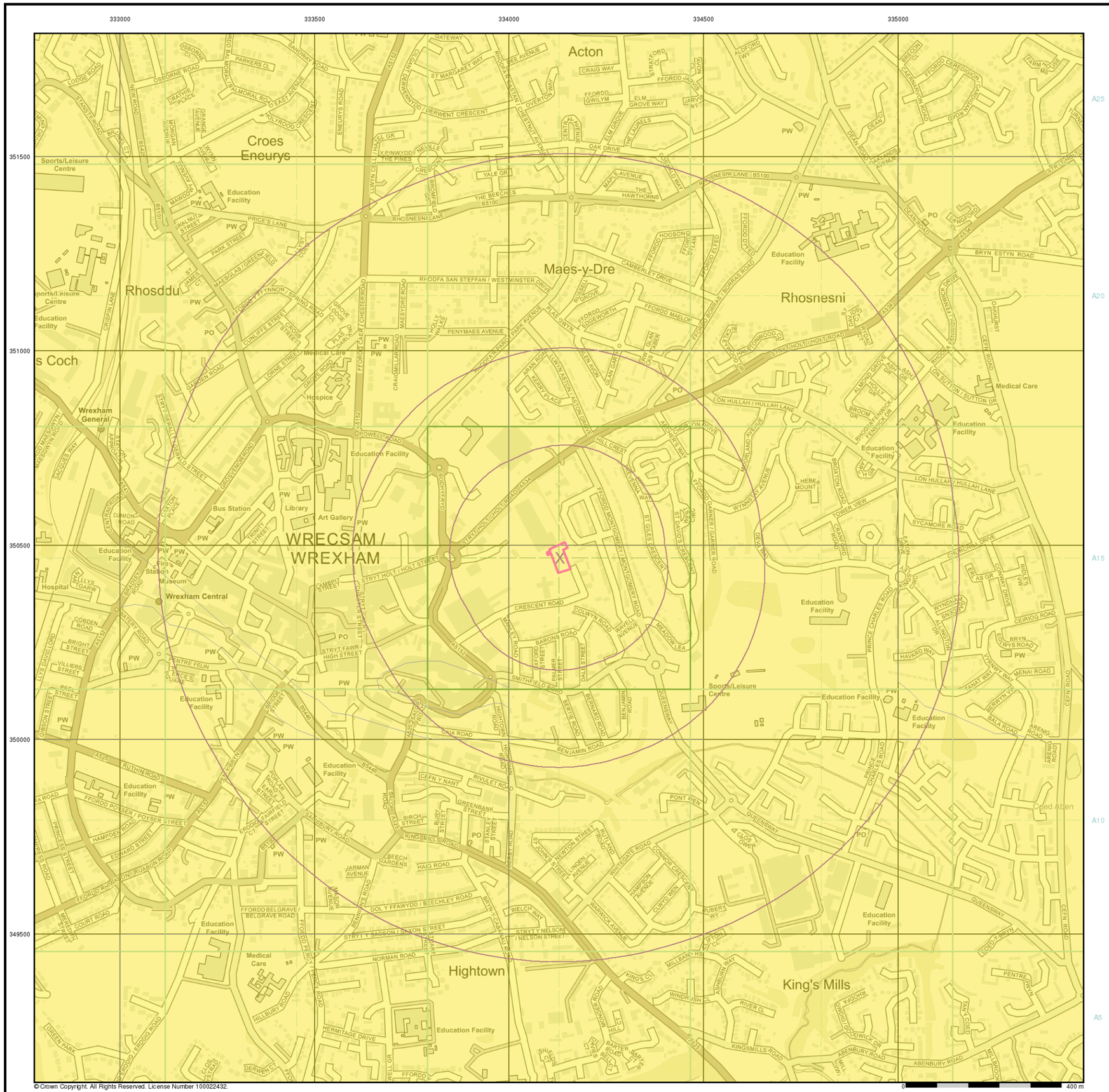


ST Consult
Environmental & Geotechnical

General

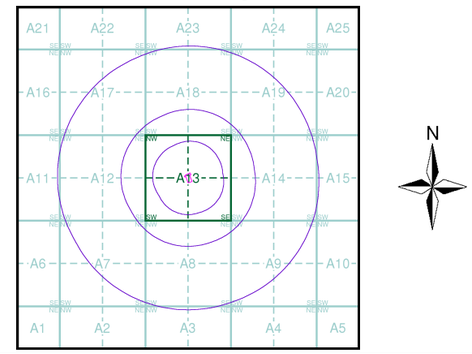
Specified Site | Specified Buffer(s) | X Bearing Reference Point

Estimated Soil Chemistry Nickel

Nickel Concentrations mg/kg

- < 15
- 15 - 30
- 30 - 45
- 45 - 60
- 60 - 80
- 80 - 100
- > 100

Estimated Soil Chemistry Nickel - Slice A



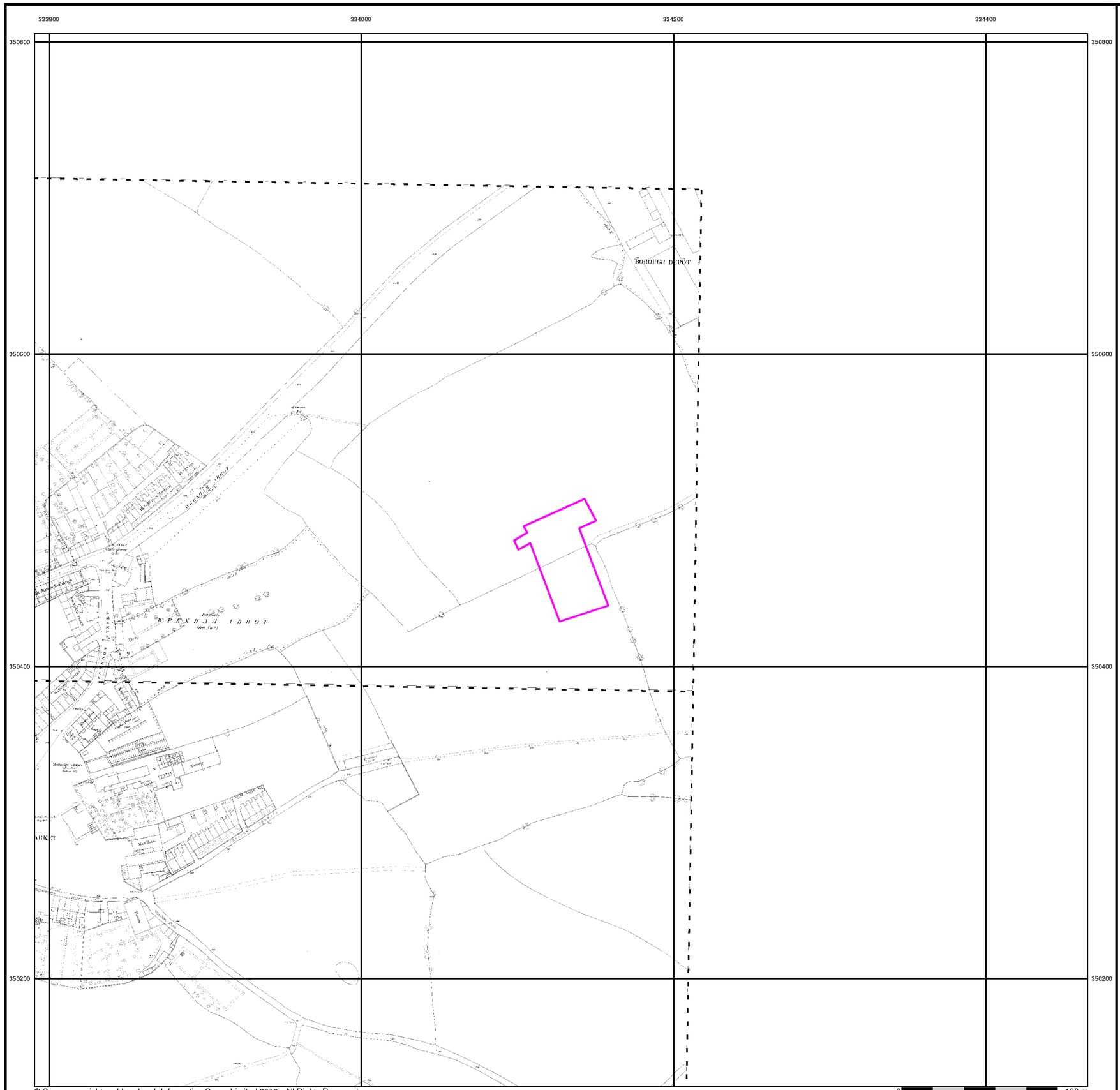
Order Details

Order Details:	197119448_1_1
Customer Ref:	JN1246
National Grid Reference:	334130, 350470
Slice:	A
Site Area (Ha):	0.25
Search Buffer (m):	1000

Site Details

JN1246, Tesco, Wrexham

Landmark INFORMATION GROUP
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk



© Crown copyright and Landmark Information Group Limited 2019. All Rights Reserved.

ST Consult
Environmental & Geotechnical

Denbighshire

Published 1874

Source map scale - 1:500

The 1:500 scale Ordnance Survey mapping was introduced in 1855 as a replacement for the 1:528 scale and to compliment the 1:2500 scale that had been implemented in 1853. By 1895, the 1:500 scale covered most towns over a population of about 4000 at the time of survey, although very few towns were mapped more than once at this scale, and none have been since 1910. The 1:500 scale gives particular emphasis to such features as lamp posts, man holes, arched passages and minor building projections. Also often featured are divisions between tenements, interior ground floor layouts of public buildings, and on earlier plans, the functions of the various parts of larger industrial premises are also indicated. Content of the plans does vary however, from one town to the next in terms of, for example, the completeness of railway tracks and the coverage of public buildings.

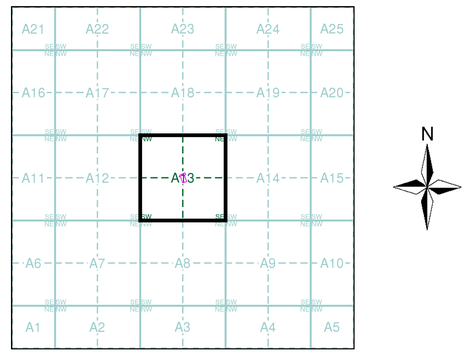
Please note: Due to the partial coverage of Historical Town Plans, it is possible that not all segments within an order will contain mapping. Only the segments that have Town Plan coverage will be generated.

Map Name(s) and Date(s)

028_12_003
1874
1:500

028_12_008
1874
1:500

Historical Town Plan - Segment A13



Order Details

Order Number:	197119448_1_1
Customer Ref:	JN1246
National Grid Reference:	334130, 350470
Slice:	A
Site Area (Ha):	0.25
Search Buffer (m):	0

Site Details

JN1246, Tesco, Wrexham

Landmark INFORMATION GROUP
Tel: 0844 844 9952
Fax: 0844 844 9951
Web: www.envirocheck.co.uk

APPENDIX F

Gas Monitoring Results

Southern Testing
Environmental & Geotechnical

ST Consult
Environmental & Geotechnical

SOIL GAS AND GROUND WATER DAILY RECORD SHEET

Project Name:	Tesco, Wrexham, LL13 8HH	**Project Engineer:**	CW	**Date:**	03-Apr-19	**Project No:**
Client:	Glanville Consultants Limited	**Operative:**	TC	**Day of the week:**	Wednesday	JN1246

Land Gas Data											Groundwater Data			Remarks		
Well / TH No.	**Atmospheric Pressure (mb) and Ambient Temperature**		**PID**	**BH pressure**	**Flow Rate**		**CH_4**	**CO_2**	**O_2**	**CO**	**H_2S**	**Depth to base of well**	**Water level**	**Height of Cover**	**Details of water samples (colour, clarity, odour etc)**	**Ground Conditions (soft, wet/dry, frozen etc) & Weather Conditions**	**General Remarks**
			ppm	Pa	l/hr		%	%	%	ppm	ppm	m below top of cover	m below top of cover	m above GL			
WLS1	992.0	P		7.0	0.0	P	0.3	6.1	16.4	0.0	0.0		DRY			Wet, Cold, overcast, sleeting	
		S				S											
		Time Of Readings:				**Time Of Readings:**						**Time Of Readings:**					
WLS2	992.0	P		-1.1	0.0	P	0.3	3.2	18.0	0.0	0.0		DRY				
		S				S											
		Time Of Readings:				**Time Of Readings:**						**Time Of Readings:**					
WLS3	992.0	P		-1.1	0.0	P	0.4	9.0	13.6	0.0	0.0		DRY				
		S				S											
		Time Of Readings:				**Time Of Readings:**						**Time Of Readings:**					
		P				P											
		S				S											
		Time Of Readings:				**Time Of Readings:**						**Time Of Readings:**					
		P				P											
		S				S											
		Time Of Readings:				**Time Of Readings:**						**Time Of Readings:**					
		P				P											
		S				S											
		Time Of Readings:				**Time Of Readings:**						**Time Of Readings:**					

P = Peak Reading, S = Steady reading **Equipment Used: Interface Meter, MiniRAE 2000, GFM435 Gas Analyser** **Checked By**

Southern Testing
Environmental & Geotechnical

ST Consult
Environmental & Geotechnical

SOIL GAS AND GROUND WATER DAILY RECORD SHEET

Project Name:	Tesco, Wrexham, LL13 8HH	Project Engineer:	CW	Date:	12-Apr-19	Project No:
Client:	Glanville Consultants Limited	Operative:	SRT	Day of the week:	Friday	JN1246

Land Gas Data											Groundwater Data			Remarks		
Well / TH No.	Atmospheric Pressure (mb) and Ambient Temperature		PID	BH pressure	Flow Rate		CH_4	CO_2	O_2	CO	H_2S	Depth to base of well	Water level	Height of Cover	Details of water samples (colour, clarity, odour etc)	Ground Conditions (soft, wet/dry, frozen etc) & Weather Conditions	General Remarks
			ppm	Pa	l/hr		%	%	%	ppm	ppm	m below top of cover	m below top of cover	m above GL			
WLS1	1018.0	P		-0.5	-0.3	P	0.2	0.0	21.2	0.0	0.0		DRY			Sunny, clear, windy	
		S				S											
		Time Of Readings: 15:13				Time Of Readings:						Time Of Readings:					
WLS2	1018.0	P		-0.5	-0.4	P	0.2	2.1	21.3	0.0	0.0		DRY				
		S				S			19.0								
		Time Of Readings: 15:20				Time Of Readings:						Time Of Readings:					
WLS3	1018.0	P		-0.5	-0.4	P	0.2	2.0	21.2	0.0	0.0		DRY				
		S				S			19.2								
		Time Of Readings: 15:27				Time Of Readings:						Time Of Readings:					
		P				P											
		S				S											
		Time Of Readings:				Time Of Readings:						Time Of Readings:					
		P				P											
		S				S											
		Time Of Readings:				Time Of Readings:						Time Of Readings:					
		P				P											
		S				S											
		Time Of Readings:				Time Of Readings:						Time Of Readings:					

P = Peak Reading, S = Steady reading

Equipment Used: Interface Meter, MiniRAE 2000, GFM435 Gas Analyser

Checked By

Southern Testing
Environmental & Geotechnical

ST Consult
Environmental & Geotechnical

SOIL GAS AND GROUND WATER DAILY RECORD SHEET

Project Name:	Tesco, Wrexham, LL13 8HH	**Project Engineer:**	CW	**Date:**	16-Apr-19
Client:	Glanville Consultants Limited	**Operative:**	SRT	**Day of the week:**	Tuesday

Project No: JN1246

		Land Gas Data									Groundwater Data			Remarks		
Well / TH No.	**Atmospheric Pressure (mb) and Ambient Temperature**		**PID**	**BH pressure**	**Flow Rate**		**CH_4**	**CO_2**	**O_2**	**CO**	**H_2S**	**Depth to base of well**	**Water level**	**Height of Cover**	**Details of water samples (colour, clarity, odour etc)**	**Ground Conditions (soft, wet/dry, frozen etc) & Weather Conditions**	**General Remarks**
			ppm	Pa	l/hr		%	%	%	ppm	ppm	m below top of cover	m below top of cover	m above GL			
WLS1	1008.0	P		-0.9	-0.1	P	0.2	0.1	21.1	0.0	0.0		DRY			Overcast, raining, mild	
		S				S											
		Time Of Readings: 10:24				**Time Of Readings:**						**Time Of Readings:**					
WLS2	1008.0	P		-0.9	-0.1	P	0.2	2.3	21.1	0.0	0.0		DRY				
		S				S			18.7								
		Time Of Readings: 10:31				**Time Of Readings:**						**Time Of Readings:**					
WLS3	1008.0	P		-0.9	-0.1	P	0.2	2.0	21.2	0.0	0.0		DRY				
		S				S			19.1								
		Time Of Readings: 10:37				**Time Of Readings:**						**Time Of Readings:**					
		P				P											
		S				S											
		Time Of Readings:				**Time Of Readings:**						**Time Of Readings:**					
		P				P											
		S				S											
		Time Of Readings:				**Time Of Readings:**						**Time Of Readings:**					
		P				P											
		S				S											
		Time Of Readings:				**Time Of Readings:**						**Time Of Readings:**					

P = Peak Reading, S = Steady reading — **Equipment Used: Interface Meter, MiniRAE 2000, GFM435 Gas Analyser** — **Checked By**

Southern Testing
Environmental & Geotechnical

ST Consult
Environmental & Geotechnical

SOIL GAS AND GROUND WATER DAILY RECORD SHEET

Project Name:	Tesco, Wrexham, LL13 8HH	Project Engineer:	CW	Date:	26-Apr-19	Project No:
Client:	Glanville Consultants Limited	Operative:	SRT	Day of the week:	Friday	JN1246

		Land Gas Data									Groundwater Data			Remarks		
Well / TH No.	Atmospheric Pressure (mb) and Ambient Temperature		PID	BH pressure	Flow Rate		CH_4	CO_2	O_2	CO	H_2S	Depth to base of well	Water level	Height of Cover	Details of water samples (colour, clarity, odour etc)	Ground Conditions (soft, wet/dry, frozen etc) & Weather Conditions	General Remarks
			ppm	Pa	l/hr		%	%	%	ppm	ppm	m below top of cover	m below top of cover	m above GL			
WLS1	1011.0	P		-0.7	<0.1	P	0.2	0.4	21.3	0.0	0.0		DRY			Overcast, raining, windy, cold	
		S				S			19.2								
		Time Of Readings: 13:45				Time Of Readings:						Time Of Readings:					
WLS2	1011.0	P		-0.7	<0.1	P	0.2	1.8	21.3	0.0	0.0		DRY				
		S				S			18.8								
		Time Of Readings: 13:52				Time Of Readings:						Time Of Readings:					
WLS3	1011.0	P		-0.8	<0.1	P	0.1	1.8	21.2	0.0	0.0		DRY				
		S				S			18.9								
		Time Of Readings: 13:58				Time Of Readings:						Time Of Readings:					
		P				P											
		S				S											
		Time Of Readings:				Time Of Readings:						Time Of Readings:					
		P				P											
		S				S											
		Time Of Readings:				Time Of Readings:						Time Of Readings:					
		P				P											
		S				S											
		Time Of Readings:				Time Of Readings:						Time Of Readings:					

P = Peak Reading, S = Steady reading

Equipment Used: Interface Meter, MiniRAE 2000, GFM435 Gas Analyser

Checked By

Southern Testing
Environmental & Geotechnical

ST Consult
Environmental & Geotechnical

SOIL GAS AND GROUND WATER DAILY RECORD SHEET

Project Name:	Tesco, Wrexham, LL13 8HH	Project Engineer:	CW	Date:	01-May-19	Project No:
Client:	Glanville Consultants Limited	Operative:	TC	Day of the week:	Wednesday	JN1246

		Land Gas Data									Groundwater Data			Remarks		
Well / TH No.	Atmospheric Pressure (mb) and Ambient Temperature		PID	BH pressure	Flow Rate		CH_4	CO_2	O_2	CO	H_2S	Depth to base of well	Water level	Height of Cover	Details of water samples (colour, clarity, odour etc)	Ground Conditions (soft, wet/dry, frozen etc) & Weather Conditions	General Remarks
			ppm	Pa	l/hr		%	%	%	ppm	ppm	m below top of cover	m below top of cover	m above GL			
WLS1	1011.0	P		-0.7	<0.1	P	<0.1	6.5	15.5	0.0	0.0		DRY			Overcast, dry	
		S				S											
		Time Of Readings: 12:00				Time Of Readings:						Time Of Readings:					
WLS2	1011.0	P		-0.7	<0.1	P	<0.1	3.4	17.8	0.0	0.0		DRY				
		S				S											
		Time Of Readings: 12:05				Time Of Readings:						Time Of Readings:					
WLS3	1011.0	P		-0.7	<0.1	P	<0.1	1.4	13.2	0.0	0.0		DRY				
		S				S			18.9								
		Time Of Readings: 12:10				Time Of Readings:						Time Of Readings:					
		P				P											
		S				S											
		Time Of Readings:				Time Of Readings:						Time Of Readings:					
		P				P											
		S				S											
		Time Of Readings:				Time Of Readings:						Time Of Readings:					
		P				P											
		S				S											
		Time Of Readings:				Time Of Readings:						Time Of Readings:					

P = Peak Reading, S = Steady reading

Equipment Used: Interface Meter, MiniRAE 2000, GFM435 Gas Analyser

Checked By

Southern Testing
Environmental & Geotechnical

ST Consult
Environmental & Geotechnical

SOIL GAS AND GROUND WATER DAILY RECORD SHEET

Project Name:	Tesco, Wrexham, LL13 8HH	**Project Engineer:**	CW	**Date:**	09-May-19	**Project No:**	JN1246
Client:	Glanville Consultants Limited	**Operative:**	ST	**Day of the week:**	Thursday		

Land Gas Data						Groundwater Data								Remarks		
Well / TH No.	**Atmospheric Pressure (mb) and Ambient Temperature**		**PID**	**BH pressure**	**Flow Rate**		**CH_4**	**CO_2**	**O_2**	**CO**	**H_2S**	**Depth to base of well**	**Water level**	**Height of Cover**	**Details of water samples (colour, clarity, odour etc)**	**Ground Conditions (soft, wet/dry, frozen etc) & Weather Conditions**	**General Remarks**
			ppm	Pa	l/hr		%	%	%	ppm	ppm	m below top of cover	m below top of cover	m above GL			
WLS1	991.0	P		-0.7	0.3	P	0.4	8.6	14.4	0.0	0.0		DRY			Overcast, dry, raining	
		S				S											
		Time Of Readings: 12:45				**Time Of Readings:**						**Time Of Readings:**					
WLS2	991.0	P		-0.7	0.1	P	<0.1	1.2	19.2	0.0	0.0		DRY				
		S				S											
		Time Of Readings: 12:52				**Time Of Readings:**						**Time Of Readings:**					
WLS3	991.0	P		-0.7	0.1	P	<0.1	1.4	18.7	0.0	0.0		DRY				
		S				S											
		Time Of Readings: 12:58				**Time Of Readings:**						**Time Of Readings:**					
		P				P											
		S				S											
		Time Of Readings:				**Time Of Readings:**						**Time Of Readings:**					
		P				P											
		S				S											
		Time Of Readings:				**Time Of Readings:**						**Time Of Readings:**					
		P				P											
		S				S											
		Time Of Readings:				**Time Of Readings:**						**Time Of Readings:**					

P = Peak Reading, S = Steady reading — **Equipment Used: Interface Meter, MiniRAE 2000, GFM435 Gas Analyser** — **Checked By**