	87-61-6	-	< 5	-	UM

Concentrations are reported on a dry weight basis
Compounds marked ** are not UKAS or Mcerts accredited
"M" denotes that % fit has been manually interpreted
This analysis was conducted on an 'As Received' basis.

Internal standards	R.T.	Area %	Surrogates	% Rec
Pentafluorobenzene	4.01	76	Dibromofluoromethane	105
1,4-Difluorobenzene	4.35	73	Toluene-d8	89
Chlorobenzene-d5	5.46	50		
Bromofluorobenzene	5.86	34		
1,4-Dichlorobenzene-d4	6.26	24		
Naphthalene-d8	7.09	5		

Note: Volatile compounds degrade with time, and this may affect the integrity of the data depending on the timescale between sampling and analysis. It is recommended that analysis takes place within 7 days of sampling.

Where individual results are flagged see report notes for status.
Results corrected to dry weight at 105°C where appropriate, in accordance with the MCERTS standard.

ASBESTOS ANALYSIS RESULTS - SOIL ANALYSIS

ESG Asbestos Limited Certificate of Analysis for Asbestos in Soils

UKAS TESTING 1089

Detection limit of Method SCI-ASB-020 is 0.001%

Sampling has been carried out by a third party

Client:	ESG Environmental Chemistry	**Page 1 of 1**	
Address:	Etwall House, Bretby Business Park, Ashby Road, Burton upon Trent	**Report No:**	**ANO-0488-11339**
For the attention of:	ESG Geoenvironmental Consulting	**Report Date:**	**03/11/2015**
Site Address:	PJ Thory LTD	**Project Number:**	**S157455**

Sample Number	Sample Date	Sample Location	Test Date	Total Sample Dry Weight (g)	Weight of <2mm Fraction (g)	Asbestos(g) in >8mm+>2mm	Asbestos(g) in <2mm	% Asbestos by weight of Total Dried Sample	Asbestos Fibre Types Identified
CL/1568078	29/10/15	Saxon Works SH1A	03/11/2015					Screen Only	NAIIS

Keys

NAACR = Not Analysed at Clients Request

NAIIS = No Asbestos Identified in Sample (Screens Only)

*** visible to naked eye**

NADIS = No Asbestos Detected in Sample (ID & Quant Only)

Name:	Tom Pratt	Authorised Signatory:
Position:	Lab Technician	

The sample analysis for the above results was carried out using the procedures detailed in ESG Asbestos Limited in house method (SCI-ASB-020) based on HSE document MDHS 90 - Asbestos Contaminated Land - Draft 5 - November 1997 (withdrawn). Fibre identification was carried out using ESG Asbestos Limited in house method of transmitted/polarised light microscopy and centre stop dispersion staining (SCI-ASB-007), based on HSE's HSG 248. The analysis of fine fraction for asbestos content only includes fibres and does not discriminate non-asbestos fibres. All fibres are assumed, unless specified, to be amphiboles. All tests were carried out at ESG Asbestos Laboratory, Ashbourne House, Bretby Business Park, Ashby Road, Burton-upon-Trent, Staffordshire. DE15 0XD, UKAS Laboratory Number 1089.

Where individual results are flagged see report notes for status.

Analytical and Deviating Sample Overview

Customer ESG Geoenvironmental Consulting
Site PJ Thory LTD
Report No S157455M

Consignment No S51565
Date Logged 02-Nov-2015

Report Due 09-Nov-2015

ID Number	Description	MethodID	CustServ	ICPMSS									KONECR	MCertS	SFAPI	Sub002a	SVOCMSUS	TMSS	TPHFIDUS		VOCHSAS
		Sampled	REPORT A	Arsenic (MS)	Cadmium (MS)	Chromium (MS)	Copper (MS)	Lead (MS)	Mercury (MS)	Nickel (MS)	Selenium (MS)	Zinc (MS)	Chromium vi:	MCertS Analysis	Cyanide(Free) (AR)	^Asbestos Screen	SVOC by GCMS (AR)	Tot.Moisture @ 105C	TPH by GCFID (AR)	TPH Carbon Banding.	VOC HSA-GCMS
				✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	✓	✓	✓	✓	✓	✓
CL/1568078	Saxon Works SH1A	29/10/15																			

Note: For analysis where the scheduled turnaround is greater than the holding time we will do our utmost to prioritise these samples. However, it is possible that samples could become deviant whilst being processed in the laboratory.

In this instance please contact the laboratory immediately should you wish to discuss how you would like us to proceed. If you do not respond within 24 hours, we will proceed as originally requested.

Deviating Sample Key

A	The sample was received in an inappropriate container for this analysis
B	The sample was received without the correct preservation for this analysis
C	Headspace present in the sample container
D	The sampling date was not supplied so holding time may be compromised - applicable to all analysis
E	Sample processing did not commence within the appropriate holding time
F	Sample processing did not commence within the appropriate handling time

Requested Analysis Key

	Analysis Required
	Analysis dependant upon trigger result - **Note: due date may be affected if triggered**
	No analysis scheduled
^	Analysis Subcontracted - **Note: due date may vary**

Where individual results are flagged see report notes for status.

Method Descriptions

Matrix	MethodID	Analysis Basis	Method Description
Soil	ICPMSS	Oven Dried @ < 35°C	Determination of Metals in soil samples by aqua regia digestion followed by ICPMS
Soil	KONECR	Oven Dried @ < 35°C	Determination of Chromium vi in soil samples by water extraction followed by colorimetric detection
Soil	SFAPI	As Received	Segmented flow analysis with colorimetric detection
Soil	SubCon*	*	Contact Laboratory for details of the methodology used by the sub-contractor.
Soil	SVOCMSUS	As Received	Determination of Semi Volatile Organic Compounds in soil samples by Dichloromethane/Acetone extraction followed by GCMS detection
Soil	TMSS	As Received	Determination of the Total Moisture content at 105ºC by loss on oven drying gravimetric analysis (% based upon wet weight)
Soil	TPHFIDUS	As Received	Determination of hexane/acetone extractable Hydrocarbons in soil with GCFID detection.
Soil	VOCHSAS	As Received	Determination of Volatile Organic Compounds (VOC) by Headspace GCMS

Where individual results are flagged see report notes for status.

Report Notes

Generic Notes

Soil/Solid Analysis

Unless stated otherwise,
- Results expressed as mg/kg have been calculated on the basis indicated in the Method Description table.
  All results on MCERTS reports are reported on a 105ºC dry weight basis with the exception of pH and conductivity.
- Sulphate analysis not conducted in accordance with BS1377
- Water Soluble Sulphate is on a 2:1 water:soil extract

Waters Analysis

Unless stated otherwise results are expressed as mg/l

Nil: Where "Nil" has been entered against Total Alkalinity or Total Acidity this indicates that a measurement was not required due to the inherent pH of the sample.

Oil analysis specific

Unless stated otherwise,
- Results are expressed as mg/kg
- SG is expressed as g/cm^3@ 15^{o}C

Gas (Tedlar bag) Analysis

Unless stated otherwise, results are expressed as ug/l

Asbestos Analysis

CH Denotes Chrysotile **TR** Denotes Tremolite
CR Denotes Crocidolite **AC** Denotes Actinolite
AM Denotes Amosite **AN** Denotes Anthophylite
NAIIS No Asbestos Identified in Sample
NADIS No Asbestos Detected In Sample

Symbol Reference

^ Sub-contracted analysis.
$$ Unable to analyse due to the nature of the sample
¶ Samples submitted for this analyte were not preserved on site in accordance with laboratory protocols. This may have resulted in deterioration of the sample(s) during transit to the laboratory. Consequently the reported data may not represent the concentration of the target analyte present in the sample at the time of sampling
¥ Results for guidance only due to possible interference
& Blank corrected result
I.S Insufficient sample to complete requested analysis
I.S(g) Insufficient sample to re-analyse, results for guidance only
Intf Unable to analyse due to interferences
N.D Not determined **N.Det** Not detected
N.F No Flow
NS Information Not Supplied
Req Analysis requested, see attached sheets for results
Þ Raised detection limit due to nature of the sample
***** All accreditation has been removed by the laboratory for this result
‡ MCERTS accreditation has been removed for this result
§ accreditation has been removed for this result as it is a non-accredited matrix

Note: The Laboratory may only claim that data is accredited when all of the requirements of our Quality System have been met. Where these requirements have not been met the laboratory may elect to include the data in its final report and remove the accreditation from individual data items if it believes that the validity of the data has not been affected. If further details are required of the circumstances which have led to the removal of accreditation then please do not hesitate to contact the laboratory.

Sample Descriptions

Client : ESG Geoenvironmental Consulting

Site : PJ Thory LTD

Report Number : S15_7455

Note: major constituent in upper case

Lab ID Number	Client ID	Description
CL/1568078	Saxon Works SH1A	Grey Stone SILT

APPENDIX D

Details of Barrier Pipework

3667 GAD Spalding
St Thomas's Road
Spalding
Lincolnshire
PE11 2XY
Tel: 01775 725671 Fax: 01775 710297

SALES INVOICE

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Email:
Fax No: 01406 364846

Deliver to: Rk Wilson Builders Ltd
Sandpit Farm
Wisbech Road
Long Sutton
PE12 9AQ

brewery lane	01058194	06/07/2016	Collections	90689

PPGP2550	POLYGUARD 25mm x 50m Coil Pipe PGP2550	2.00 EA	124.65	EA	249.30	S

S21

RATE % :	20.00	TOTAL GOODS	249.30
GOODS :	249.30	TOTAL VAT	49.86
VAT :	49.86		
		INV TOTAL £	299.16

Please make all cheques payable to Gibbe & Dandy
and return your payment to: Gibbe & Dandy, PO Box 7357, Glasgow, G51 9AB

PAGE 1

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Goods sold with Timber Chain of Custody (C of C) are shown by reference to the scheme in the product description, e.g. FSC, PEFC, BMTRADA, etc. unless stated in the product description. FSC (T) - SGS-COC-[illegible], FSC Mix 70%, PEFC (BMTRADA-PEFC-0042): 70% PEFC certified. Applies only to branches in scope of C of C

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Registered in England & Wales No. 1847362

Protecta-Line

Barrier pipe and fittings system for safe transportation of drinking water through contaminated ground

Excel (PE100)

PE80 Pipe

Protecta-Line

- Protecta-Line Pipe
- Protecta-Line Mechanical Compression Fittings
- Protecta-Line Electrofusion Fittings
- Protecta-Line Ferrules
- Protecta-Line Mechanical Fittings
- Protecta-Line Pupped Fittings
- Protecta-Line Accessories

Excel 3C Coils

FRIALEN

Pupped Fittings

The UK's leading barrier system

Protecta-Line is an award winning, fully integrated barrier pipe and fittings s tough multi-layer construction ensures that any contaminants remaining i and former industrial land cannot permeate into the water supply.

Why Barrier Pipe?

Previously used contaminated land is increasingly being reused for new c where drinking water is needed. Such land, in particular former industrial be remediated to reduce contamination to acceptable levels, or an appro system must be installed which provides a high level of protection over st systems and can guarantee the long term safety and quality of the water

Conventional pipe systems should not be used in such land as certain re can permeate or corrode the pipe wall causing unpleasant taste and shor the pipe.

Design

Introduced to the UK market in 1996, Protecta-Line won the IWEX Innova 1997 for its innovative design.

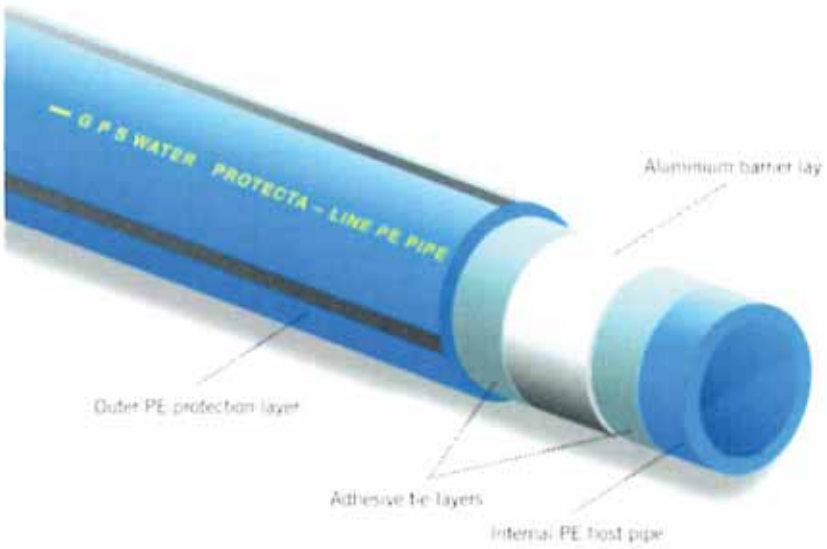
The multi-layer construction of Protecta-Line pipes incorporates an imper aluminum barrier layer wrapped onto a central core of PE80 or Excel (PE prevents the ingress that would be caused by throughwall permeation of I and related chemicals that might be present in contaminated/brownfield la

Long Spigot

Accessories

Specialist Pipes

DuraFuse



Your Benefits

Proven barrier against all recognised brownfield contaminants

Suitable for corrosive conditions - avoid the cost of expensive soil sampling

Long-term security of supply

All the installation benefits of polyethylene – a lightweight (80% lighter than ductile iron), flexible material that is fast and easy to install (up to 55% faste No thrust blocks and wrapping required. Long pipe lengths reduce need for

Reduced leakage

Excellent lifetime cost savings

Leading Barrier System

Leading the market for over 15 years

The most complete range of fully integrated pipe and fittings

Second–to-none approval status - full system is independently approved (s

Specified by choice for contaminated sites by many UK water companies.

Approvals

Approved by the Secretary of State

WRAS (complete system approved)

WIS 4-32-19 (complete system is Kitemarked)

BS 6572 (25mm-63mm pipes)

WIS 4-32-17 (25mm-355mm pipes)

BS EN 12201 (90mm-355mm pipes)

System permeation tests are independently verified.

Avoid Expensive Soil Sampling

Plastic pipe do not corrode and are suitable for corrosive conditions. Acc
Guidance (10/WM/03/21), PE barrier pipes provide sufficient protection fr
brownfield site conditions where there is no expectation of toxic substanc
that choosing Protecta-Line can help developers avoid the cost of expens
sampling, which is required for metal pipes to establish how corrosive the

Better Sustainability

Using fewer resources during its manufacture that metallic pipes, Protect
lower carbon footprint over its lifecycle and, because its hydraulic flow ch
deteriorate, maintaining the flow rate takes much less energy too. Easier,
more fuel efficient to transport and install than metallic pipe, Protecta-Lin
install and low maintenance, reducing traffic disruption during installation
its lifetime.

The Most Complete System

The Protecta-Line range incorporates pipes in sizes from 25mm to 355mr
of dedicated, approved Mechanical Compression, Mechanical, Electrofus
Pupped fittings.

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