



**geotechnics**

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Engineer:  
Rotlon Group Ltd

Client:  
Rotlon Group Ltd

Project:  
Bacton Low Rise, Gospel Oak, North London

Drawing Title:  
EXPLORATORY HOLE LOCATION PLAN

Scale: 1:500@A1  
Date: September 2012

Project No: File Name:  
PCI24991 Geo-PCI24991-001(1)



# **APPENDIX 6**

## **Monitoring Results**

# FIELDWORK - Insitu Gas Monitoring - Instrument Record

Project BACTON LOW RISE, GOSPEL OAK, NORTH LONDON

Project No PC124991

Client ROLTON GROUP

Borehole BH1

Sheet No. 1 (1 of 2)

## Installation Details

Installation Type	Standpipe	Diameter	50mm
Depth to Base	10.00m	Cover Type	Flush lockable protective cover
Filter Zone	2.00 - 10.00m	Ground Level	42.45 m OD
Date Installed	17 August 2012		

Date	Time	Depth to Water (m bgl)	Methane	Methane	Carbon Dioxide	Oxygen	Hydrogen Sulphide	Carbon Monoxide	Remarks
			CH4 (% VOL)	CH4 (% LEL)	CO2 (% VOL)	O2 (% VOL)	H2S (ppm)	CO (ppm)	
13-Sep-2012	00:00:00	1.61					<1	<1	
13-Sep-2012	00:00:05		<0.1	<2	<0.1	20.6			
13-Sep-2012	00:00:30		<0.1	<2	0.2	20.2			
13-Sep-2012	00:01:00		<0.1	<2	0.2	20.2			

Remarks



# FIELDWORK - Insitu Gas Monitoring - Instrument Record

Project BACTON LOW RISE, GOSPEL OAK, NORTH LONDON

Project No PC124991

Client ROLTON GROUP

Borehole BH1

Sheet No. 1 (2 of 2)

## Installation Details

Installation Type	Standpipe	Diameter	50mm
Depth to Base	10.00m	Cover Type	Flush lockable protective cover
Filter Zone	2.00 - 10.00m	Ground Level	42.45 m OD
Date Installed	17 August 2012		

Date	Time	Barometric Pressure (mBars)	Air Temp. (DegC)	Diff. Pressure (mBars)	Flow Rate (Peak/Stable) (l/hr)	Remarks
13-Sep-2012	00:00:00	1012	8.80	+1.37	-0.0	
13-Sep-2012	00:00:05					
13-Sep-2012	00:00:30					
13-Sep-2012	00:01:00					

Remarks



# FIELDWORK - Insitu Gas Monitoring - Instrument Record

Project BACTON LOW RISE, GOSPEL OAK, NORTH LONDON

Project No PC124991

Client ROLTON GROUP

Borehole BH2

Sheet No. 1 (1 of 2)

## Installation Details

Installation Type	Standpipe	Diameter	50mm
Depth to Base	10.00m	Cover Type	Flush lockable protective cover
Filter Zone	2.00 - 10.00m	Ground Level	43.45 m OD
Date Installed	20 August 2012		

Date	Time	Depth to Water (m bgl)	Methane	Methane	Carbon Dioxide	Oxygen	Hydrogen Sulphide	Carbon Monoxide	Remarks
			CH4 (% VOL)	CH4 (% LEL)	CO2 (% VOL)	O2 (% VOL)	H2S (ppm)	CO (ppm)	
13-Sep-2012	00:00:00	9.55					<1	<1	
13-Sep-2012	00:00:05		<0.1	<0.2	<0.1	20.6			
13-Sep-2012	00:00:30		<0.1	<2	3.8	15.1			
13-Sep-2012	00:01:00		<0.1	<2	3.8	14.6			
13-Sep-2012	00:02:00		<0.1	<2	3.8	14.6			

Remarks



# FIELDWORK - Insitu Gas Monitoring - Instrument Record

Project BACTON LOW RISE, GOSPEL OAK, NORTH LONDON

Project No PC124991

Client ROLTON GROUP

Borehole BH2

Sheet No. 1 (2 of 2)

## Installation Details

Installation Type	Standpipe	Diameter	50mm
Depth to Base	10.00m	Cover Type	Flush lockable protective cover
Filter Zone	2.00 - 10.00m	Ground Level	43.45 m OD
Date Installed	20 August 2012		

Date	Time	Barometric Pressure (mBars)	Air Temp. (DegC)	Diff. Pressure (mBars)	Flow Rate (Peak/Stable) (l/hr)	Remarks
13-Sep-2012	00:00:00	1013	9.10	+2.91	-0.0	
13-Sep-2012	00:00:05					
13-Sep-2012	00:00:30					
13-Sep-2012	00:01:00					
13-Sep-2012	00:02:00					

Remarks



# FIELDWORK - Insitu Gas Monitoring - Instrument Record

Project BACTON LOW RISE, GOSPEL OAK, NORTH LONDON

Project No PC124991

Client ROLTON GROUP

Borehole BH3

Sheet No. 1 (1 of 2)

## Installation Details

Installation Type	Standpipe	Diameter	50mm
Depth to Base	5.00m	Cover Type	Flush lockable protective cover
Filter Zone	1.00 - 5.00m	Ground Level	43.78 m OD
Date Installed	17 August 2012		

Date	Time	Depth to Water (m bgl)	Methane	Methane	Carbon Dioxide	Oxygen	Hydrogen Sulphide	Carbon Monoxide	Remarks
			CH4 (% VOL)	CH4 (% LEL)	CO2 (% VOL)	O2 (% VOL)	H2S (ppm)	CO (ppm)	
13-Sep-2012	00:00:00	3.92					<1	<1	
13-Sep-2012	00:00:05		<0.1	<2	<0.1	20.6			
13-Sep-2012	00:00:30		<0.1	<2	0.9	18.1			
13-Sep-2012	00:01:00		<0.1	<2	0.6	18.8			
13-Sep-2012	00:02:00		<0.1	<2	0.4	19.5			
13-Sep-2012	00:03:00		<0.1	<2	0.4	19.5			

Remarks



# FIELDWORK - Insitu Gas Monitoring - Instrument Record

Project BACTON LOW RISE, GOSPEL OAK, NORTH LONDON

Project No PC124991

Client ROLTON GROUP

Borehole BH3

Sheet No. 1 (2 of 2)

## Installation Details

Installation Type	Standpipe	Diameter	50mm
Depth to Base	5.00m	Cover Type	Flush lockable protective cover
Filter Zone	1.00 - 5.00m	Ground Level	43.78 m OD
Date Installed	17 August 2012		

Date	Time	Barometric Pressure (mBars)	Air Temp. (DegC)	Diff. Pressure (mBars)	Flow Rate (Peak/Stable) (l/hr)	Remarks
13-Sep-2012	00:00:00	1012	8.20	+0.04	-0.0	
13-Sep-2012	00:00:05					
13-Sep-2012	00:00:30					
13-Sep-2012	00:01:00					
13-Sep-2012	00:02:00					
13-Sep-2012	00:03:00					

Remarks





# FIELDWORK - Insitu Gas Monitoring - Instrument Record

Project BACTON LOW RISE, GOSPEL OAK, NORTH LONDON

Project No PC124991

Client ROLTON GROUP

Borehole BH4

Sheet No. 1 (1 of 2)

## Installation Details

Installation Type	Standpipe	Diameter	50mm
Depth to Base	5.00m	Cover Type	Flush lockable protective cover
Filter Zone	2.00 - 5.00m	Ground Level	41.65 m OD
Date Installed	21 August 2012		

Date	Time	Depth to Water (m bgl)	Methane	Methane	Carbon Dioxide	Oxygen	Hydrogen Sulphide	Carbon Monoxide	Remarks
			CH4 (% VOL)	CH4 (% LEL)	CO2 (% VOL)	O2 (% VOL)	H2S (ppm)	CO (ppm)	
13-Sep-2012	00:00:00	DRY					<1	<1	
13-Sep-2012	00:00:05		<0.1	<2	<0.1	20.6			
13-Sep-2012	00:00:30		<0.1	<2	1.1	19.1			
13-Sep-2012	00:01:00		<0.1	<2	1.1	19.1			

Remarks



# FIELDWORK - Insitu Gas Monitoring - Instrument Record

Project BACTON LOW RISE, GOSPEL OAK, NORTH LONDON

Project No PC124991

Client ROLTON GROUP

Borehole BH4

Sheet No. 1 (2 of 2)

## Installation Details

Installation Type	Standpipe	Diameter	50mm
Depth to Base	5.00m	Cover Type	Flush lockable protective cover
Filter Zone	2.00 - 5.00m	Ground Level	41.65 m OD
Date Installed	21 August 2012		

Date	Time	Barometric Pressure (mBars)	Air Temp. (DegC)	Diff. Pressure (mBars)	Flow Rate (Peak/Stable) (l/hr)	Remarks
13-Sep-2012	00:00:00	1012	8.70	+3.53	-0.0	
13-Sep-2012	00:00:05					
13-Sep-2012	00:00:30					
13-Sep-2012	00:01:00					

Remarks



# FIELDWORK - Insitu Gas Monitoring - Instrument Record

Project BACTON LOW RISE, GOSPEL OAK, NORTH LONDON

Project No PC124991

Client ROLTON GROUP

Borehole BH5

Sheet No. 1 (1 of 2)

## Installation Details

Installation Type	Standpipe	Diameter	50mm
Depth to Base	5.00m	Cover Type	Flush lockable protective cover
Filter Zone	2.00 - 5.00m	Ground Level	44.75 m OD
Date Installed	14 August 2012		

Date	Time	Depth to Water (m bgl)	Methane	Methane	Carbon Dioxide	Oxygen	Hydrogen Sulphide	Carbon Monoxide	Remarks
			CH4 (% VOL)	CH4 (% LEL)	CO2 (% VOL)	O2 (% VOL)	H2S (ppm)	CO (ppm)	
13-Sep-2012	00:00:00	4.66					<1	<1	
13-Sep-2012	00:00:05		<0.1	<2	<0.1	20.6			
13-Sep-2012	00:00:30		<0.1	<2	2.0	19.2			
13-Sep-2012	00:01:00		<0.1	<2	2.0	19.2			

Remarks



# FIELDWORK - Insitu Gas Monitoring - Instrument Record

Project BACTON LOW RISE, GOSPEL OAK, NORTH LONDON

Project No PC124991

Client ROLTON GROUP

Borehole BH5

Sheet No. 1 (2 of 2)

## Installation Details

Installation Type	Standpipe	Diameter	50mm
Depth to Base	5.00m	Cover Type	Flush lockable protective cover
Filter Zone	2.00 - 5.00m	Ground Level	44.75 m OD
Date Installed	14 August 2012		

Date	Time	Barometric Pressure (mBars)	Air Temp. (DegC)	Diff. Pressure (mBars)	Flow Rate (Peak/Stable) (l/hr)	Remarks
13-Sep-2012	00:00:00	1012	8.00	+0.34	-0.0	
13-Sep-2012	00:00:05					
13-Sep-2012	00:00:30					
13-Sep-2012	00:01:00					

Remarks



# FIELDWORK - Insitu Gas Monitoring - Instrument Record

Project BACTON LOW RISE, GOSPEL OAK, NORTH LONDON

Project No PC124991

Client ROLTON GROUP

Borehole BH7

Sheet No. 1 (1 of 2)

## Installation Details

Installation Type	Standpipe	Diameter	50mm
Depth to Base	5.00m	Cover Type	Flush lockable protective cover
Filter Zone	2.00 - 5.00m	Ground Level	42.10 m OD
Date Installed	15 August 2012		

Date	Time	Depth to Water (m bgl)	Methane	Methane	Carbon Dioxide	Oxygen	Hydrogen Sulphide	Carbon Monoxide	Remarks
			CH4 (% VOL)	CH4 (% LEL)	CO2 (% VOL)	O2 (% VOL)	H2S (ppm)	CO (ppm)	
13-Sep-2012	00:00:00	1.59							
13-Sep-2012	00:00:05		<0.1	<2	<0.1	20.6	<1	<1	
13-Sep-2012	00:00:30		<0.1	<2	1.0	17.1	<1	188	
13-Sep-2012	00:01:00		<0.1	<2	1.0	16.9	<1	320	
13-Sep-2012	00:02:00		<0.1	<2	1.0	16.9	<1	379	
13-Sep-2012	00:03:00		<0.1	<2	1.0	16.9	<1	383	
13-Sep-2012	00:04:00		<0.1	<2	0.9	17.1	<1	373	
13-Sep-2012	00:05:00		<0.1	<2	0.9	17.1	<1	352	

Remarks





# FIELDWORK - Insitu Gas Monitoring - Instrument Record

Project BACTON LOW RISE, GOSPEL OAK, NORTH LONDON

Project No PC124991

Client ROLTON GROUP

Borehole BH7

Sheet No. 1 (2 of 2)

## Installation Details

Installation Type	Standpipe	Diameter	50mm
Depth to Base	5.00m	Cover Type	Flush lockable protective cover
Filter Zone	2.00 - 5.00m	Ground Level	42.10 m OD
Date Installed	15 August 2012		

Date	Time	Barometric Pressure (mBars)	Air Temp. (DegC)	Diff. Pressure (mBars)	Flow Rate (Peak/Stable) (l/hr)	Remarks
13-Sep-2012	00:00:00	1012	8.10	+3.31	-0.0	
13-Sep-2012	00:00:05					
13-Sep-2012	00:00:30					
13-Sep-2012	00:01:00					
13-Sep-2012	00:02:00					
13-Sep-2012	00:03:00					
13-Sep-2012	00:04:00					
13-Sep-2012	00:05:00					

Remarks



# FIELDWORK - Insitu Gas Monitoring - Instrument Record

Project BACTON LOW RISE, GOSPEL OAK, NORTH LONDON

Project No PC124991

Client ROLTON GROUP

Borehole BH9

Sheet No. 1 (1 of 2)

## Installation Details

Installation Type	Standpipe	Diameter	-
Depth to Base	5.00m	Cover Type	Flush lockable protective cover
Filter Zone	-	Ground Level	42.09 m OD
Date Installed	16 August 2012		

Date	Time	Depth to Water (m bgl)	Methane	Methane	Carbon Dioxide	Oxygen	Hydrogen Sulphide	Carbon Monoxide	Remarks
			CH4 (% VOL)	CH4 (% LEL)	CO2 (% VOL)	O2 (% VOL)	H2S (ppm)	CO (ppm)	
13-Sep-2012	00:00:00	4.76					<1	<1	
13-Sep-2012	00:00:05		<0.1	<2	<0.1	20.6			
13-Sep-2012	00:00:30		<0.1	<2	0.2	20.3			
13-Sep-2012	00:01:00		<0.1	<2	0.2	20.1			
13-Sep-2012	00:02:00		<0.1	<2	0.2	20.1			

Remarks

