

Intersoil Limited Suite 30, 58 Low Friar Street Newcastle, NE1 5UE TEL 01670 515566 FAX 01670 515577

Date: 13 June 2013 Ref: issue 13024/amd2

Ms. Forsyth Suncroft Station Road Warkworth

Land at the rear of Suncroft

Commission

Intersoil was commissioned to undertake an environmental investigation of part of a former quarry and backfilled tip (termed the 'old tip') at the rear (north) of Suncroft, located off Station Road, Warkworth. The site comprises rough ground, woodland and a small workshop.

Purpose

The purpose of the investigation was to provide basic environmental information on the content of the old tip.

Scope

The scope comprised sinking two exploratory boreholes, the installation of soil gas standpipes and subsequent environmental testing of soils and gas monitoring.

Fieldwork

Two lightweight percussion boreholes were undertaken using a mini-rig. Fieldwork was undertaken on the 24th April 2013. Boreholes were planned to extend to 5m. A number of disturbed samples were taken at metre intervals from each borehole. A number of in-situ Standard Penetration Tests (SPT's) were undertaken at metre intervals. Boreholes extended to 5m in Borehole 4 and 4.2m in Borehole 5.

Ground Conditions

Made ground comprising ashy gravel with brick rubble, glass, clinker, slate and a little plastic was noted in both locations. It extended from surface to 4.8m in Borehole 4 and to the base (4.2m) of Borehole 5. Firm brown poorly laminated clay was noted between 4.8 and 5m depth in Borehole 4.

Installations

Standpipes were installed in each borehole. Slotted pipe was 3m in length and 50mm in diameter. The standpipes were surrounded by pea gravel and the annulus sealed by bentonite pellets. A gas tap was placed at the top of each pipe and marked by plastic headworks.

In-Situ Testing

The results of the SPT testing recorded values between N1 and N5. No progress was possible beyond 4.2m in Borehole 5.



Intersoil Limited Suite 30, 58 Low Friar Street Newcastle, NE1 5UE TEL 01670 515566 FAX 01670 515577

Soils Analysis

Three samples of ashy fill underwent testing by Chemtech (reported in Certificate 48007). The samples were scheduled for a range of heavy metals, phenol, cyanide, water soluble sulphate, sulphides, acidity, organic content and hydrocarbons (total petroleum hydrocarbons – TPH and polyaromatic hydrocarbons - PAH). The results are appended.

Leaching

A leaching test was undertaken on the soil sample containing the highest arsenic concentration. The sample underwent analysis for a range of heavy metals and PAH hydrocarbon. The results are appended.

Soil Gas Monitoring

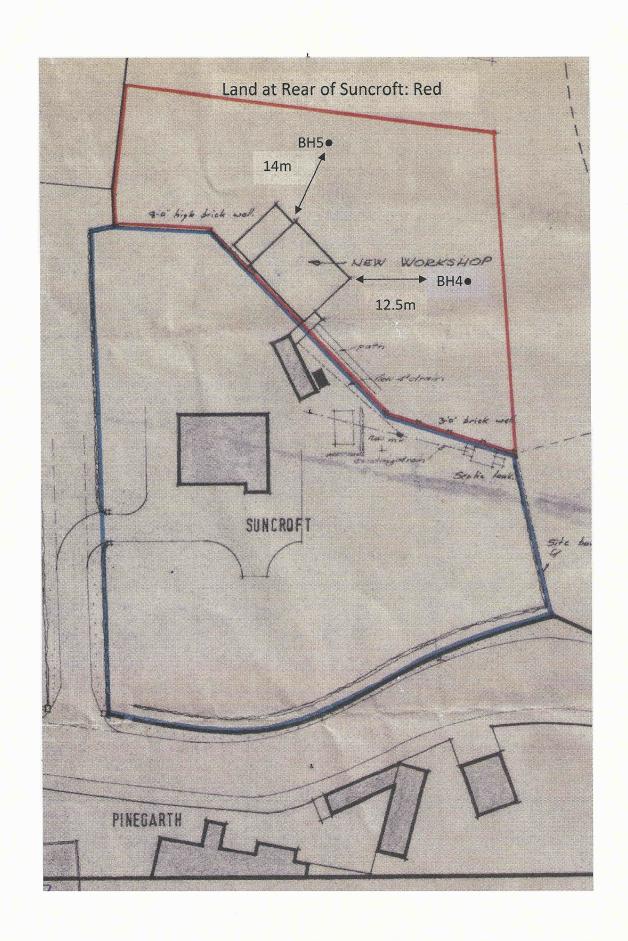
Six soil gas surveys have been undertaken. Monitoring was undertaken using a Gasdata LMS portable meter. The meter underwent its factory calibration in early May 2013. No methane was detected. Carbon dioxide was a little elevated at times and reached a maximum of 7.4% on the 24th May 2013. Oxygen concentrations dropped to a low of 16.1% on the 24th May. No maintained positive flow was recorded during the surveys. However some minor fluctuation in flow was recorded periodically. The results are appended.

Groundwater

No groundwater was recorded during boring. No groundwater was recorded in the standpipes during monitoring.

Intersoil Ltd

Enc: Borehole Locations Borehole Logs Gas Results Soil Analysis Results



INTERSOIL LTD Exchange House, Suite 30, 58 Low Friar Street, Newcastle NE1 5UE TEL: 01670 515566 / FAX: 01670 515577 info@intersoil.co.uk

						BO	DREHC	LE LO)G					
Project	roft wo	rkworth					8000	· · · · · · · · · · · · · · · · · · ·				BOREF	IOLE	No
Job No		Dat				Ground L	evel (m)	Co-C	Ordinates ()			В	H4	
130 Contractor)32		2	4-04-13							1000			
	ERSOII	Ē.										Sheet	C 1	
SAMPLI			T					STRA	A TO A			1 (of 1	
	1	Test	Water	Reduced		Depth (Thick-		SIK	AIA				gy	ment
Depth	Type No	Result	=	Level	Legend	(Thick- ness)	MADE G	ROLINID	DESC	CRIPTION			Geology	Instrument/
0.30	D						loose grey plastic gra	and grey b	lack ash, w	ith clinker,	little glass,	slate, brick,		
0.80	D													
1.00	SPT	N2												
1.80	D					-								
2.00	SPT	N2				(4.80)								
2.80	D					-								
3.00	SPT	N1				-								
	52 530 631	A0000000												
3.80	D					7/2 3/1								
4.00	SPT	N5												
4.80	D					4.80	Firm brown	sandy lan	vinated CL A	V				
			ŀ			5.00	THIII OLOWI	r sandy ran	miated CLF	1				
Borin	g Progr	ress and	Wa	ter Obs	ervation	ns	1 (Chisellin	σ	Water	Added	CENE		
	Time	Depth		Casing		Water Dpt	From	То	Hours	From	To	GENEI REMA	RKS	
												PIPE TO 3M DRY		
All dimension Scale 1:	ns in met 34.375	res Cli	ent	Forsyt	h		Metho Plant	od/ Used				Logged By AM		

INTERSOIL LTD Exchange House, Suite 30, 58 Low Friar Street, Newcastle NE1 5UE TEL: 01670 515566 / FAX: 01670 515577 info@intersoil.co.uk

BOREHOLE LOG

Project sunc	croft wa	ırkworth										BORE		No
Job No		Dat				Ground L	evel (m)	Co-0	Ordinates ()			В	H5	
	032		2	24-04-13										
Contractor	וסטמדי											Sheet		
	ERSOI		_									1	of 1	
SAMPL	T -		ter		_	Durt		STR	ATA				>	ent/
Depth	Type No	Test Result	Water	Reduced Level	Legend	Depth (Thick- ness)		Fall	DESC	CRIPTION			Geology	Instrument/
0.30	D			_		(0.60)	little ash.	clay fill	with brick ru	ibble and sa	ndstone co	bble and gravel.		
0.80	D SPT	N1					MADE GROVERY loose grubble, glass	OUND grey and s, slate, p	grey black, ; lastic	grey brown	ash and cli	nker, brick		
1.80	D					- (3.60)	terminated e	arly on o	obstruction a	t 4.2m				
2.80	D SPT	N3												
3.80 4.00	D SPT	10/200mm				4,20								
717		ress and	Wa	iter Obse	ervation		C	nisellin	g	Water	Added	GENE	RAL	
Date 7	Time	Depth	D	Casing epth Di	a. mm	Water Dpt	From	То	Hours	From	To	REMA		
										-		PIPE TO 3M DRY		
All dimension Scale 1:	ns in me	tres Clie	ent	Forsyth	1		Method Plant U	l/ sed				Logged By AM		







ANALYTICAL TEST REPORT

Contract no:

48007

Contract name:

Suncroft, Warkworth

Client reference:

Clients name:

Intersoil

Clients address:

Suite 30

58 Low Friar Street Newcastle Upon Tyne

NE1 5UE

Samples received: 29 April 2013

Analysis started:

29 April 2013

Analysis completed 07 May 2013

Report issued:

07 May 2013

Notes:

Opinions and interpretations expressed herein are outside the UKAS accreditation scope.

Unless otherwise stated, Chemtech Environmental Ltd was not responsible for sampling.

Methods, procedures and performance data are available on request.

Results reported herein relate only to the material supplied to the laboratory. This report shall not be reproduced except in full, withour prior written approval. Samples will be disposed of 6 weeks from initial receipt unless otherwise instructed.

Key:

U UKAS accredited test

M MCERTS & UKAS accredited test

\$ Test carried out by an approved subcontractor

I/S Insufficient sample to carry out test N/S Sample not suitable for testing

Approved by:

Karan Campbell

Director

John Campbell Director

Chemtech Environmental Limited SAMPLE INFORMATION

MCERTS (Soils):

Soil descriptions are only intended to provide a log of sample matrices with respect to MCERTS validation. They are not intended as full geological descriptions. MCERTS accreditation applies for sand, clay and loam/topsoil, or combinations of these whether these are derived from naturally occurring soils or from made ground, as long as these materials constitute the major part of the sample. Other materials such as concrete, gravel and brick are not accredited if they comprise the major part of the sample.

All results are reported on a dry basis. Samples dried at no more than 30° C in a drying cabinet. Analytical results are exclusive of stones.

Lab ref	Sample id	Depth (m)	Soil description passing 2mm sieve	Description of material retained on 2mm sieve	% Retained on 2mm sieve	Moisture (%)
48007-1	BH 4	0.30-0.50	Loamy Sandy Clay	Stones, Slag, Gravel & Glass	49.4	26.6
48007-2	BH 4	1.80-2.00	Loamy Sandy Clay	Slag & Gravel	36.8	23.0
48007-3	BH 5	0.80-1.00	Loamy Sandy Clay	Stones, Glass & Gravel	55.5	18.5

Chemtech Environmental Limited SOILS

Lab number			48007-1	48007-2	48007-3
Sample id			BH 4	BH 4	BH 5
Depth (m)			0.30-0.50	1.80-2.00	0.80-1.00
Date sampled		T 10 10	24/04/2013	24/04/2013	24/04/2013
Test	Method	Units			
Antimony (total)	CE058	mg/kg Sb	15	14	17
Arsenic (total)	CE054 ^M	mg/kg As	52	75	58
Cadmium (total)	CE054 ^M	mg/kg Cd	<0.2	<0.2	0.4
Chromium (total)	CE054 ^M	mg/kg Cr	54	48	58
Chromium (VI)	CE050	mg/kg CrVI	<1	<1	<1
Copper (total)	CE054 ^M	mg/kg Cu	187	608	249
Iron (total)	CE054 ^M	mg/kg Fe	126500	150200	179800
Lead (total)	CE054 ^M	mg/kg Pb	861	393	251
Mercury (total)	CE054	mg/kg Hg	<0.5	<0.5	<0.5
Nickel (total)	CE054 ^M	mg/kg Ni	135	135	156
Zinc (total)	CE054 ^M	mg/kg Zn	346	899	382
рН	CE004 ^M	units	6.7	7.4	8.0
Sulphate (2:1 water soluble)	CE061 ^M	mg/I SO ₄	53	1706	92
Sulphide	CE079	mg/kg S ²⁻	<10	<10	<10
Cyanide (free)	CE077	mg/kg CN	<2	<2	<2
Cyanide (total)	CE077	mg/kg CN	<2	<2	<2
Phenols (total)	CE078	mg/kg PhOH	<0.5	<0.5	<0.5
Organic matter content (OMC)	CE005 ^M	% w/w	5.72	3.27	4.80
PAH	I ROSE		3172	3.27	4.60
Naphthalene	CE087	mg/kg	<0.1	<0.1	<0.1
Acenaphthylene	CE087	mg/kg	<0.1	<0.1	<0.1
Acenaphthene	CE087	mg/kg	< 0.1	<0.1	<0.1
Fluorene	CE087	mg/kg	<0.1	<0.1	<0.1
Phenanthrene	CE087	mg/kg	0.4	<0.1	0.2
Anthracene	CE087	mg/kg	<0.1	<0.1	
Fluoranthene	CE087	mg/kg	0.4	<0.1	<0.1
Pyrene	CE087	mg/kg	0.4		0.2
Benzo(a)anthracene	CE087	mg/kg	<0.1	<0.1	0.2
Chrysene	CE087	mg/kg	<0.1		<0.1
Benzo(b)fluoranthene	CE087	mg/kg	<0.1	<0.1	<0.1
Benzo(k)fluoranthene	CE087	98		<0.1	<0.1
Benzo(a)pyrene	CE087	mg/kg	<0.1	<0.1	<0.1
Indeno(123cd)pyrene	CE087	mg/kg	<0.1	<0.1	<0.1
Dibenz(ah)anthracene		mg/kg	<0.1	<0.1	<0.1
Benzo(ghi)perylene	CE087	mg/kg	<0.1	<0.1	<0.1
PAH (total)	CE087	mg/kg	<0.1	<0.1	<0.1
TPH	CE087	mg/kg	<5	<5	<5
PH Aromatic EC5-EC7	CESCS				
	CE068	mg/kg	<0.01	<0.01	<0.01
PH Aromatic EC7-EC8	CE068	mg/kg	<0.01	<0.01	<0.01
PH Aromatic EC8-EC10	CE068	mg/kg	<0.01	<0.01	<0.01
PH Aromatic EC10-EC12	CE068	mg/kg	<1	<1	<1

Chemtech Environmental Limited

SOILS

Lab number			48007-1	48007-2	48007-3
Sample id			BH 4	BH 4	BH 5
Depth (m)			0.30-0.50	1.80-2.00	0.80-1.00
Date sampled			24/04/2013	24/04/2013	24/04/2013
Test	Method	Units			
TPH Aromatic EC12-EC16	CE068	mg/kg	<1	<1	<1
TPH Aromatic EC16-EC21	CE068	mg/kg	1	<1	<1
TPH Aromatic EC21-EC35	CE068	mg/kg	<1	<1	<1
TPH Aromatic EC35-EC44	CE068	mg/kg	<1	<1	<1
TPH Aliphatic EC5-EC6	CE068	mg/kg	<0.1	<0.1	<0.1
TPH Aliphatic EC6-EC8	CE068	mg/kg	<0.1	<0.1	<0.1
TPH Aliphatic EC8-EC10	CE068	mg/kg	0.2	0.1	0.2
TPH Aliphatic EC10-EC12	CE068	mg/kg	2	3	<1
TPH Aliphatic EC12-EC16	CE068	mg/kg	6	4	5
TPH Aliphatic EC16-EC35	CE068	mg/kg	185	52	40
TPH Aliphatic EC35-EC44	CE068	mg/kg	21	9	6

Chemtech Environmental Limited LEACHATES

Lab number			48007-2L
Sample id			BH 4
Depth (m)			1.80-2.00
Test	Method	Units	
Aluminium (dissolved)	CE055 ^U	mg/l Al	<0.03
Antimony (dissolved)	CE058	mg/l Sb	<0.001
Arsenic (dissolved)	CE055	mg/l As	<0.001
Cadmium (dissolved)	CE055 ^U	mg/l Cd	<0.001
Chromium (dissolved)	CE055 ^U	mg/l Cr	<0.003
Copper (dissolved)	CE055 ^U	mg/l Cu	<0.004
Lead (dissolved)	CE055 ^U	mg/l Pb	<0.009
Mercury (dissolved)	CE055	mg/l Hg	<0.001
Nickel (dissolved)	CE055 ^U	mg/l Ni	0.045
Zinc (dissolved)	CE055 ^U	mg/l Zn	0.092
PAHs			
Naphthalene	CE087	mg/l	<0.0001
Acenaphthylene	CE087	mg/l	<0.0001
Acenaphthene	CE087	mg/l	<0.0001
Fluorene	CE087	mg/l	<0.0001
Phenanthrene	CE087	mg/l	<0.0001
Anthracene	CE087	mg/l	<0.0001
Fluoranthene	CE087	mg/l	<0.0001
Pyrene	CE087	mg/l	<0.0001
Benzo(a)anthracene	CE087	mg/l	<0.0001
Chrysene	CE087	mg/l	<0.0001
Benzo(b)fluoranthene	CE087	mg/l	<0.0001
Benzo(k)fluoranthene	CE087	mg/l	<0.0001
Benzo(a)pyrene	CE087	mg/l	<0.0001
Indeno(123cd)pyrene	CE087	mg/l	<0.0001
Dibenz(ah)anthracene	CE087	mg/l	<0.0001
Benzo(ghi)perylene	CE087	mg/l	<0.0001
PAH (total)	CE087	mg/l	<0.0001

Chemtech Environmental Limited METHOD DETAILS

METHOD	SOILS	METHOD SUMMARY	SAMPLE	STATUS	LOD	UNITS
CE058	Antimony (total)	Aqua regia digest, ICP-OES	Dry		1	mg/kg Sb
CE054	Arsenic (total)	Aqua regia digest, ICP-OES	Dry	М	1	mg/kg As
CE054	Cadmium (total)	Aqua regia digest, ICP-OES	Dry	М	0.2	mg/kg Cd
CE054	Chromium (total)	Aqua regia digest, ICP-OES	Dry	М	1	mg/kg Cr
CE050	Chromium (VI)	Acid extraction, Colorimetry	Dry		1	mg/kg CrVI
CE054	Copper (total)	Aqua regia digest, ICP-OES	Dry	М	1	mg/kg Cu
CE054	Iron (total)	Aqua regia digest, ICP-OES	Dry	М	20	mg/kg Fe
CE054	Lead (total)	Aqua regia digest, ICP-OES	Dry	М	1	mg/kg Pb
CE054	Mercury (total)	Aqua regia digest, ICP-OES	Dry		0.5	mg/kg Hg
CE054	Nickel (total)	Aqua regia digest, ICP-OES	Dry	М	1	mg/kg Ni
CE054	Zinc (total)	Aqua regia digest, ICP-OES	Dry	М	3	mg/kg Zn
CE004	рН	Based on BS 1377, pH Meter	Wet	М	<u> </u>	units
CE061	Sulphate (2:1 water soluble)	Aqueous extraction, ICP-OES	Dry	М	10	mg/I SO ₄
CE079	Sulphide	Extraction, Continuous Flow Colorimetry	Wet		10	mg/kg S ²⁻
CE077	Cyanide (free)	Extraction, Continuous Flow Colorimetry	Wet		2	mg/kg CN
CE077	Cyanide (total)	Extraction, Continuous Flow Colorimetry	Wet		2	mg/kg CN
CE078	Phenols (total)	Extraction, Continuous Flow Colorimetry	Wet		0.5	mg/kg PhOH
CE005	Organic matter content (OMC)	Based on BS 1377, Colorimetry	Dry	М	0.01	% w/w
CE087	PAH (speciated)	Solvent extraction, GC-MS	Wet		0.1	mg/kg
CE087	PAH (total)	Solvent extraction, GC-MS	Wet		5	mg/kg
CE068	TPH Aliphatic/Aromatic fractions (C5-C10)	Headspace GC-FID	Wet	-	0.01-0.1	mg/kg
CE068	TPH Aliphatic/Aromatic fractions (C10-C44	Solvent extraction, GC-FID	Wet		1	mg/kg

Chemtech Environmental Limited METHOD DETAILS

METHOD	LEACHATES	METHOD SUMMARY	STATUS	LOD	UNITS
CE055	Aluminium (dissolved)	ICP-OES	U	0.03	mg/l Al
CE058	Antimony (dissolved)	ICP-OES		0.001	mg/l Sb
CE055	Arsenic (dissolved)	ICP-DES		0.001	mg/l As
CE055	Cadmium (dissolved)	ICP+OES	U	0.001	mg/i Cd
CE055	Chromium (dissolved)	ICP-OES	U	0.003	mg/l Cr
CE055	Copper (dissolved)	ICP+OES	U	0.004	mg/i Cu
CE055	Lead (dissolved)	ICP-OES	U	0.009	mg/l Pb
CE0S5	Mercury (dissolved)	ICP-OES		0.001	mg/l Hg
CE055	Nickel (dissolved)	ICP-OES	U	0.003	mg/l Ni
CE055	Zinc (dissolved)	ICP-OES	U	0.020	mg/l Zn
CE087	PAH (speciated)	Solvent extraction, GC-MS		0.0001	mg/l
CE087	PAH (total)	Solvent extraction, GC-MS		0.0001	mg/l

Chemtech Environmental Limited

DEVIATING SAMPLE INFORMATION

Comments

Sample deviation is determined in accordance with the UKAS note "Guidance on Deviating Samples" and based on reference standards and laboratory trials.

For samples identified as deviating, test result(s) may be compromised and may not be representative of the sample at the time of sampling.

Chemtech Environmental Ltd cannot be held responsible for the integrity of sample(s) received if Chemtech Environmental Ltd did not undertake the sampling. Such samples may be deviating.

Key

- N No (not deviating sample)
- Y Yes (deviating sample)
- A Sampling date not provided
- B Sampling time not provided (waters only)
- C Sample exceeded holding time(s)
- Sample not received in appropriate containers
- E Headspace present in sample container
- F Sample not chemically fixed (where appropriate)
- G Sample not cooled
- H Other (specify)

Lab ref	Sample id	Depth (m)	Deviating	Tests (Reason for deviation)	11
48007-1	BH 4	0.30-0.50	Υ	TPH C5-C10 (D,E)	-
48007-2	BH 4	1.80-2.00	Υ	TPH C5-C10 (D,E)	
48007-3	BH 5	0.80-1.00	Υ	TPH C5-C10 (D,E)	

intersoil.co.uk

REAR SUNCROFT (TIP)

1 SOIL GAS SURVEY	27-Apr-13	1015 MILLIBARS
Operation	Date	Start Atmos Prace

1015 MILLIBARS 1015 MILLIBARS Start Atmos, Press. End Atmos Press.

cool dry

Conditions

3) Gasdata LM1 used: Next calibration due May 2013

NM = not measured

2) positive flow rate fluctuated during readings

1) nmf=no maintained flow

NOTES

comments Readings are % volume dry to 2.3m base dry to 4m base Water (mbgl) Flow(I/hr) nmf nmf 19.9 02 1.5 0.4 CO2 CH4 - %LEL CH4-%VOL 0 0 LOCATION BH4 BH₅

intersoil.co.uk

REAR SUNCROFT (TIP)

Operation	2	SOIL GAS SURVEY	λ.		NOTES	
Date		17-May-13			1) nmf=no maintained flow	ed flow
Start Atmos. Press.	1005	1005 MILLIBARS			2) positive flow rate	2) positive flow rate fluctuated during readings
End Atmos Press.	1005	1005 MILLIBARS			3) Gasdata LM1 usec	3) Gasdata LM1 used: Next calibration due May 2014
Conditions		cool dry			NM = not measured	
					Readings are % volume	ne
LOCATION	CH4 - %LEL CH4-%VOL CO2		25	O2 Flow(I/hr)	Water (mbgl)	comments

dry to 2.3m base

max 0.31/hr fluctuating

19.6 19.8

nmf

0.4 0.2

0 0

0 0

BH4 BH₅

dry to 4m base

intersoil.co.uk REAR SUNCROFT (TIP)

	NOTES	1) nmf=no maintained flow	2) positive flow rate fluctuated during readings	3) Gasdata LM1 used: Next calibration due May 2014	NM = not measured	Readings are % volume
	SOIL GAS SURVEY	23-May-13	1009 MILLIBARS	1009 MILLIBARS	sun breezy	
•	Operation	Date	Start Atmos. Press.	End Atmos Press.	Conditions	

					The second secon	The second secon	
LOCATION	CH4 - %LEL	CH4-%VOL	C02	02	Flow(I/hr)	Water (mbgl)	comments
BH4	0	0	3.6	17.5	max 0.3	dry to 4m base	
BH5	0	0	3.6	16.8	flow -2.7	dry to 2.3m	
					to 1.8 fluc.		

intersoil.co.uk

REAR SUNCROFT (TIP)

				y 2014								
		ed flow	2) positive flow rate fluctuated during readings	3) Gasdata LM1 used: Next calibration due May 2014		ıme	comments					
	NOTES	1) nmf=no maintained flow	2) positive flow rate	3) Gasdata LM1 use	NM = not measured	Readings are % volume	Water (mbgl)	dry	dry			
							Flow(I/hr)	max 0.4	max 0.3	fluc.		
	ΈY						02	16.9	16.1			
	SOIL GAS SURVEY	24-May-13	1011 MILLIBARS	1011 MILLIBARS	Cool dry		C02	3.7	7.4			
•	4		1011	1011	101	1011			CH4 - %LEL CH4-%VOL	0	0	
							CH4 - %LEL	0	0			
	Operation	Date	Start Atmos. Press.	End Atmos Press.	Conditions		LOCATION	BH4	BH5			

\$ 1 m

Intersoil.co.uk REAR SUNCROFT (TIP)

NOTES	1) nmf=no maintained flow	2) positive flow rate fluctuated during readings	3) Gasdata LM1 used: Next calibration due May 2014	NM = not measured
SOIL GAS SURVEY	04-Jun-13	1030 MILLIBARS	1030 MILLIBARS	dry
Operation	Date	Start Atmos. Press.	End Atmos Press.	Conditions

LOCATION CH4 - %LEL CH4-%VOL CO2 O2 Flow(I/hr) V BH4 0 0 0.6 19.8 nmf BH5 0 0 2.3 16.1 nmf							Readings are % volume	IMP
H4 0 0 0.6 19.8 nmf H5 0 0 2.3 16.1 nmf	IOCATION	-	10/1/0 1/1/3	-00	-			
H5 0 0 0.6 19.8 nmf H5 0 0 2.3 16.1 nmf	FOCULON	CU4 - 70LEL	4-%	707	02	Flow(I/hr)	Water (mbgl)	comments
H5 0 0 0.6 19.8 H5 0 0 0.6 16.1	717	(/.0)	
H5 0 0 2.3 16.1	рп4	0	0	9.0	19.8	nmf	dry	
H5 0 0 2.3 16.1	i i	1000					4 15	
		0	0	2.3	16.1	nmf	\dub.	
						1111111	2	

intersoil.co.uk

REAR SUNCROFT (TIP)

7 2014				
NOTES 1) nmf=no maintained flow 2) positive flow rate fluctuated during readings 3) Gasdata LM1 used: Next calibration due May 2014 NM = not measured Readings are % volume	comments			
NOTES 1) nmf=no maintained flow 2) positive flow rate fluctual 3) Gasdata LM1 used: Next on measured Readings are % volume	Water (mbgl)	dry	drv	
	Flow(I/hr)	max 0.1	max 0.1	fluc.
Æ	02	20.4	19.8	
SOIL GAS SURVEY 13-Jun-13 998 MILLIBARS 998 MILLIBARS dry. Mild	C02	0	0.2	
9	CH4 - %LEL CH4-%VOL CO2	0	0	
	CH4 - %LEL	0	0	
Operation Date Start Atmos. Press. End Atmos Press. Conditions	LOCATION	BH4	BH5	