

Company Registration No: 7771087
Thorpe House
Thorpe Close
Altrincham
WA15 7WZ
tel : +44(0) 161 904 0187



12th August 2014

Simon Devine
Taylor Wimpey Manchester Limited
George Wimpey House
1 Lumsdale Road
Stretford
Manchester
M32 0UT

Dear Simon

**RE: NX131 PLOT 14 VALIDATION REPORT – ENGPJ/196311 CALDERSTONES PARK
PHASE 3 OFF PENDLE DRIVE CLITHEROE BB7 9**

Validation testing within the rear garden of Plots 14 was undertaken on 6th August 2014 by an engineer from NX Consulting Limited. We confirm that a 600mm cover system was present comprising up to 150mm of topsoil, validated by WSP Group on behalf of John Reilly Construction, overlying 400mm+ of subsoils.

The contractor confirmed that topsoil materials used are those sourced from Clive Hurst Plant yard in Preston. NX Consulting have carried out validation testing of these materials and confirmed that they are suitable for use.

Subsoils comprise 'site won' cohesive soils validated as chemically suitable for use by NX Consulting, as bulk upfill within garden areas.

To date, NX Consulting have conducted validation tests of the cover system soils in line with the agreed remediation strategy with Ribble Valley Council. We can confirm that all concentrations fall below remedial target values agreed with the NHBC and our remediation strategy.

We can therefore, confirm that Plot 14 has been completed in line with the agreed remediation methodology agreed with Ribble Valley Council and the NHBC and is considered suitable for occupation.

Please do not hesitate to call if you have any queries.

Yours sincerely
for and on behalf of NX Consulting Limited

(Managing Director)



Plate 1 – Plot 14



Plate 2 – Plot 14 Rear Garden



Plate 3 – Plot No 14 Cover System Depth



Scientific Analysis Laboratories is a
limited company registered in England and
Wales (No 2514788) whose address is at
Hadfield House, Hadfield Street, Manchester M16 9FE

Scientific Analysis Laboratories Ltd

Certificate of Analysis

Hadfield House
Hadfield Street
Cornbrook
Manchester
M16 9FE
Tel : 0161 874 2400
Fax : 0161 874 2468

Report Number: 371356-1

Date of Report: 23-Jan-2014

Customer: NX Consulting Limited
Thorpe House
11 Thorpe Close
Altrincham
WA15 7WZ

Customer Contact: Mr Mark Newton

Customer Job Reference: NX131

Customer Purchase Order: 256

Customer Site Reference: Clive Hurt Topsoil

Date Job Received at SAL: 16-Jan-2014

Date Analysis Started: 17-Jan-2014

Date Analysis Completed: 23-Jan-2014

The results reported relate to samples received in the laboratory
Opinions and interpretations expressed herein are outside the scope of UKAS accreditation
This report should not be reproduced except in full without the written approval of the laboratory
Tests covered by this certificate were conducted in accordance with SAL SOPs
All results have been reviewed in accordance with QP22



Report checked
and authorised by :
Mr Ross Walker
Customer Services Manager
(Land)

Issued by :
Mr Ross Walker
Customer Services Manager
(Land)

Index to symbols used in 371356-1

Value	Description
M105	Analysis conducted on an "as received" aliquot. Results are reported on a dry weight basis where moisture content was determined by assisted drying of sample at 105C
M40	Analysis conducted on sample assisted dried at no more than 40C. Results are reported on a dry weight basis.
AR	As Received
S	Analysis was subcontracted
M	Analysis is MCERTS accredited
U	Analysis is UKAS accredited
N	Analysis is not UKAS accredited

Notes

Asbestos was subcontracted to REC Asbestos

Method Index

Value	Description
T277	Grav (1 Dec) (40 C)
T27	PLM
T4	Colorimetry
T162	Grav (1 Dec) (105 C)
T2	Grav
T207	GC/MS (MCERTS)
T6	ICP/OES
T7	Probe
T546	Colorimetry (CF)

Accreditation Summary

Determinand	Method	Test Sample	LOD	Units	Symbol	SAL References
Moisture	T277	AR	0.1	%	N	001-004
Moisture @ 105 C	T162	AR	0.1	%	N	001-004
Arsenic	T6	M40	2	mg/kg	M	001-004
Boron (water-soluble)	T6	AR	1	mg/kg	N	001-004
Cadmium	T6	M40	1	mg/kg	M	001-004
Chromium	T6	M40	1	mg/kg	M	001-004
Chromium VI	T6	AR	1	mg/kg	N	001-004
Copper	T6	M40	1	mg/kg	M	001-004
Lead	T6	M40	1	mg/kg	M	001-004
Mercury	T6	M40	1	mg/kg	M	001-004
Nickel	T6	M40	1	mg/kg	M	001-004
Selenium	T6	M40	3	mg/kg	M	001-004
Zinc	T6	M40	1	mg/kg	M	001-004
Cyanide(Total)	T546	AR	1	mg/kg	M	001-004
Cyanide(free)	T546	AR	1	mg/kg	M	001-004
pH	T7	AR			M	001-004
Phenols(Mono)	T546	AR	1	mg/kg	M	001-004
SO4(Total)	T6	M40	0.01	%	N	001-004
Sulphide	T4	AR	10	mg/kg	N	001-004
Sulphur(Free)	T2	M40	500	mg/kg	N	001-004
Thiocyanate	T4	AR	10	mg/kg	N	001-004
Naphthalene	T207	M105	0.1	mg/kg	M	001-004
Acenaphthylene	T207	M105	0.1	mg/kg	U	001-004
Acenaphthene	T207	M105	0.1	mg/kg	M	001-004
Fluorene	T207	M105	0.1	mg/kg	M	001-004
Phenanthrene	T207	M105	0.1	mg/kg	M	001-004
Anthracene	T207	M105	0.1	mg/kg	U	001-004
Fluoranthene	T207	M105	0.1	mg/kg	M	001-004
Pyrene	T207	M105	0.1	mg/kg	M	001-004
Benzo(a)Anthracene	T207	M105	0.1	mg/kg	M	001-004
Chrysene	T207	M105	0.1	mg/kg	M	001-004
Benzo(b/k)Fluoranthene	T207	M105	0.1	mg/kg	M	001-004

Determinand	Method	Test Sample	LOD	Units	Symbol	SAL References
Benzo(a)Pyrene	T207	M105	0.1	mg/kg	M	001-004
Indeno(123-cd)Pyrene	T207	M105	0.1	mg/kg	M	001-004
Dibenzo(ah)Anthracene	T207	M105	0.1	mg/kg	M	001-004
Benzo(ghi)Perylene	T207	M105	0.1	mg/kg	M	001-004
PAH(total)	T207	M105	0.1	mg/kg	U	001-004
Asbestos Quantification Stage 1	T27	AR	0.001	%	SU	001-004





Environment
Agency

CERTIFICATE OF REGISTRATION UNDER THE CONTROL OF
POLLUTION (AMENDMENT) ACT 1989

	Regulation Authority				
Name:	E A National Customer Contact Centre				
Address:	Environment Agency The Quadrant 2 99 Parkway Avenue, Sheffield Post Code: S9 4WG				
Tel:	08708 506 506	Telex:		Fax:	

The following information is hereby certified by the above-mentioned authority to be information which at the date of this certificate† is entered in the register which they maintain under regulation 3 of the Controlled Waste (Registration of Carriers and Seizure of Vehicles) Regulations 1991:-

Name(s) of registered carrier:	Clive Hurt (Plant Hire) Ltd.				
Registration number:	CB/TN5672PC (Previously known as LAn/490323)				
Business name (if any):	Clive Hurt (Plant Hire) Ltd.				
Address of registered carrier's principal place of business:	SANDHAM HOUSE REDROSE DRIVE LANCASHIRE ENTERPRISE BUSINESS PARK LEYLAND LANCASHIRE PR266TJ				
Tel:	01772 432475	Telex:		Fax:	01772 622398
Date of registration:	02/10/2009				
Date of expiry of registration*:	25/03/2013				
Date of which last amendment (if any) was made to the carrier's entry in the register:				02/10/2009	

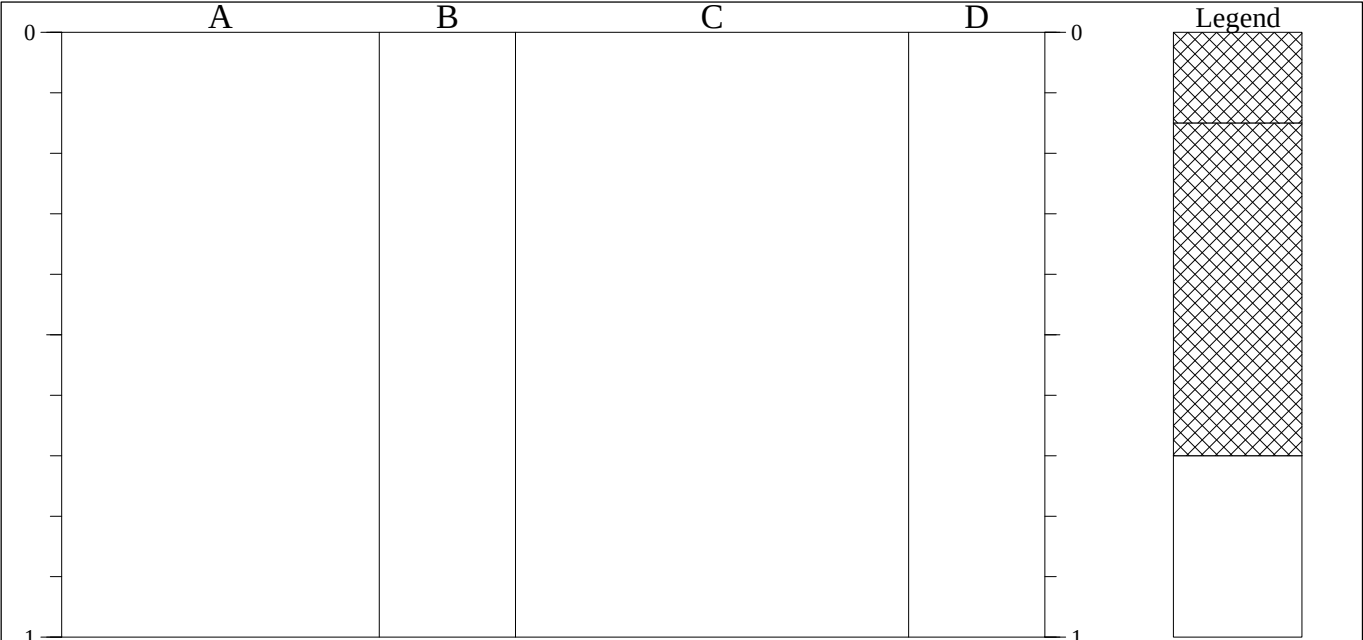


Signature of authorised officer
of the regulation authority:
[See over]

Date: 02/10/2009
061715

TRIAL PIT LOG

Project Calderstones Phase 3				TRIAL PIT No Plot 14
Job No NX131	Date 06-08-14	Ground Level (m)	Co-Ordinates ()	
Contractor Geoventures Limited				Sheet 1 of 1



STRATA				SAMPLES & TESTS		
Depth	No	DESCRIPTION	Depth	No	Remarks/Tests	
0.00-0.15		Brown slightly slightly organic clayey sand with some fine to coarse gravel of mudstone, sandstone and shale. Occasional rootlets (Imported Clive Hurt Topsoil).				
0.15-0.70		SITE WON MADE GROUND: Firm brown grey slightly organic clay with some fine to coarse angular gravel of brick, sandstone, mudstone, concrete. Occasional brick cobbles.				
0.70		Trial pit ended at 0.70m.				

Shoring/Support: None Stability: Moderate			GENERAL REMARKS No visual or olfactory evidence of hydrocarbon or solvent contamination. No groundwater recorded.

All dimensions in metres Scale 1:12.5	Client Taylor Wimpey Manchester Limited	Method/ Plant Used	Logged By MN
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AGS3 UK TP NX131 CALDERSTONES HOSPITAL PHASE 3 2012-04-25.GPJ AGS 3_1.GDT 12/8/14