ARCADIS Percussive Borehole Log

BH608

Project	Project No.	Ground Level (mAOD)	Start Date	Scale
Northstowe Phase 2	**UA008426-01**	**7.91**	**08/12/2016**	**1:50**
Client	Easting (OS mE)	Northing (OS mN)	End Date	
Homes and Communities Agency	**541483.61**	**266348.99**	**08/12/2016**	**Sheet 2 of 2**

SAMPLES		TESTS			Water Strikes	PROGRESS		STRATA		Depth (Thickness)	Level	Install/ Backfill
Depth	Type/ No.	Depth	Type/ No.	Results		Date Time	Casing Water	Description	Legend			
						08/12/2016 16:00	4.50			10.45	-2.54	

DRILLING TECHNIQUE			CHISELLING			WATER OBSERVATIONS						HOLE/CASING DIAMETER				WATER ADDED		
From	To	Type	Hard Strata From	Hard Strata To	Duration	Date/Time	Strike At	Time Elapsed	Rise To	Casing	Sealed	Hole Dia.	Depth	Casing Dia.	Depth	From	To	Volume (ltr)
0.00	1.20	Inspection Pit				08/12/2016 12:00	3.00	20	1.50	3.00	4.00	300	1.20	200	4.50	1.20	4.00	50
1.20	10.45	Cable Percussion										200	10.00					
												50	10.45					

Remarks

UT23 (6.00-6.45) - 100% recovery, 65 blows.
UT24 (9.00-9.45) - 100% recovery, 95 blows.

Termination Depth: 10.45m

ARCADIS Percussive Borehole Log

BH609

Project	Project No.	Ground Level (mAOD)	Start Date	Scale
Northstowe Phase 2	**UA008426-01**	**6.65**	**09/12/2016**	**1:50**
Client	**Easting (OS mE)**	**Northing (OS mN)**	**End Date**	
Homes and Communities Agency	**541584.31**	**266428.88**	**09/12/2016**	**Sheet 1 of 2**

SAMPLES Depth	SAMPLES Type/ No.	TESTS Depth	TESTS Type/ No.	TESTS Results	Water Strikes	PROGRESS Date Time	PROGRESS Casing Water	STRATA Description	STRATA Legend	Depth (Thickness)	Level	Install/ Backfill
0.10 - 0.30	B1					09/12/2016 09:00	0.00	Grass over firm, brown, slightly gravelly sandy CLAY with occasional roots and rootlets. Sand is fine to coarse. Gravel is sub-angular to sub-rounded, fine to coarse of sandstone and flint. [TOP SOIL]		(0.30)		
0.10 - 0.30	ES2									0.30	6.35	
0.30	D15							Firm , brown mottled grey, slightly gravelly sandy CLAY with frequent fine rootlets. Sand is fine to coarse. Gravel is sub-rounded to rounded, fine to medium of mixed lithologies.. [RIVER TERRACE DEPOSITS]		(0.60)		
0.30 - 0.80	B4									0.90	5.75	
0.40 - 0.60	ES3							Firm, orangish brown mottled light grey, slightly gravelly sandy CLAY with occasional orange sand lenses and peaty roots. Sand is fine to coarse. Gravel is sub-rounded to rounded, fine to medium of mixed lithologies. [RIVER TERRACE DEPOSITS]				
0.90	D16											
0.90 - 1.20	B5											
1.20	D17	1.20	SPT(S)	N=10 (1,2/2,2,3,3)								
1.20 - 1.70	B6											
										(2.90)		
2.50	D18											
2.50 - 3.00	B7											
3.00 - 3.45	UT18											
3.50	D19											
3.50 - 4.00	B8											
								Grey SILTSTONE. [KIMMERIDGE CLAY FORMATION]		3.80 (0.20)	2.85	
4.00	D20							Soft to firm, fissured, dark grey, slightly silty CLAY with occasional shell fragments (<10mm). [KIMMERIDGE CLAY FORMATION]		4.00	2.65	
4.50	D21	4.50	SPT(S)	N=12 (1,2/2,3,3,4)								
4.50 - 5.00	B9											
4.70 - 4.90	ES14											
5.50	D22											
5.50 - 6.00	B10											
6.00 - 6.45	UT19											
6.50	D23											
6.50 - 7.00	B11											
										(6.45)		
7.50	D24	7.50	SPT(S)	N=15 (2,2/3,3,4,5)								
7.50 - 8.00	B12											
8.50	D15											
8.50 - 9.00	B13											
9.00 - 9.45	UT20											
9.50	D16											
9.50 - 10.00	B14											
10.00	D17	10.00	SPT(S)	N=20 (2,3/4,4,5,7)								

Continued on next page

DRILLING TECHNIQUE From	To	Type
0.00	1.20	Inspection Pit
1.20	10.45	Cable Percussion

CHISELLING Hard Strata From	To	Duration
3.80	4.00	00:30

WATER OBSERVATIONS Date/Time	Strike At	Time Elapsed	Rise To	Casing	Sealed

HOLE/CASING DIAMETER Hole Dia.	Depth	Casing Dia.	Depth
300	1.20	200	4.50
200	10.00		
50	10.45		

WATER ADDED From	To	Volume (ltr)

Remarks

No groundwater encountered.
UT18 (3.00-3.45) - 100% recovery, 75 blows.
UT19 (6.00-6.45) - 100% recovery, 85 blows.
UT20 (9.00-9.45) - 100% recovery, 100 blows.

Termination Depth: 10.45m

HCL House
St Mellons
Business Park
Cardiff
CF3 0EY

Unless otherwise stated:
Depth (m), Diameter (mm), Time (hhmm), Thickness (m), Level (mOD).

Equipment Used: **Pilcon 2000**

Contractor: **Arcadis Consulting (UK) Ltd.**

Logged By: **VP**

Checked By: **AM**

ARCADIS Percussive Borehole Log

BH609

Project	Project No.	Ground Level (mAOD)	Start Date	Scale
Northstowe Phase 2	**UA008426-01**	**6.65**	**09/12/2016**	**1:50**
Client	Easting (OS mE)	Northing (OS mN)	End Date	
Homes and Communities Agency	**541584.31**	**266428.88**	**09/12/2016**	**Sheet 2 of 2**

SAMPLES		TESTS			Water Strikes	PROGRESS		STRATA		Depth (Thickness)	Level	Install/ Backfill
Depth	Type/ No.	Depth	Type/ No.	Results		Date Time	Casing Water	Description	Legend			
						09/12/2016 16:00	4.50			10.45	-3.80	

DRILLING TECHNIQUE			CHISELLING			WATER OBSERVATIONS						HOLE/CASING DIAMETER				WATER ADDED		
From	To	Type	Hard Strata From	Hard Strata To	Duration	Date/Time	Strike At	Time Elapsed	Rise To	Casing	Sealed	Hole Dia.	Depth	Casing Dia.	Depth	From	To	Volume (ltr)
0.00 1.20	1.20 10.45	Inspection Pit Cable Percussion	3.80	4.00	00:30							300 200 50	1.20 10.00 10.45	200	4.50			

Remarks

No groundwater encountered.
UT18 (3.00-3.45) - 100% recovery, 75 blows.
UT19 (6.00-6.45) - 100% recovery, 85 blows.
UT20 (9.00-9.45) - 100% recovery, 100 blows.

Termination Depth: 10.45m

HCL House
St Mellons
Business Park
Cardiff
CF3 0EY

Unless otherwise stated:
Depth (m), Diameter (mm), Time (hhmm), Thickness (m), Level (mOD).

Equipment Used: **Pilcon 2000**

Contractor: **Arcadis Consulting (UK) Ltd.**

Logged By: **VP**

Checked By: **AM**

ARCADIS Percussive Borehole Log

BH610

Project	Project No.	Ground Level (mAOD)	Start Date	Scale
Northstowe Phase 2	**UA008426-01**		**12/12/2016**	**1:50**
Client	**Easting (OS mE)**	**Northing (OS mN)**	**End Date**	
Homes and Communities Agency	**541208.04**	**266819.00**	**12/12/2016**	**Sheet 1 of 2**

SAMPLES Depth	SAMPLES Type/ No.	TESTS Depth	TESTS Type/ No.	TESTS Results	Water Strikes	PROGRESS Date Time	PROGRESS Casing Water	STRATA Description	STRATA Legend	Depth (Thickness)	Level	Install/ Backfill
0.10	B4					12/12/2016 11:30		MADE GROUND: Grass over brown CLAY with occasional roots and rootlets.		0.05		
0.10 - 0.30	ES1							MADE GROUND: Soft to firm, orangish brown mottled grey, slightly sandy slightly gravelly CLAY with occasional roots and rootlets. Sand is fine to coarse. Gravel is sub-angular to sub-rounded, fine to coarse of flint, brick and mudstone.		(1.45)		
		1.20	SPT(C)	N=9 (2,2/2,2,3,2)								
1.50	B5							Firm, bluish grey, slightly gravelly silty CLAY. Gravel is sub-angular to rounded, fine to coarse of weak mudstone. [KIMMERIDGE CLAY FORMATION]		1.50		
1.50 - 1.70	ES2											
2.00	B7	2.00	SPT(S)	N=12 (2,2/3,3,3,3)								
2.00 - 2.45	D6									(2.00)		
3.00	B9											
3.00 - 3.20	ES3											
3.00 - 3.45	UT8											
3.45	D10											
								Grey SILTSTONE. [KIMMERIDGE CLAY FORMATION]		3.50 (0.20) 3.70		
								Firm, bluish grey, slightly gravelly silty CLAY. Gravel is sub-angular to rounded, fine to coarse of weak mudstone. [KIMMERIDGE CLAY FORMATION]		3.80 3.90		
4.00	B12	4.00	SPT(S)	N=27 (4,5/7,9,7,4)								
4.00 - 4.45	D11							Grey SILTSTONE. [KIMMERIDGE CLAY FORMATION]				
								Firm to stiff, bluish grey, slightly gravelly silty CLAY. Gravel is sub-angular to rounded, fine to coarse of weak mudstone. [KIMMERIDGE CLAY FORMATION]		(1.30)		
5.00 - 5.45	UT13											
								Stiff, dark grey CLAY. [KIMMERIDGE CLAY FORMATION]		5.20		
5.45	D14											
5.50	B15											
6.50	D16	6.50	SPT(S)	N=19 (3,4/4,4,5,6)								
7.00	B17									(5.25)		
8.00 - 8.45	UT18											
8.45	D19											
8.50	B20											
10.00 - 10.45	D21	10.00	SPT(S)	N=22 (4,4/5,5,6,6)								

Continued on next page

DRILLING TECHNIQUE From	To	Type	CHISELLING Hard Strata From	To	Duration	WATER OBSERVATIONS Date/Time	Strike At	Time Elapsed	Rise To	Casing	Sealed	HOLE/CASING DIAMETER Hole Dia.	Depth	Casing Dia.	Depth	WATER ADDED From	To	Volume (ltr)
0.00	1.20	Inspection Pit	3.50	3.70	00:40							300	1.20	200	1.65			
1.20	10.45	Cable Percussion	3.80	3.90	00:25							200	10.00					
												50	10.45					

Remarks

No groundwater encountered.
UT8 (3.00-3.45) - 100% recovery, 71 blows.
UT13 (5.00-5.45) - 100% recovery, 42 blows.
UT18 (8.00-8.45) - 100% recovery, 53 blows).

Termination Depth: 10.45m

HCL House
St Mellons
Business Park
Cardiff
CF3 0EY

Unless otherwise stated:
Depth (m), Diameter (mm), Time (hhmm), Thickness (m), Level (mOD).

Equipment Used: **Dando 2000**

Contractor: **Arcadis Consulting (UK) Ltd.**

Logged By: **SC**

Checked By: **AM**

ARCADIS Percussive Borehole Log

BH610

Project	Project No.	Ground Level (mAOD)	Start Date	Scale
Northstowe Phase 2	**UA008426-01**		**12/12/2016**	**1:50**
Client	**Easting (OS mE)**	**Northing (OS mN)**	**End Date**	
Homes and Communities Agency	**541208.04**	**266819.00**	**12/12/2016**	**Sheet 2 of 2**

SAMPLES		TESTS			Water Strikes	PROGRESS		STRATA		Depth (Thickness)	Level	Install/ Backfill
Depth	Type/ No.	Depth	Type/ No.	Results		Date Time	Casing Water	Description	Legend			
						12/12/2016 16:00	1.65			10.45		

DRILLING TECHNIQUE			CHISELLING			WATER OBSERVATIONS						HOLE/CASING DIAMETER				WATER ADDED		
From	To	Type	Hard Strata From	Hard Strata To	Duration	Date/Time	Strike At	Time Elapsed	Rise To	Casing	Sealed	Hole Dia.	Depth	Casing Dia.	Depth	From	To	Volume (ltr)
0.00	1.20	Inspection Pit	3.50	3.70	00:40							300	1.20	200	1.65			
1.20	10.45	Cable Percussion	3.80	3.90	00:25							200	10.00					
												50	10.45					

Remarks

No groundwater encountered.
UT8 (3.00-3.45) - 100% recovery, 71 blows.
UT13 (5.00-5.45) - 100% recovery, 42 blows.
UT18 (8.00-8.45) - 100% recovery, 53 blows).

Termination Depth: 10.45m

HCL House
St Mellons
Business Park
Cardiff
CF3 0EY

Unless otherwise stated:
Depth (m), Diameter (mm), Time (hhmm), Thickness (m), Level (mOD).

Equipment Used: **Dando 2000**

Contractor: **Arcadis Consulting (UK) Ltd.**

Logged By: **SC**

Checked By: **AM**

ARCADIS Percussive Borehole Log

BH611

Project	Project No.	Ground Level (mAOD)	Start Date	Scale
Northstowe Phase 2	**UA008426-01**	**6.34**	**07/12/2016**	**1:50**
Client	**Easting (OS mE)**	**Northing (OS mN)**	**End Date**	
Homes and Communities Agency	**541588.67**	**266647.16**	**07/12/2016**	**Sheet 1 of 2**

SAMPLES Depth	SAMPLES Type/ No.	TESTS Depth	TESTS Type/ No.	TESTS Results	Water Strikes	PROGRESS Date Time	PROGRESS Casing Water	STRATA Description	STRATA Legend	Depth (Thickness)	Level	Install/ Backfill
0.00 - 1.20	B5					07/12/2016 10:00	0.00	MADE GROUND: Grass over soft, brown CLAY with frequent roots and rootlets.		(0.20) 0.20	6.14	
0.30 - 0.50	ES1							MADE GROUND: Soft, brown, slightly sandy slightly gravelly CLAY with frequent roots and rootlets. Sand is fine to coarse. Gravel is sub-angular to sub-rounded, fine to coarse of flint.		(0.40) 0.60	5.74	
								Firm, yellowish brown, slightly sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is sub-angular to sub-rounded, fine to coarse of flint. [RIVER TERRACE DEPOSITS]				
1.20	D6	1.20	SPT(S)	N=15 (3,3/4,4,3,4)						(1.20)		
1.50 - 2.00	B7											
1.60 - 1.80	ES2									1.80	4.54	
2.00 - 3.00	B8							Loose, yellowish brown, gravelly fine to coarse SAND. Gravel is sub-angular to sub-rounded, fine to coarse of flint. [RIVER TERRACE DEPOSITS]		1.90	4.44	
								Soft, grey mottled orangish brown, slightly sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is sub-angular to sub-rounded, fine to coarse of flint. [RIVER TERRACE DEPOSITS]				
2.80 - 3.00	ES3											
3.00	D9	3.00	SPT(S)	N=5 (1,2/2,1,1,1)						(2.10)		
3.00 - 4.00	B10											
4.00 - 4.50	B11									4.00	2.34	
4.30 - 4.40	ES4							Medium dense, yellowish brown, very sandy GRAVEL. Sand is fine to coarse. Gravel is sub-angular to sub-rounded, fine to coarse of flint. [RIVER TERRACE DEPOSITS]				
4.50	D12	4.50	SPT(C)	N=28 (7,7/6,6,7,9)						(0.90)		
4.50 - 4.90	B13											
5.00 - 6.00	B14							Soft to firm, fissured, blueish grey, slightly silty CLAY with occasional shells and shell fragments. [KIMMERIDGE CLAY FORMATION]		4.90	1.44	
6.00 - 6.45	UT22											
6.45	D15											
6.50 - 7.50	B16											
7.50	D17	7.50	SPT(S)	N=9 (2,3/2,2,2,3)						(5.55)		
8.00 - 9.00	B18											
9.00 - 9.45	UT23											
9.45	D19											
9.45 - 10.00	B20											
10.00	D21	10.00	SPT(S)	N=19 (3,4/4,4,5,6)								

Continued on next page

DRILLING TECHNIQUE From	To	Type
0.00	1.20	Inspection Pit
1.20	10.45	Cable Percussion

CHISELLING Hard Strata From	To	Duration

WATER OBSERVATIONS Date/Time	Strike At	Time Elapsed	Rise To	Casing	Sealed
07/12/2016 13:00	3.00	20	2.00	3.00	5.50
07/12/2016 14:00	4.00	20	2.00	4.00	5.50

HOLE/CASING DIAMETER Hole Dia.	Depth	Casing Dia.	Depth
300	1.20	200	5.50
200	10.00		
50	10.45		

WATER ADDED From	To	Volume (ltr)

Remarks

UT22 (6.00-6.45) - 100% recovery, 65 blows.
UT23 (9.00-9.45) - 100% recovery, 100 blows.

Termination Depth: 10.45m

HCL House
St Mellons
Business Park
Cardiff
CF3 0EY

Unless otherwise stated:
Depth (m), Diameter (mm), Time (hhmm), Thickness (m), Level (mOD).

Equipment Used	Contractor	Logged By	Checked By
Dando 2000	**Arcadis Consulting (UK) Ltd.**	**SC**	**AM**

ARCADIS Percussive Borehole Log

BH611

Project	Project No.	Ground Level (mAOD)	Start Date	Scale
Northstowe Phase 2	**UA008426-01**	**6.34**	**07/12/2016**	**1:50**
Client	Easting (OS mE)	Northing (OS mN)	End Date	
Homes and Communities Agency	**541588.67**	**266647.16**	**07/12/2016**	**Sheet 2 of 2**

SAMPLES		TESTS			Water Strikes	PROGRESS		STRATA		Depth (Thickness)	Level	Install/ Backfill
Depth	Type/ No.	Depth	Type/ No.	Results		Date Time	Casing Water	Description	Legend			
						07/12/2016 16:00	5.50			10.45	-4.11	

DRILLING TECHNIQUE			CHISELLING			WATER OBSERVATIONS						HOLE/CASING DIAMETER				WATER ADDED		
From	To	Type	Hard Strata From	Hard Strata To	Duration	Date/Time	Strike At	Time Elapsed	Rise To	Casing	Sealed	Hole Dia.	Depth	Casing Dia.	Depth	From	To	Volume (ltr)
0.00	1.20	Inspection Pit				07/12/2016 13:00	3.00	20	2.00	3.00	5.50	300	1.20	200	5.50			
1.20	10.45	Cable Percussion				07/12/2016 14:00	4.00	20	2.00	4.00	5.50	200	10.00					
												50	10.45					

Remarks

UT22 (6.00-6.45) - 100% recovery, 65 blows.
UT23 (9.00-9.45) - 100% recovery, 100 blows.

Termination Depth: 10.45m

HCL House
St Mellons
Business Park
Cardiff
CF3 0EY

Unless otherwise stated:
Depth (m), Diameter (mm), Time (hhmm), Thickness (m), Level (mOD).

Equipment Used	Contractor	Logged By	Checked By
Dando 2000	**Arcadis Consulting (UK) Ltd.**	**SC**	**AM**

ARCADIS Percussive Borehole Log

BH613

Project	Project No.	Ground Level (mAOD)	Start Date	Scale
Northstowe Phase 2	**UA008426-01**	**6.66**	**07/12/2016**	**1:50**
Client	Easting (OS mE)	Northing (OS mN)	End Date	
Homes and Communities Agency	**541102.13**	**267131.34**	**07/12/2016**	**Sheet 1 of 1**

SAMPLES Depth	SAMPLES Type/ No.	TESTS Depth	TESTS Type/ No.	TESTS Results	Water Strikes	PROGRESS Date Time	PROGRESS Casing Water	STRATA Description	Legend	Depth (Thickness)	Level	Install/ Backfill
0.10 - 0.20	B1					07/12/2016 09:00	0.00	Grass over soft, brown, slightly silty gravelly CLAY with frequent rootlets. Gravel is sub-angular to sub-rounded, fine to coarse of mixed lithologies. [TOPSOIL]		(0.20) 0.20	6.46	
0.10 - 0.20	ES2							Firm to stiff, brown mottled grey, slightly sandy slightly gravelly CLAY. Sand is fine to coarse. Gravel is sub-angular to sub-rounded, fine to coarse of mixed lithologies. [RIVER TERRACE DEPOSITS]				
0.20 - 0.70	B3											
0.30	D16											
0.30 - 0.40	ES4											
1.00	D17											
1.00 - 1.50	B5											
1.20	D18											
		1.50	SPT(S)	N=19 (2,2/3,5,5,6)								
2.00	D19									(3.50)		
2.00 - 2.50	B7											
3.00	D20	3.00	SPT(S)	N=24 (3,3/6,6,6,6)								
3.00 - 3.45	UT32											
3.00 - 3.50	B8											
3.50	D21											
3.70	D22							Grey SILTSTONE. [KIMMERIDGE CLAY FORMATION]		3.70 (0.20)	2.96	
4.00	D23							Soft, grey mottled brown, silty CLAY with pockets (1cm) of orange sand and occasional angular gravel of siltstone (1cm x 2xcm x 0.5cm). [KIMMERIDGE CLAY FORMATION]		3.90	2.76	
4.00 - 4.10	ES6											
4.00 - 4.50	B9									(1.30)		
5.00	D24											
5.00 - 5.50	B10											
5.30 - 5.40	ES15							Grey SILTSTONE. [KIMMERIDGE CLAY FORMATION]		5.20 (0.20)	1.46	
5.40	D25							Stiff to very stiff, dark grey, silty CLAY with occasional angular gravel of siltstone. [KIMMERIDGE CLAY FORMATION]		5.40	1.26	
6.00	D26											
6.00 - 6.45	UT33											
6.00 - 6.50	B11											
6.50	D27											
7.00	D28											
7.00 - 7.50	B12											
		7.50	SPT(S)	N=34 (4,5/6,8,10,10)						(4.60)		
8.00	D29											
8.00 - 8.50	B13											
9.00	D30											
9.00 - 9.50	B14											
9.50 - 9.95	UT34											
10.00	D31					07/12/2016 16:00	1.50			10.00	-3.34	

DRILLING TECHNIQUE

From	To	Type
0.00	1.20	Inspection Pit
1.20	10.00	Cable Percussion

CHISELLING

Hard Strata From	Hard Strata To	Duration
3.70	3.90	00:30
5.20	5.40	00:30

WATER OBSERVATIONS

Date/Time	Strike At	Time Elapsed	Rise To	Casing	Sealed

HOLE/CASING DIAMETER

Hole Dia.	Depth	Casing Dia.	Depth
300	1.20	200	1.50
200	10.00		

WATER ADDED

From	To	Volume (ltr)

Remarks

No groundwater encountered.
Gas monitoring point installed at 3.00m bgl.

Termination Depth: 10.00m

HCL House
St Mellons
Business Park
Cardiff
CF3 0EY

Unless otherwise stated:
Depth (m), Diameter (mm), Time (hhmm), Thickness (m), Level (mOD).

Equipment Used: **Dando 2000**

Contractor: **Arcadis Consulting (UK) Ltd.**

Logged By: **VP**

Checked By: **AM**

APPENDIX C

Groundwater Data

Groundwater and Ground Gas Monitoring Form

VISIT 1

Site Name	Northstowe
Client	Gallagher Estates
Job No.	12170626/002
Date	01/02/06 - 03/02/06
Start Time	
End Time	

Operator	LF/CW
Pressure at Start mB	1028
Pressure at End mB	1028
Weather Conditions	Cloudy/Cold/Dry
Temperature oC	

Equipment	Serial No.	Calibrated
Gas Analyser	GA2000	Yes
Dipmeter	30m	N/A
Interface Probe		
PID		

	Borehole	Response Zone (m)		Gas Flow (l/hr)		Borehole Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gasses (ppmV)			Depth to Water	Depth to Base	Thickness of product	Sampled?
		Top	Bottom	Initial	Steady	(mB)	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	(m)	(m)	(mm)	(Y/N)
1	BHA1	1.00	7.00	0.2	0.2	-	0	0	0.7	0.7	17.4	17.8		-	-	1.24	5.81		
2	BHA2	1.00	7.00	0.1	0.1	-	0	0	0.9	0.9	15.3	16.5		-	-	4.79	6.75		
3	BHA3	1.00	7.00	0.2	0.2	-	0	0	0.8	0.2	16.9	18.6		-	-	0.80	5.24		
4	BHA6	1.00	5.00																
5	BHA7	1.00	3.70																
6	BHA10	0.80	7.00																
7	BHA12	1.00	7.00																
8	BHA13	3.50	7.00																
9	BHA13	1.00	3.00																
10	BHA14	1.00	7.00																
11	BHA15	2.00	7.00																
12	BHA16	1.00	7.00																
13	BHA17	1.50	7.00																
14	BHA18	1.00	7.00																
15	BHA19	4.00	7.00																
16	BHA19	0.70	6.50																

COMMENTS & GROUND CONDITIONS:

Groundwater and Ground Gas Monitoring Form

VISIT 1

Site Name	Northstowe
Client	Gallagher Estates
Job No.	12170626/002
Date	01/02/06 - 03/02/06
Start Time	
End Time	

Operator	LF/CW
Pressure at Start mB	1028
Pressure at End mB	1028
Weather Conditions	Cloudy/Cold/Dry
Temperature oC	

Equipment	Serial No.	Calibrated
Gas Analyser	GA2000	Yes
Dipmeter	30m	N/A
Interface Probe		
PID		

	Borehole	Response Zone (m)		Gas Flow (l/hr)		Borehole Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gasses (ppmV)			Depth to Water	Depth to Base	Thickness of product	Sampled?
		Top	Bottom	Initial	Steady	(mB)	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	(m)	(m)	(mm)	(Y/N)
1	BHA33	0.70	6.70																
2	WSA4	1.00	4.00	0	0	-	0	0	1.4	1.4	18.7	18.9		-	-	1.30	-		
3	BH1	1.00	5.00																
4	BH9	1.00	5.00																
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			
16																			

COMMENTS & GROUND CONDITIONS:

Groundwater and Ground Gas Monitoring Form

VISIT 2

Site Name	Northstowe
Client	Gallagher Estates
Job No.	12170626/002
Date	13./11/2006 - 20/11/2006
Start Time	
End Time	

Operator	RC/LF/CW
Pressure at Start mB	1007
Pressure at End mB	986
Weather Conditions	Overcast/Drizzle
Temperature oC	

Equipment	Serial No.	Calibrated
Gas Analyser	GA2000	Yes
Dipmeter	30m	N/A
Interface Probe		
PID		

	Borehole	Response Zone (m)		Gas Flow (l/hr)		Borehole Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gasses (ppmV)			Depth to Water	Depth to Base	Thickness of product	Sampled?
		Top	Bottom	Initial	Steady	(mB)	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	(m)	(m)	(mm)	(Y/N)
1	BHA33	0.70	6.70																
2	WSA4	1.00	4.00	-	-0.07	-	0	0	2.1	2	18.3	17.9		-	-	-	-		
3	BH1	1.00	5.00	0	0	-	0	0	3.9	4.1	15.4	16.5		-	-	2.03	2.67		
4	BH9	1.00	5.00																
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			
16																			

COMMENTS & GROUND CONDITIONS:

Groundwater and Ground Gas Monitoring Form

VISIT 3

Site Name	Northstowe
Client	Gallagher Estates
Job No.	12170626/002
Date	29/01/2007 - 01/02/2007
Start Time	
End Time	

Operator	RC/LF/CW
Pressure at Start mB	1026
Pressure at End mB	1025
Weather Conditions	Sunny/Dry/Cool/Windy
Temperature oC	

Equipment	Serial No.	Calibrated
Gas Analyser	GA2000	Yes
Dipmeter	30m	N/A
Interface Probe		
PID		

	Borehole	Response Zone (m)		Gas Flow (l/hr)		Borehole Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gasses (ppmV)			Depth to Water	Depth to Base	Thickness of product	Sampled?
		Top	Bottom	Initial	Steady	(mB)	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	(m)	(m)	(mm)	(Y/N)
1	BHA33	0.70	6.70																
2	WSA4	1.00	4.00																
3	BH1	1.00	5.00	0	0	-	0	0	0.1	0.1	21.2	21.2		-	-	1.33	2.62		
4	BH9	1.00	5.00	-0.1	-0.1	-	0	0	0.4	0.4	21.1	21.4		-	-	0.76	4.95		
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			
16																			

COMMENTS & GROUND CONDITIONS:

Groundwater and Ground Gas Monitoring Form

VISIT 4

Site Name	Northstowe
Client	Gallagher Estates
Job No.	12170626/002
Date	19/02/2007 - 21/02/2007
Start Time	
End Time	

Operator	RC/LF/CW
Pressure at Start mB	1009
Pressure at End mB	1000
Weather Conditions	Wet/Drizzle
Temperature oC	

Equipment	Serial No.	Calibrated
Gas Analyser	GA2000	Yes
Dipmeter	30m	N/A
Interface Probe		
PID		

	Borehole	Response Zone (m)		Gas Flow (l/hr)		Borehole Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gasses (ppmV)			Depth to Water	Depth to Base	Thickness of product	Sampled?
		Top	Bottom	Initial	Steady	(mB)	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	(m)	(m)	(mm)	(Y/N)
1	BHA33	0.70	6.70																
2	WSA4	1.00	4.00	0.1	0.1	-	0	0	1.4	1	18	20		-	-	1.11	2.13		
3	BH1	1.00	5.00	0.6	0.6	-	0	0	1.5	1.5	18.9	19.2		-	-	1.21	2.67		
4	BH9	1.00	5.00	-	-	-	-	-	-	-	-	-		-	-	0.52	4.97		
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			
16																			

COMMENTS & GROUND CONDITIONS:

Groundwater and Ground Gas Monitoring Form

VISIT 5

Site Name	Northstowe
Client	Gallagher Estates
Job No.	12170626/002
Date	28/03/2007 - 29/03/2007
Start Time	
End Time	

Operator	RC & CW
Pressure at Start mB	1014
Pressure at End mB	1009
Weather Conditions	Wet/Foggy
Temperature oC	

Equipment	Serial No.	Calibrated
Gas Analyser	GA2000	Yes
Dipmeter	30m	N/A
Interface Probe		
PID		

	Borehole	Response Zone (m)		Gas Flow (l/hr)		Borehole Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gasses (ppmV)			Depth to Water	Depth to Base	Thickness of product	Sampled?
		Top	Bottom	Initial	Steady	(mB)	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	(m)	(m)	(mm)	(Y/N)
1	BHA33	0.70	6.70																
2	WSA4	1.00	4.00	-0.4	-0.4	-	0	0.1	1	0.2	20.5	21.2		-	-				
3	BH1	1.00	5.00	-0.1	-0.1	-	0	0	0.5	0.6	20.7	20.8		-	-	1.27	-		
4	BH9	1.00	5.00	-0.4	-0.4	-	0	0.1	0.5	0.4	20.6	20.9		-	-	0.90	-		
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			
16																			

COMMENTS & GROUND CONDITIONS:

Groundwater and Ground Gas Monitoring Form

VISIT 6

Site Name	Northstowe
Client	Gallagher Estates
Job No.	12170626/002
Date	17/04/2007 - 19/04/2007
Start Time	
End Time	

Operator	RC & CW
Pressure at Start mB	1021
Pressure at End mB	1014
Weather Conditions	Dry/Sunny/Slight Wind
Temperature oC	

Equipment	Serial No.	Calibrated
Gas Analyser	GA2000	Yes
Dipmeter	30m	N/A
Interface Probe		
PID		

	Borehole	Response Zone (m)		Gas Flow (l/hr)		Borehole Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gasses (ppmV)			Depth to Water	Depth to Base	Thickness of product	Sampled?
		Top	Bottom	Initial	Steady	(mB)	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	(m)	(m)	(mm)	(Y/N)
1	BHA33	0.70	6.70																
2	WSA4	1.00	4.00	0.1	0.1	-	0	0	0	0	21	21		-	-	-	-		
3	BH1	1.00	5.00	-0.2	-0.2	-	0	0	2.1	2.1	18.6	18.8		-	-	1.43	-		
4	BH9	1.00	5.00	0	0	-	0	0	0.6	0.7	19.2	19.4		-	-	3.78	-		
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			
16																			

COMMENTS & GROUND CONDITIONS:

Groundwater and Ground Gas Monitoring Form

VISIT 7

Site Name	Northstowe
Client	Gallagher Estates
Job No.	12170626/002
Date	22/05/2007 - 29/05/2007
Start Time	
End Time	

Operator	RC/CW
Pressure at Start mB	1020
Pressure at End mB	1000
Weather Conditions	Sunny/Dry/Windy to Heavy Rainfall
Temperature oC	

Equipment	Serial No.	Calibrated
Gas Analyser	GA2000	Yes
Dipmeter	30m	N/A
Interface Probe		
PID		

	Borehole	Response Zone (m)		Gas Flow (l/hr)		Borehole Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gasses (ppmV)			Depth to Water	Depth to Base	Thickness of product	Sampled?
		Top	Bottom	Initial	Steady	(mB)	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	(m)	(m)	(mm)	(Y/N)
1	BHA33	0.70	6.70																
2	WSA4	1.00	4.00	0.0	0.0	-	0	0	0	0	20.0	20.3		-	-	-			
3	BH1	1.00	5.00	0	0	-	0	0	1.8	2	16.6	16.9		-	-	1.60			
4	BH9	1.00	5.00	0	0	-	0	0	0.7	1	17.2	18.1		-	-	3.64			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			
16																			

COMMENTS & GROUND CONDITIONS:

Groundwater and Ground Gas Monitoring Form

VISIT 8

Site Name	Northstowe
Client	Gallagher Estates
Job No.	12170626/002
Date	18/06/2007 - 22/06/2007
Start Time	
End Time	

Operator	RC/AM/CW
Pressure at Start mB	1005
Pressure at End mB	1004
Weather Conditions	Dry/Sunny/Windy
Temperature oC	

Equipment	Serial No.	Calibrated
Gas Analyser	GA2000	Yes
Dipmeter	30m	N/A
Interface Probe		
PID		

	Borehole	Response Zone (m)		Gas Flow (l/hr)		Borehole Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gasses (ppmV)			Depth to Water	Depth to Base	Thickness of product	Sampled?
		Top	Bottom	Initial	Steady	(mB)	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	(m)	(m)	(mm)	(Y/N)
1	BHA33	0.70	6.70																
2	WSA4	1.00	4.00																
3	BH1	1.00	5.00	0.0	0.0	-	0	0	3.7	3.8	16.2	16.0		-	-	1.5	2.63		
4	BH9	1.00	5.00	0.0	0.0	-	0	0	1.9	1.9	15	15.8		-	-	1.93	5.0		
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			
16																			

COMMENTS & GROUND CONDITIONS:

Groundwater and Ground Gas Monitoring Form

VISIT 9

Site Name	Northstowe
Client	Gallagher Estates
Job No.	12170626/002
Date	23/07/2007 - 26/07/2007
Start Time	
End Time	

Operator	AM/SS/CW
Pressure at Start mB	1010
Pressure at End mB	1006
Weather Conditions	dry,overcast,lightbreeze
Temperature oC	

Equipment	Serial No.	Calibrated
Gas Analyser	GA2000	Yes
Dipmeter	30m	N/A
Interface Probe		
PID		

	Borehole	Response Zone (m)		Gas Flow (l/hr)		Borehole Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gasses (ppmV)			Depth to Water	Depth to Base	Thickness of product	Sampled?
		Top	Bottom	Initial	Steady	(mB)	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	(m)	(m)	(mm)	(Y/N)
1	BHA32	0.70	6.70	0.2	0.0	-59	0	0	5.6	5.9	14.0	13.3		0	3	1.45	6.80		
2	WSA4	1.00	4.00	0.0	0.1	-12	0	0	0.1	0.0	19.5	20.5		0	4	-	-		
3	BH1	1.00	5.00	0.1	0.1	-9	0	0	0.3	5.5	19.0	15.8		0	0	1.61	2.62		
4	BH9	1.00	5.00	0.0	0.0	4	0.1	0.1	2.8	3.6	16.2	14.1		0	0	1.95	5.01		
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			
16																			

COMMENTS & GROUND CONDITIONS:

Groundwater and Ground Gas Monitoring Form

VISIT 10

Site Name	Northstowe
Client	Gallagher Estates
Job No.	12170626/002
Date	13/08/2007 - 15/08/2007
Start Time	
End Time	

Operator	AM/SS/RC/CW
Pressure at Start mB	1006
Pressure at End mB	981
Weather Conditions	Dry/Overcast/Windy
Temperature oC	

Equipment	Serial No.	Calibrated
Gas Analyser	GA2000	Yes
Dipmeter	30m	N/A
Interface Probe		
PID		

	Borehole	Response Zone (m)		Gas Flow (l/hr)		Borehole Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gasses (ppmV)			Depth to Water	Depth to Base	Thickness of product	Sampled?
		Top	Bottom	Initial	Steady	(mB)	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	(m)	(m)	(mm)	(Y/N)
1	BHA33	0.70	6.70	-0.1	-0.1	4	0	0	0.4	0.3	20.1	20.3		0	1	1.56	6.71		
2	WSA4	1.00	4.00	0.0	0.0	4	0	-	0	-	20.0	-		0	0	-	-		
3	BH1	1.00	5.00	-0.1	0.0	0	0	0	3.9	4.4	18.9	17.9		0	0	1.70	2.57		
4	BH9	1.00	5.00	0.0	0.0	4	0	0	1.5	2	19.3	19.1		0	3	2.01	4.92		
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			
16																			

COMMENTS & GROUND CONDITIONS:

Groundwater and Ground Gas Monitoring Form

VISIT 11

Site Name	Northstowe
Client	Gallagher Estates
Job No.	12170626/002
Date	03/09/2007 - 05/09/2007
Start Time	
End Time	

Operator	AM/SS
Pressure at Start mB	1026
Pressure at End mB	1014
Weather Conditions	Warm, dry, overcast
Temperature oC	16.5

Equipment	Serial No.	Calibrated
Gas Analyser	GA2000	Yes
Dipmeter	30m	N/A
Interface Probe		
PID		

	Borehole	Response Zone (m)		Gas Flow (l/hr)		Borehole Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gasses (ppmV)			Depth to Water	Depth to Base	Thickness of product	Sampled?
		Top	Bottom	Initial	Steady	(mB)	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	(m)	(m)	(mm)	(Y/N)
1	BHA33	0.70	6.70	0.1	0.1	5	0	0	0.9	0.6	19.8	20.1		0	0	0.99	6.74		
2	WSA4	1.00	4.00																
3	BH1	1.00	5.00	0.0	0.0	9	0	0	3.7	3.9	16.2	16.0		0	3	1.76	2.62	1	
4	BH9	1.00	5.00	0.1	0.0	5	0	0	1.9	2.1	19.0	18.4		0	0	2.09	5.02	-	
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			
16																			

COMMENTS & GROUND CONDITIONS:

Groundwater and Ground Gas Monitoring Form

VISIT 12

Site Name	Northstowe
Client	Gallagher Estates
Job No.	12170626/002
Date	23/10/2007 - 25/10/2007
Start Time	
End Time	

Operator	RLC/CP/AS
Pressure at Start mB	1030
Pressure at End mB	1020
Weather Conditions	Foggy start to Dry/Cool/Light Breeze
Temperature oC	

Equipment	Serial No.	Calibrated
Gas Analyser	GA2000	Yes
Dipmeter	30m	N/A
Interface Probe		
PID		

	Borehole	Response Zone (m)		Gas Flow (l/hr)		Borehole Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gasses (ppmV)			Depth to Water	Depth to Base	Thickness of product	Sampled?
		Top	Bottom	Initial	Steady	(mB)	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	(m)	(m)	(mm)	(Y/N)
1	BHA33	3.50	7.00	0.1	0.1	0	0	0	0.5	0.2	20.5	20.6		0	1	1.46	-		
2	WSA4	1.00	3.00																
3	BH1	1.00	5.00														-		
4	BH9	1.00	5.00	0.5	0.4	1	0	0	0.5	0.3	20.4	20.3		0	0	0.46			
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			
16																			

COMMENTS & GROUND CONDITIONS:

Groundwater and Ground Gas Monitoring Form

VISIT 13

Site Name	Northstowe
Client	Gallagher Estates
Job No.	12170626/002
Date	20-21.11.07
Start Time	10.00 am
End Time	

Operator	Phil Webb
Pressure at Start mB	1006
Pressure at End mB	1007
Weather Conditions	Rained night before, damp
Temperature oC	

Equipment	Serial No.	Calibrated
Gas Analyser	GA2000	Yes
Dipmeter		
Interface Probe		
PID		

	Borehole	Response Zone (m)		Gas Flow (l/hr)		Borehole Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gasses (ppmV)			Depth to Water	Depth to Base	Thickness of product	Sampled?
		Top	Bottom	Initial	Steady	(mB)	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	(m)	(m)	(mm)	(Y/N)
1	BHA33			+0.2	0.0	4	0	0	2.7	2.7	19.2	19.3		0	4	1.72	2.66		
2	WSA4																		
3	BH1			+0.2	0	+3.54	0	0	2.7	2.7	19.2	19.3		0	4	1.721	2.66		
4	BH9																		
5	BHA33			+0.2	-0.4	+0.04	0	0	0	0.1	20.4	20.0		0	3	1.575	6.66		
6	DH24			+0.1	0.0	=0.01	0	0	0.1	1.5	20.3	19.4		0	0	0.318	6.45		
7																			
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			
16																			

COMMENTS & GROUND CONDITIONS:

Groundwater and Ground Gas Monitoring Form

VISIT 2

Site Name	Northstowe
Client	Gallagher Estates
Job No.	12170626/002
Date	13/11/2006 - 20/11/2006
Start Time	
End Time	

Operator	RC/LF/CW
Pressure at Start mB	1007
Pressure at End mB	986
Weather Conditions	Overcast/Drizzle
Temperature oC	

Equipment	Serial No.	Calibrated
Gas Analyser	GA2000	Yes
Dipmeter	30m	N/A
Interface Probe		
PID		

	Borehole	Response Zone (m)		Gas Flow (l/hr)		Borehole Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gasses (ppmV)			Depth to Water	Depth to Base	Thickness of product	Sampled?
		Top	Bottom	Initial	Steady	(mB)	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	(m)	(m)	(mm)	(Y/N)
1	BHA1	1.00	7.00	0	0	-	0	0	1.6	1.6	18.2	18.3		-	-	1.54	4.18		
2	BHA2	1.00	7.00	0	0	-	0	0	2.1	2.1	18	18.2		-	-	1.75	6.70		
3	BHA3	1.00	7.00	0	0	-	0	0	2.5	2.4	14.7	16.7		-	-	1.14	4.93		
4	BHA6	1.00	5.00	0	0	-	0	0	2.6	2	15.9	16.7		-	-	0.65	4.56		
5	BHA7	1.00	3.70	0	0	-	0	0	2.7	0.3	17.8	19.5		-	-	1.15	3.78		
6	BHA10	0.80	7.00																
7	BHA12	1.00	7.00	0	0	-	0	0	1.5	1.5	12	10.5		-	-	1.93	7.12		
8	BHA13	3.50	7.00																
9	BHA13	1.00	3.00																
10	BHA14	1.00	7.00																
11	BHA15	2.00	7.00																
12	BHA16	1.00	7.00																
13	BHA17	1.50	7.00																
14	BHA18	1.00	7.00																
15	BHA19	4.00	7.00																
16	BHA19	0.70	6.50																

COMMENTS & GROUND CONDITIONS:

Groundwater and Ground Gas Monitoring Form

VISIT 3

Site Name	Northstowe
Client	Gallagher Estates
Job No.	12170626/002
Date	29/01/2007 - 01/02/2007
Start Time	
End Time	

Operator	RC/LF/CW
Pressure at Start mB	1026
Pressure at End mB	1025
Weather Conditions	Sunny/Dry/Cool/Windy
Temperature oC	

Equipment	Serial No.	Calibrated
Gas Analyser	GA2000	Yes
Dipmeter	30m	N/A
Interface Probe		
PID		

	Borehole	Response Zone (m)		Gas Flow (l/hr)		Borehole Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gasses (ppmV)			Depth to Water	Depth to Base	Thickness of product	Sampled?
		Top	Bottom	Initial	Steady	(mB)	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	(m)	(m)	(mm)	(Y/N)
1	BHA1	1.00	7.00	-0.1	-0.1	-	0	0	0.1	0.1	21.4	21.5		-	-	0.69	4.22		
2	BHA2	1.00	7.00	0.3	0.3	-	0	0	0.8	0.8	19.8	19.8		-	-	0.40	6.73		
3	BHA3	1.00	7.00	0.04	0.04	-	0	0	0.1	0.1	21.1	21.2		-	-	3.41	4.94		
4	BHA6	1.00	5.00	-0.1	-0.1	-	0	0	0.2	0.1	21.1	21.4		-	-	0.62	3.23		
5	BHA7	1.00	3.70	6.6	6.6	-	0	0	5	5.3	14.9	16.2		-	-	0.98	3.76		
6	BHA10	0.80	7.00																
7	BHA12	1.00	7.00	0	0	-	0	0	0.3	0.1	21.1	21.3		-	-	0.76	7.05		
8	BHA13	3.50	7.00																
9	BHA13	1.00	3.00																
10	BHA14	1.00	7.00																
11	BHA15	2.00	7.00																
12	BHA16	1.00	7.00																
13	BHA17	1.50	7.00																
14	BHA18	1.00	7.00																
15	BHA19	4.00	7.00																
16	BHA19	0.70	6.50																

COMMENTS & GROUND CONDITIONS:

Groundwater and Ground Gas Monitoring Form

VISIT 4

Site Name	Northstowe
Client	Gallagher Estates
Job No.	12170626/002
Date	19/02/2007 - 21/02/2007
Start Time	
End Time	

Operator	RC/LF/CW
Pressure at Start mB	1009
Pressure at End mB	1000
Weather Conditions	Wet/Drizzle
Temperature oC	

Equipment	Serial No.	Calibrated
Gas Analyser	GA2000	Yes
Dipmeter	30m	N/A
Interface Probe		
PID		

	Borehole	Response Zone (m)		Gas Flow (l/hr)		Borehole Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gasses (ppmV)			Depth to Water	Depth to Base	Thickness of product	Sampled?
		Top	Bottom	Initial	Steady	(mB)	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	(m)	(m)	(mm)	(Y/N)
1	BHA1	1.00	7.00	0.1	0.1	-	0	0	0.4	0.1	20.6	21.2		-	-	0.63	4.06		
2	BHA2	1.00	7.00																
3	BHA3	1.00	7.00	3.6	3.6	-	0		1.9		15.1	-		-	-	0.33	4.98		
4	BHA6	1.00	5.00	1.1	1.1	-	0	0	0.1	0.1	20.8	20.7		-	-	0.62	3.23		
5	BHA7	1.00	3.70	10.6	10.6	-	0	0	0.8	0.2	20	20.9		-	-	0.96	3.78		
6	BHA10	0.80	7.00	0.3	0.3	-	0	0	1	0.7	15.3	16.9		-	-	1.17	7.05		
7	BHA12	1.00	7.00	7.1	7.1	-	0	0	0.4	0.1	20.6	20.8		-	-	0.78	7.07		
8	BHA13	3.50	7.00																
9	BHA13	1.00	3.00																
10	BHA14	1.00	7.00																
11	BHA15	2.00	7.00																
12	BHA16	1.00	7.00																
13	BHA17	1.50	7.00																
14	BHA18	1.00	7.00																
15	BHA19	4.00	7.00																
16	BHA19	0.70	6.50																

COMMENTS & GROUND CONDITIONS:

Groundwater and Ground Gas Monitoring Form

VISIT 5

Site Name	Northstowe
Client	Gallagher Estates
Job No.	12170626/002
Date	28/03/2007 - 29/03/2007
Start Time	
End Time	

Operator	RC & CW
Pressure at Start mB	1014
Pressure at End mB	1009
Weather Conditions	Wet/Foggy
Temperature oC	

Equipment	Serial No.	Calibrated
Gas Analyser	GA2000	Yes
Dipmeter	30m	N/A
Interface Probe		
PID		

	Borehole	Response Zone (m)		Gas Flow (l/hr)		Borehole Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gasses (ppmV)			Depth to Water	Depth to Base	Thickness of product	Sampled?
		Top	Bottom	Initial	Steady	(mB)	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	(m)	(m)	(mm)	(Y/N)
1	BHA1	1.00	7.00	0.2	0.2	-	0.1	0.1	0.2	0.1	21.3	21.3		-	-	0.31	-		
2	BHA2	1.00	7.00	-0.4	-0.4	-	0	0	0.8	0.3	20.4	20.4		-	-	0.55	-		
3	BHA3	1.00	7.00	-5.2	-5.2	-	0	0	0.1	0.1	20.7	21		-	-	-	-		
4	BHA6	1.00	5.00																
5	BHA7	1.00	3.70																
6	BHA10	0.80	7.00	0.5	-0.1	-	0.1	0.1	0.1	0.1	21.2	21.3		-	-	0.96	7.11		
7	BHA12	1.00	7.00	-0.2	-0.2	-	0.1	0.1	0.2	0.2	21.3	21.3		-	-	0.92	-		
8	BHA13	3.50	7.00																
9	BHA13	1.00	3.00																
10	BHA14	1.00	7.00																
11	BHA15	2.00	7.00																
12	BHA16	1.00	7.00																
13	BHA17	1.50	7.00																
14	BHA18	1.00	7.00																
15	BHA19	4.00	7.00																
16	BHA19	0.70	6.50																

COMMENTS & GROUND CONDITIONS:

Groundwater and Ground Gas Monitoring Form

VISIT 6

Site Name	Northstowe
Client	Gallagher Estates
Job No.	12170626/002
Date	17/04/2007 - 19/04/2007
Start Time	
End Time	

Operator	RC & CW
Pressure at Start mB	1021
Pressure at End mB	1014
Weather Conditions	Dry/Sunny/Slight Wind
Temperature oC	

Equipment	Serial No.	Calibrated
Gas Analyser	GA2000	Yes
Dipmeter	30m	N/A
Interface Probe		
PID		

	Borehole	Response Zone (m)		Gas Flow (l/hr)		Borehole Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gasses (ppmV)			Depth to Water	Depth to Base	Thickness of product	Sampled?
		Top	Bottom	Initial	Steady	(mB)	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	(m)	(m)	(mm)	(Y/N)
1	BHA1	1.00	7.00	0	0	-	0	0	0	0	20.9	21		-	-	0.99	-		
2	BHA2	1.00	7.00	0.1	0.1	-	0	0	1..8	1.8	18.4	18.5		-	-	1.68	-		
3	BHA3	1.00	7.00	-2	-2	-	0	0	0.6	0.6	20.5	20.6		-	-	0.62	-		
4	BHA6	1.00	5.00																
5	BHA7	1.00	3.70	>>>	>>>	-	0	0	2.9	3	18.4	18.5		-	-	2.03	-		
6	BHA10	0.80	7.00																
7	BHA12	1.00	7.00	0.2	0.2	-	0	0	0.8	0.2	18.9	20.4		-	-	1.04	-		
8	BHA13	3.50	7.00																
9	BHA13	1.00	3.00																
10	BHA14	1.00	7.00																
11	BHA15	2.00	7.00																
12	BHA16	1.00	7.00																
13	BHA17	1.50	7.00																
14	BHA18	1.00	7.00																
15	BHA19	4.00	7.00																
16	BHA19	0.70	6.50																

COMMENTS & GROUND CONDITIONS:

Groundwater and Ground Gas Monitoring Form

VISIT 7

Site Name	Northstowe
Client	Gallagher Estates
Job No.	12170626/002
Date	22/05/2007 - 29/05/2007
Start Time	
End Time	

Operator	RC/CW
Pressure at Start mB	1020
Pressure at End mB	1000
Weather Conditions	Sunny/Dry/Windy to Heavy Rainfall
Temperature oC	

Equipment	Serial No.	Calibrated
Gas Analyser	GA2000	Yes
Dipmeter	30m	N/A
Interface Probe		
PID		

	Borehole	Response Zone (m)		Gas Flow (l/hr)		Borehole Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gasses (ppmV)			Depth to Water	Depth to Base	Thickness of product	Sampled?
		Top	Bottom	Initial	Steady	(mB)	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	(m)	(m)	(mm)	(Y/N)
1	BHA1	1.00	7.00	0	0	-	0	0	1.6	1.6	16.9	17		-	-	1.24			
2	BHA2	1.00	7.00	0	0	-	0	0	1.2	1.4	17.8	18		-	-	1.71			
3	BHA3	1.00	7.00	0	0	-	0	0	0.9	0.7	20	20.3		-	-	1.64			
4	BHA6	1.00	5.00																
5	BHA7	1.00	3.70																
6	BHA10	0.80	7.00	-0.8	-0.8	-	0	0	0.4	0.2	16.6	16.9		-	-	3.61			
7	BHA12	1.00	7.00	-0.6	-0.6	-	0	0	0	0	20.2	20.2		-	-	1.15			
8	BHA13	3.50	7.00																
9	BHA13	1.00	3.00																
10	BHA14	1.00	7.00																
11	BHA15	2.00	7.00																
12	BHA16	1.00	7.00																
13	BHA17	1.50	7.00																
14	BHA18	1.00	7.00																
15	BHA19	4.00	7.00																
16	BHA19	0.70	6.50																

COMMENTS & GROUND CONDITIONS:

Groundwater and Ground Gas Monitoring Form

VISIT 8

Site Name	Northstowe
Client	Gallagher Estates
Job No.	12170626/002
Date	18/06/2007 - 22/06/2007
Start Time	
End Time	

Operator	RC/AM/CW
Pressure at Start mB	1005
Pressure at End mB	1004
Weather Conditions	Dry/Sunny/Windy
Temperature oC	

Equipment	Serial No.	Calibrated
Gas Analyser	GA2000	Yes
Dipmeter	30m	N/A
Interface Probe		
PID		

	Borehole	Response Zone (m)		Gas Flow (l/hr)		Borehole Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gasses (ppmV)			Depth to Water	Depth to Base	Thickness of product	Sampled?
		Top	Bottom	Initial	Steady	(mB)	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	(m)	(m)	(mm)	(Y/N)
1	BHA1	1.00	7.00	0.0	0.0	-	0	0	3.4	3.5	16.3	16.2		-	-	1.12	4.09		
2	BHA2	1.00	7.00	-1.8	-2.1	-	0	0	1.2	0.8	18.9	19.5		-	-	0.75	6.75		
3	BHA3	1.00	7.00	-7.1	-3.8	-	0	0	1.6	0.6	18.5	19.5		-	-	0.71	4.90		
4	BHA6	1.00	5.00	0.0	0.0	0	0	0	6	3.4	14.1	14.4		0	0	0.79	1.65		
5	BHA7	1.00	3.70	6.5	1.2	1	0	0	6.4	6.5	14.4	13.7		0	0	0.86	3.77		
6	BHA10	0.80	7.00																
7	BHA12	1.00	7.00	0.0	0.0	0	0	0	0.1	0.1	20.4	20.4		0	3	1.02	7.16		
8	BHA13	3.50	7.00																
9	BHA13	1.00	3.00																
10	BHA14	1.00	7.00																
11	BHA15	2.00	7.00																
12	BHA16	1.00	7.00																
13	BHA17	1.50	7.00																
14	BHA18	1.00	7.00																
15	BHA19	4.00	7.00																
16	BHA19	0.70	6.50																

COMMENTS & GROUND CONDITIONS:

Groundwater and Ground Gas Monitoring Form

VISIT 9

Site Name	Northstowe
Client	Gallagher Estates
Job No.	12170626/002
Date	23/07/07-26/07/07
Start Time	
End Time	

Operator	AM/SS/CW
Pressure at Start mB	1010
Pressure at End mB	1006
Weather Conditions	dry,overcast,lightbreeze
Temperature oC	

Equipment	Serial No.	Calibrated
Gas Analyser	GA2000	Yes
Dipmeter	30m	N/A
Interface Probe		
PID		

	Borehole	Response Zone (m)		Gas Flow (l/hr)		Borehole Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gasses (ppmV)			Depth to Water	Depth to Base	Thickness of product	Sampled?
		Top	Bottom	Initial	Steady	(mB)	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	(m)	(m)	(mm)	(Y/N)
1	BHA1	1.00	7.00	-0.1	0.0	3	0	0	4.8	5.1	14.6	14.4		0	1	1.08	4.13	1	
2	BHA2	1.00	7.00	-0.1	0.0	-73	0	0	2.4	1.1	17.5	19.3		0	0	1.09	7.77		
3	BHA3	1.00	7.00	0.0	0.0	-105	0	0	2.3	2.2	13.6	16.5		0	1	0.78	5.04		
4	BHA6	1.00	5.00	0.0	0.0	-69	0.1	0	6.0	5.8	11.7	11.0		0	3	0.79	3.26		
5	BHA7	1.00	3.70	0.1	0.0	-246	0.1	0	7.5	7.8	13.2	12.0		0	1	1.04	2.60		
6	BHA10	0.80	7.00																
7	BHA12	1.00	7.00	0.0	0.0	-37	0.1	0	0.3	0.1	19.9	20.4		0	0	0.98	6.23		
8	BHA13	3.50	7.00	0.0	0.0	-42	0	0.1	0.7	0.4	19.8	20.1		0	5	1.09	7.09		
9	BHA13	1.00	3.00	0.1	0.0	-50	0.1	0	1.3	0.6	18.9	19.7		0	18	1.07	3.06		
10	BHA14	1.00	7.00	0.0	0.0	-47	0	0	0.7	0.5	18.4	19.0		7	-	0.72	6.74		
11	BHA15	2.00	7.00	0.0	0.0	3	0	0	0.1	0.0	20.0	20.3		0	23	6.77	6.89		
12	BHA16	1.00	7.00	0.0	0.0	3	0	0	0.3	0.3	19.6	19.7		0	3	5.95	6.91		
13	BHA17	1.50	7.00	0.0	0.0	5	0	0	0.3	0.3	19.3	19.2		0	4	Dry	7.07		
14	BHA18	1.00	7.00	0	0	-56.1	0.1	0	0.3	0.7	19.5	17.3		0	1	4.89	7.06		
15	BHA19	4.00	7.00	0	0	-43.4	0	0	1.9	1	18	18.4		0	1	1.14	2.85		
16	BHA19	0.70	6.50	0	0	-44.3	0	0	0.8	0.4	18.7	19.2		0	2	1.12	6.79		

COMMENTS & GROUND CONDITIONS:

Groundwater and Ground Gas Monitoring Form

VISIT 9

Site Name	Northstowe
Client	Gallagher Estates
Job No.	12170626/002
Date	23/07/07-26/07/07
Start Time	
End Time	

Operator	AM/SS/CW
Pressure at Start mB	1010
Pressure at End mB	1006
Weather Conditions	dry,overcast,lightbreeze
Temperature oC	

Equipment	Serial No.	Calibrated
Gas Analyser	GA2000	Yes
Dipmeter	30m	N/A
Interface Probe		
PID		

	Borehole	Response Zone (m)		Gas Flow (l/hr)		Borehole Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gasses (ppmV)			Depth to Water	Depth to Base	Thickness of product	Sampled?
		Top	Bottom	Initial	Steady	(mB)	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	(m)	(m)	(mm)	(Y/N)
17	BHA20	0.90	3.00																
18	BHA20	4.00	7.00																
19	BHA21	0.70	6.50	0	0	-44.2	0	0	1	1	16.3	16.1		0	4	1.18	6.47		
20	BHA22	1.20	8.00	0	0	-43.6	0	0	6.5	6.6	12.6	12.5		0	1	1.53	7.51		
21	BHA23	1.00	3.00	0	0	-40.3	0	0	0.7	0.7	17.6	16.3		0	2	1.25	3.03	1	
22	BHA23	4.00	7.00	0	0	-41	0	0	0	0	17.4	19.4		0	6	1.14	7.07	1	
23	BHA24	2.00	7.00	0	0	-44	0	0	0.7	0.2	19.8	19.4		0	3	Dry	6.98		
24	BHA25	2.00	7.00	0	0	-63.5	0.1	0	1.2	0.4	16.4	19.1		0	0	1.58	6.98		
25	BHA26	1.00	7.00	0.1	0	-39.9	0.1	0	0.6	0.6	17.5	17.6		0	0	6.73	7.16		
26	BHA27	1.00	7.00	0	0	-38.8	0	0	0.1	0.2	20.1	18.2		0	0	6.72	6.98		
27	BHA28	2.20	5.70	0	0	-27.7	0	0	1.7	0.5	5.5	15.8		0	2	0.85	6.77		
28	BHA29																		
29	BHA30	5.00	6.00	0	0	-0.8	0	0	0.5	0.4	4.5	6.9		0	0	0.89	5.78		
30	BHA30	1.00	4.00	-0.1	0	-2.4	0	0	0	0	12.1	16.8		0	29	0.90	3.76	1	
31	BHA31	1.10	6.10	0	0	-44.7	0	0	0.1	0	17.1	18.8		0	4	0.88	5.93		
32	BHA32	1.20	6.70	0	0	-38.3	0	0	1.6	1.6	13.2	13.1		0	0	1.71	6.32	1	

COMMENTS & GROUND CONDITIONS:

Groundwater and Ground Gas Monitoring Form

VISIT 10

Site Name	Northstowe
Client	Gallagher Estates
Job No.	12170626/002
Date	13/08/07-15/08/07
Start Time	
End Time	

Operator	AM/SS/RC/CW
Pressure at Start mB	1006
Pressure at End mB	981
Weather Conditions	Dry/Overcast/Windy
Temperature oC	

Equipment	Serial No.	Calibrated
Gas Analyser	GA2000	Yes
Dipmeter	30m	N/A
Interface Probe		
PID		

	Borehole	Response Zone (m)		Gas Flow (l/hr)		Borehole Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gasses (ppmV)			Depth to Water	Depth to Base	Thickness of product	Sampled?
		Top	Bottom	Initial	Steady	(mB)	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	(m)	(m)	(mm)	(Y/N)
1	BHA1	1.00	7.00	0.0	0.0	4	0.1	0.1	1.9	2.3	19.5	19.1		1	2	1.26	4.03		
2	BHA2	1.00	7.00	0.0	0.0	4	0	0	1.7	1.6	18.7	19.0		0	3	1.34	6.66		
3	BHA3	1.00	7.00	-2.4	-0.2	0	0	0	2.7	3	16.4	15.6		0	0	0.90	4.99	1	
4	BHA6	1.00	5.00	0.0	0.0	-12	0	0	0.2	0	17.4	20.3		0	3	1.04	3.17		
5	BHA7	1.00	3.70	-9.8	0.0	-12	0	0	6.6	7	14.2	13.5		0	3	1.00	3.74		
6	BHA10	0.80	7.00																
7	BHA12	1.00	7.00	-6.9	0.0	4	0	0	0.4	0.1	20.3	20.4		0	1	1.21	7.01		
8	BHA13	2.00	7.00	0.0	0.0	3	0	0	0.7	0.4	19.1	19.6		1	4	1.26	3.01		
9	BHA13	1.00	7.00	-9.5	0.0	3	0	0	0.7	0.5	19.4	19.3		0	3	1.10	7.03		
10	BHA14	1.50	7.00	0.1	0.0	3	0	0	0.6	0.3	19.2	19.4		1	5	0.84	6.69		
11	BHA15	1.00	7.00	0.0	0.0	3	0	0	0.2	0	19.4	19.8		1	4	3.45	6.84		
12	BHA16	4.00	7.00	0.0	0.0	3	0	0	0.5	0.5	20.1	20.1		1	1	5.67	6.88		
13	BHA17	0.70	6.50	-0.1	0.0	3	0	0	0.2	0	18.8	19.8		0	3	DRY	7.13		
14	BHA18	0.90	3.00	-0.2	0.0	3	0	0	0.3	0.3	12.0	11.5		0	3	1.49	6.98		
15	BHA19	4.00	7.00	0.0	0.0	3	0	0	1.9	1.4	18.2	19.4		0	6	1.26	2.74		
16	BHA19	0.70	6.50	0.1	0.0	3	0.1	0	0.2	0.1	19.8	20.3		0	7	1.15	6.69		

COMMENTS & GROUND CONDITIONS:

Groundwater and Ground Gas Monitoring Form

VISIT 10

Site Name	Northstowe
Client	Gallagher Estates
Job No.	12170626/002
Date	13/08/07-15/08/07
Start Time	
End Time	

Operator	AM/SS/RC/CW
Pressure at Start mB	1006
Pressure at End mB	981
Weather Conditions	Dry/Overcast/Windy
Temperature oC	

Equipment	Serial No.	Calibrated
Gas Analyser	GA2000	Yes
Dipmeter	30m	N/A
Interface Probe		
PID		

	Borehole	Response Zone (m)		Gas Flow (l/hr)		Borehole Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gasses (ppmV)			Depth to Water	Depth to Base	Thickness of product	Sampled?
		Top	Bottom	Initial	Steady	(mB)	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	(m)	(m)	(mm)	(Y/N)
17	BHA20	0.90	3.00																
18	BHA20	4.00	7.00																
19	BHA21	0.70	6.50	-0.1	-0.1	4	0	0	0	0	19.5	20.4		0	3	-	-		
20	BHA22	1.20	8.00	0.2	0.3	4	0	0	2.6	3.3	19.4	18.5		0	3	1.64	7.42		
21	BHA23	1.00	3.00	0.0	0.0	3	0	0	0	0	20.8	20.8		0	2	1.26	6.99		
22	BHA23	4.00	7.00	0.0	0.0	3	0	0	0.9	0.9	19.8	19.5		0	3	1.52	2.91		
23	BHA24	2.00	7.00	-1.3	0.0	4	0	0	0.5	0.3	16.6	18.0		0	3	DRY	6.90		
24	BHA25	2.00	7.00	0.0	0.0	4	0	0	0	0	20.3	20.5		0	1	0.95	6.99		
25	BHA26	1.00	7.00	-0.2	0.0	4	0	0	1.4	1.4	18.8	18.6		0	0	5.57	7.06		
26	BHA27	1.00	7.00	-0.1	0.0	4	0	0	0.5	0.5	17.1	15.8		0	1	5.74	6.89		
27	BHA28	2.20	5.70	0.0	0.0	4	0.1	0	0.7	0.2	16.9	19.2		0	4	0.97	6.65		
28	BHA29																		
29	BHA30	5.00	6.00	0.0	0.0	3	0	0	1.1	0.7	19.4	19.6		0	2	1.05	5.68		
30	BHA30	1.00	4.00	0.0	0.0	3	0	0	0.6	0.2	19.8	20.4		0	4	1.05	3.65		
31	BHA31	1.10	6.10	0.0	0.0	4	0	0	0	0	20.2	20.2		0	5	1.04	5.82		
32	BHA32	1.20	6.70	-0.1	0.0	3	0	0	2.8	3.2	18.8	17.9		0	3	1.83	6.22		

COMMENTS & GROUND CONDITIONS:

Groundwater and Ground Gas Monitoring Form

VISIT 11

Site Name	Northstowe
Client	Gallagher Estates
Job No.	12170626/002
Date	03/09/2007 - 05/09/2007
Start Time	
End Time	

Operator	AM/SS
Pressure at Start mB	1026
Pressure at End mB	1014
Weather Conditions	Warm, dry, overcast
Temperature oC	16.5

Equipment	Serial No.	Calibrated
Gas Analyser	GA2000	Yes
Dipmeter	30m	N/A
Interface Probe		
PID		

	Borehole	Response Zone (m)		Gas Flow (l/hr)		Borehole Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gasses (ppmV)			Depth to Water	Depth to Base	Thickness of product	Sampled?
		Top	Bottom	Initial	Steady	(mB)	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	(m)	(m)	(mm)	(Y/N)
1	BHA1	1.00	7.00	0.0	0.0	3	0	0	3.9	4	16.8	16.6		0	4	1.254	3.98		
2	BHA2	1.00	7.00	0.2	0.0	5	0	0	2.8	2.9	18.0	18.1		0	0	1.574	6.78		
3	BHA3	1.00	7.00	6.9	0.0	9	0	0	2.1	2.1	17.2	17.2		0	1	0.83	2.53	1	
4	BHA6	1.00	5.00	-7.8	0.0	14	0.1	0	5.6	4.4	14.2	15.2		0	5	0.934	3.29		
5	BHA7	1.00	3.70	13.0	0.0	14	0.1	0.1	7.7	7.8	14.9	14.7		0	2	1.24	3.72		
6	BHA10	0.80	7.00																
7	BHA12	1.00	7.00	-3.7	0.0	1	0	0.1	1.3	1.2	18.8	18.9		0	3	1.252	7.13		
8	BHA13	3.50	7.00	0.0	0.0	5	0.1	0	0.1	0.1	20.7	20.7		0	0	1.279	3.04		
9	BHA13	1.00	3.00	0.0	0.0	5	0.1	0	0	0	20.6	20.7		0	0	1.051	7.08		
10	BHA14	1.00	7.00	0.0	0.0	5	0	0	0.2	0.1	20.6	20.6		0	0	0.834	6.74		
11	BHA15	2.00	7.00	-0.4	0.0	5	0	0	0.4	0.1	19.8	20.3		0	0	5.761	6.90		
12	BHA16	1.00	7.00	0.1	0.0	5	0.1	0	1.2	1.2	18.8	18.7		0	0	5.4	6.93		
13	BHA17	1.50	7.00	-0.3	0.0	5	0	0	0.7	0.4	15.4	18.2		0	2	6.863	7.08		
14	BHA18	0.90	3.00	0.0	0.0	3	0	0	0.1	0.1	19.0	19.4		0	3	1.461	7.09		
15	BHA19	4.00	7.00	0.0	0.0	3	0	0	0.6	0.6	19.4	19.4		1	2	1.267	2.83	1	
16	BHA19	0.70	6.50	-3.7	-0.3	3	0	0	0.6	0.6	19.4	19.4		0	3	1.162	6.79		

COMMENTS & GROUND CONDITIONS:

Groundwater and Ground Gas Monitoring Form

VISIT 11

Site Name	Northstowe
Client	Gallagher Estates
Job No.	12170626/002
Date	03/09/2007 - 05/09/2007
Start Time	
End Time	

Operator	AM/SS
Pressure at Start mB	1026
Pressure at End mB	1014
Weather Conditions	Warm, dry, overcast
Temperature oC	16.5

Equipment	Serial No.	Calibrated
Gas Analyser	GA2000	Yes
Dipmeter	30m	N/A
Interface Probe		
PID		

	Borehole	Response Zone (m)		Gas Flow (l/hr)		Borehole Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gasses (ppmV)			Depth to Water	Depth to Base	Thickness of product	Sampled?
		Top	Bottom	Initial	Steady	(mB)	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	(m)	(m)	(mm)	(Y/N)
17	BHA20	0.90	3.00																
18	BHA20	4.00	7.00																
19	BHA21	0.70	6.50	0.0	0.0	3	0	0	0.1	0.1	20.2	20.2		1	2	1.392	6.45	1	
20	BHA22	1.20	8.00	-1.3	0.0	3	0	0	2.9	2.9	18.0	17.8		0	3	1.734	7.47		
21	BHA23	1.00	3.00	-1.4	0.3	5	0	0	0.1	0	20.4	20.5		0	0	1.351	7.08		
22	BHA23	4.00	7.00	-0.6	0.0	5	0.1	0	0.4	0.4	19.8	19.9		0	0	Dry	2.99		
23	BHA24	2.00	7.00	-1.1	0.1	5	0	0	0.6	0.3	16.7	19.0		0	1	Dry	6.98		
24	BHA25	2.00	7.00	-0.6	-0.1	5	0.1	0	0.1	0	20.2	20.5		0	1	0.913	7.09		
25	BHA26	1.00	7.00	0.1	0.0	5	0	0	1.2	1.2	18.3	18.0		0	0	5.196	7.17		
26	BHA27	1.00	7.00	0.1	0.1	5	0	0	0.4	0.3	14.4	16.4		0	3	4.954	7.00		
27	BHA28	2.20	5.70	0.0	0.0	5	0.1	0	0.1	0	19.8	20.3		0	2	0.993	6.74		
28	BHA29																		
29	BHA30	5.00	6.00	0.0	0.0	3	0	0	0.2	0.1	19.6	20.1		0	4	1.114	5.78		
30	BHA30	1.00	4.00	0.0	0.0	3	0	0	0.5	0.3	19.5	19.9		0	4	1.13	3.71	1	
31	BHA31	1.10	6.10	0.0	0.0	3	0	0	0	0	20.1	20.1		0	1	1.098	5.89	1	
32	BHA32	1.20	6.70	0.0	0.0	3	0.1	0	2.9	3	17.6	17.3		0	0	1.888	6.32	1	

COMMENTS & GROUND CONDITIONS:

Groundwater and Ground Gas Monitoring Form

VISIT 12

Site Name	Northstowe
Client	Gallagher Estates
Job No.	12170626/002
Date	23.10.07 - 25.10.07
Start Time	
End Time	

Operator	RLC/CP/AS
Pressure at Start mB	1030
Pressure at End mB	1020
Weather Conditions	Foggy start to Dry/Cool/Light Breeze
Temperature oC	

Equipment	Serial No.	Calibrated
Gas Analyser	GA2000	Yes
Dipmeter	30m	N/A
Interface Probe		
PID		

	Borehole	Response Zone (m)		Gas Flow (l/hr)		Borehole Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gasses (ppmV)			Depth to Water	Depth to Base	Thickness of product	Sampled?
		Top	Bottom	Initial	Steady	(mB)	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	(m)	(m)	(mm)	(Y/N)
1	BHA1	1.00	7.00	0.3	0.2	1	0	0	2.7	2.9	19.8	17.3		0	2	1.71	-		
2	BHA2	1.00	7.00	0.0	0.0	0	0	0	1.5	1.5	19.0	18.7		0	3	1.42	-		
3	BHA3	1.00	7.00	-0.2	0.0	5	0	0	1.3	1	19.7	19.7		0	0	0.64	5.01		
4	BHA6	1.00	5.00																
5	BHA7	1.00	3.70																
6	BHA10	0.80	7.00																
7	BHA12	1.00	7.00																
8	BHA13	2.00	7.00	0.2	0.0	7	0	0	0.4	0.3	20.2	20.2		0	0	1.02	3.02		
9	BHA13	1.00	7.00	-3.4	0.0	7	0	0	0.2	0.1	20.2	20.1		0	0	0.87	-		
10	BHA14	1.50	7.00	0.0	0.0	7	0	0	1.2	0.5	16.8	18.6		0	0	6.63	6.71		
11	BHA15	1.00	7.00	-0.6	0.0	5	0	0	0.4	0.1	19.8	20.1		0	0	5.24	6.84		
12	BHA16	4.00	7.00	0.0	0.0	0	0	0	0.7	0.7	19.4	19.3		0	0	5.78	-		
13	BHA17	0.70	6.50	-0.4	0.0	7	0	0	0.9	0.4	17.3	18.8		0	0	6.44	7.03		
14	BHA18	0.90	3.00	0.0	0.0	7	0	0	0.4	0.1	15.4	18.4		0	0	0.77	7.02		
15	BHA19	4.00	7.00	0.0	0.0	8	0	0	0.4	0.2	20.2	20.4		0	0	1.06	2.57		
16	BHA19	0.70	6.50	0.0	0.0	8	0	0	0.2	0.1	20.3	20.3		0	0	1.28	6.28		

COMMENTS & GROUND CONDITIONS: BHA6, BHA10 & BHA12 - Unable to access due to presence of longhorned cattle

Groundwater and Ground Gas Monitoring Form

VISIT 12

Site Name	Northstowe
Client	Gallagher Estates
Job No.	12170626/002
Date	23.10.07 - 25.10.07
Start Time	
End Time	

Operator	RLC/CP/AS
Pressure at Start mB	1030
Pressure at End mB	1020
Weather Conditions	Foggy start to Dry/Cool/Light Breeze
Temperature oC	

Equipment	Serial No.	Calibrated
Gas Analyser	GA2000	Yes
Dipmeter	30m	N/A
Interface Probe		
PID		

	Borehole	Response Zone (m)		Gas Flow (l/hr)		Borehole Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gasses (ppmV)			Depth to Water	Depth to Base	Thickness of product	Sampled?
		Top	Bottom	Initial	Steady	(mB)	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	(m)	(m)	(mm)	(Y/N)
17	BHA20	0.90	3.00	0.2	0.2	1	0	0	0	0	20	19.5		0	2	1.46	-		
18	BHA20	4.00	7.00	0.2	0.2	1	0	0	1.9	1.9	18.8	18.1		0	2	1.45	-		
19	BHA21	0.70	6.50	0.0	0.0	1	0	0	0.4	0.1	20.0	20.4		0	4	1.39	-		
20	BHA22	1.20	8.00	0.2	0.2	1	0	0	0.6	1.2	20.3	18.9		0	1	1.71	-		
21	BHA23	1.00	3.00	0.0	0.0	0	0	0	0	0	20.2	20.5		0	1	1.71	-		
22	BHA23	4.00	7.00	0.0	0.0	0	0	0	0.4	0.6	20.1	19.5		0	3	1.42	-		
23	BHA24	2.00	7.00	0.0	0.0	0	0	0	1.2	0.3	15.6	19.4		0	1	5.60	-		
24	BHA25	2.00	7.00	0.3	0.3	1	0	0	0.1	0.1	20.6	20.6		0	0	0.51	-		
25	BHA26	1.00	7.00	0.0	0.0	1	0	0	0.4	0.4	19.8	19.7		0	1	5.33	-		
26	BHA27	1.00	7.00	0.0	0.0	0	0	0	1.6	0.7	15.2	17.9		0	0	4.65	-		
27	BHA28	2.20	5.70	0.0	0.0	0	0	0	0	0	20.6	20.8		0	1	0.89	-		
28	BHA29			0.1	0	0	0	0	1.3	1.3	18.8	18.7		0	0	1.40	6.67		
29	BHA30	5.00	6.00	0.2	0.1	1	0	0	0.8	0.3	19.7	20.0		0	0	1.11	-		
30	BHA30	1.00	4.00	0.1	0.1	1	0	0	0.5	0.1	19.9	20.3		0	1	1.11	-		
31	BHA31	1.10	6.10	-1.2	0.0	3	0	0	0	0	20.2	20.3		0	0	1.02	5.85		
32	BHA32	1.20	6.70	0.0	0.1	1	0	0	2.6	2.6	18.6	17.4		0	1	1.84	-		

COMMENTS & GROUND CONDITIONS: BHA09 - two bungs; bung with tap in side of pipe. Too tall to place cover over top, bung in pipe - no tap and covered with gaffa tape. BHA25 - no PID reading. BHA7 - lost

Groundwater and Ground Gas Monitoring Form

VISIT 13

Site Name	Northstowe
Client	Gallagher Estates
Job No.	12170626/004
Date	20-21.11.07
Start Time	10.00 am
End Time	

Operator	Phil Webb
Pressure at Start mB	999
Pressure at End mB	1003
Weather Conditions	Rained night before, damp
Temperature oC	

Equipment	Serial No.	Calibrated
Gas Analyser	GA2000	Yes
Dipmeter		
Interface Probe		
PID		

	Borehole	Response Zone (m)		Gas Flow (l/hr)		Borehole Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gasses (ppmV)			Depth to Water	Depth to Base	Thickness of product	Sampled?
		Top	Bottom	Initial	Steady	(mB)	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	(m)	(m)	(mm)	(Y/N)
1	BHA1			+0.1	-0.5	+2.14	0	0.1	0	0.7	20.8	20.3		0	3	1.29	3.41		
2	BHA2			-0.3	-0.2	-1.05	0	0	0	0.1	20.5	20.4		0	0	0.41	6.75		
3	BHA3																		
4	BHA6																		
5	BHA7																		
6	BHA10																		
7	BHA12																		
8	BHA13			+0.01	+0.01	-0.05	0	0	0.1	0.3	20.7	20.5		0	0	1.09	1.43		
9	BHA13			+0.1	+0.1	-0.05	0	0	0.1	0.2	20.6	20.5		0	1	1.08	1.98		
10	BHA14			0.8	+0.1	+2.53	0	0.1	0	0.2	20.3	20.4		0	0	0.695	6.093		
11	BHA15			0.0	+0.1	+8.12	0	0	0	0.1	20.1	20.6		0	0	4.96	6.77		
12	BHA16			+0.2	+0.2	-0.14	0	0	0	0.8	20.6	19.9		0	0	5.52	7.11		
13	BHA17			0.4	0.5	+0.04	0	0	0	0.6	20.7	19.5		0	1	6.26	7.12		
14	BHA18			-0.2	+0.3	-3.77	0	0	0	0.1	20.5	20.7		0	3	0.95	6.45		
15	BHA19			0.2	+0.4	+5.62	0	0	0	0.1	20.5	20.4		0	1	1.18	2.73		
16	BHA19			-2.9	+0.2	+5.58	0	0.1	0.1	0	20.4	20.5		0	1	1.17	6.38		

COMMENTS & GROUND CONDITIONS:

Groundwater and Ground Gas Monitoring Form

VISIT 13

Site Name	Northstowe
Client	Gallagher Estates
Job No.	12170626/004
Date	20-21.11.07
Start Time	10.00 am
End Time	

Operator	Phil Webb
Pressure at Start mB	999
Pressure at End mB	1003
Weather Conditions	Rained night before, damp
Temperature oC	

Equipment	Serial No.	Calibrated
Gas Analyser	GA2000	Yes
Dipmeter		
Interface Probe		
PID		

	Borehole	Response Zone (m)		Gas Flow (l/hr)		Borehole Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gasses (ppmV)			Depth to Water	Depth to Base	Thickness of product	Sampled?
		Top	Bottom	Initial	Steady	(mB)	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	(m)	(m)	(mm)	(Y/N)
17	BHA20			-0.8	0.02	+0.10	0	0	1.6	1.5	20.2	20.1		0	1	1.48			
18	BHA20																		
19	BHA21			0.3	0.4	+8.68	0	0	0	0.4	20.6	20.2		0	2	1.41	6.58		
20	BHA22			-1.9	-0.5	+4.38	0	0	0	2.1	20.7	19.5		0	2	1.13	7.55		
21	BHA23			-0.2	-0.4	+10.72	0	0	0	0	20.6	20.7		0	6	1.33	2.04		
22	BHA23			+0.1	-0.4	+8.85	0	0.1	0	0.5	20.8	20.0		0	2	1.47	6.79		
23	BHA24			+0.4	+0.3	+5.01	0	0.1	0	0.8	20.4	17.8		0	2	4.96	7.14		
24	BHA25			-0.6	-0.79	+0.20	0	0	0	0.1	20.2	20.3		0	0	0.86	6.48		
25	BHA26			0.4	0.3	+4.51	0	0	0	0.1	20.8	20.7		0	0	4.48	7.35		
26	BHA27			-0.1	+0.1	+3.09	0	0	0.4	1	18.2	15.6		0	0	3.57	6.92		
27	BHA28			+0.1	0.0	=13.09	0	0	0	0.2	20.5	20.1		0	2	0.95	6.72		
28	BHA29			+0.3	+0.2	-2.22	0	0	0	0	20.4	20.6		0	3	1.48	6.82		
29	BHA30			0.0	+0.2	+1.97	0	0	0	0.3	19.9	19.6		0	4	1.10	3.18		
30	BHA30			+0.1	0.0	+5.11	0	0	0	0.7	18.5	14.6		0	1	1.08	5.82		
31	BHA31			-0.2	-0.3	+2.83	0	0.1	0	0	20.4	20.7		0	3	1.01	5.90		
32	BHA32			-0.2	-0.4	+0.04	0	0	0	0.1	20.4	20.0		0	3	1.58	6.66		

COMMENTS & GROUND CONDITIONS:

Groundwater and Ground Gas Monitoring Form

VISIT 1

Site Name	Northstone
Client	Gallagher Estates
Job No.	12170626/004
Date	01/02/2006 - 03/02/2006
Start Time	
End Time	

Operator	LF/CW
Pressure at Start mB	1028
Pressure at End mB	1028
Weather Conditions	Cloudy/Cold/Dry
Temperature oC	

Equipment	Serial No.	Calibrated
Gas Analyser	GA2000	Yes
Dipmeter	30m	N/A
Interface Probe		
PID		

	Borehole	Response Zone (m)		Gas Flow (l/hr)		Borehole Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gasses (ppmV)			Depth to Water	Depth to Base	Thickness of product	Sampled?
		Top	Bottom	Initial	Steady	(mB)	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	(m)	(m)	(mm)	(Y/N)
1	BHB1	1.00	7.00																
2	BHB1A	1.00	7.00																
3	BHB2(a)	3.00	7.00																
4	BHB2(b)	0.50	1.50																
5	BHB3	1.00	2.50																
6	BHB3	3.50	7.00																
7	BHB8	1.00	7.00																
8	BHB9	1.00	7.00																
9	BHB13	1.00	7.00																
10	BHB14	1.00	2.00																
11	BHB14	3.00	7.00																
12	BHB15	1.50	6.00																
13	BHB18	1.00	7.00																
14	BHB19A	1.00	7.00	-0.8	-0.8	-	0	0	0.3	0.5	18.8	18.9		-	-	1.55	4.67		
15	BHB20	1.00	7.00																
16	BHB22	1.00	5.00	-0.8	-0.8	-	0	0	0.4	0.5	17.4	18		-	-	1.55	4.24		

COMMENTS & GROUND CONDITIONS:

Groundwater and Ground Gas Monitoring Form

VISIT 1

Site Name	Northstone
Client	Gallagher Estates
Job No.	12170626/004
Date	01/02/2006 - 03/02/2006
Start Time	
End Time	

Operator	LF/CW
Pressure at Start mB	1028
Pressure at End mB	1028
Weather Conditions	Cloudy/Cold/Dry
Temperature oC	

Equipment	Serial No.	Calibrated
Gas Analyser	GA2000	Yes
Dipmeter	30m	N/A
Interface Probe		
PID		

	Borehole	Response Zone (m)		Gas Flow (l/hr)		Borehole Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gasses (ppmV)			Depth to Water	Depth to Base	Thickness of product	Sampled?
		Top	Bottom	Initial	Steady	(mB)	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	(m)	(m)	(mm)	(Y/N)
17	BHB24A	1.00	7.00	-0.8	-0.8	-	0	0	0.1	0.1	18.8	19.2		-	-	2.14	2.65		
18	BHB25	1.00	7.00	-0.8	-0.8	-	0	0	0.2	0.2	18.6	18.7		-	-	1.24	5.66		
19	BHB27	1.00	7.00	-0.2	-0.2	-	0	0	2	2	17.3	18		-	-	1.08	6.88		
20	BHB29	1.00	7.00	-0.2	-0.2	-	0	0	2.4	2.4	17.5	17.9		-	-	2.00	5.79		
21	BHB32	1.00	7.00	-0.2	-0.2	-	0	0	2	2.1	17.3	17.4		-	-	2.27	6.43		
22	BHB34	1.00	3.00																
23	BHB36	1.00	7.00	-0.8	-0.8	-	0	0	0.2	0.3	18.9	19		-	-	2.29	6.20		
24	BHB40	1.50	7.00	0.2	0.2	-	0	0	0.8	1	17.8	18		-	-	1.12	3.85		
25	BHB42		7.00	0	0	-	0	0	0.3	0.3	18.3	18.4		-	-	1.41	5.90		
26	BHB45	1.00	7.00	0.1	0.1	-	0	0	0.5	0.9	17.6	18.5		-	-	2.31	6.75		
27	BHB50(1)	1.00	5.00	-0.8	-0.8	-	0	0	3.6	3.6	12.2	12.6		-	-	2.30	4.20		
28	BHB50(2)	6.00	9.00	-0.8	-0.8	-	0	0	2.3	3.2	14	17.1		-	-	2.33	7.30		
29	BHB51	1.00	7.00	-0.1	-0.1	-	0	0	1.9	2.1	16.4	17.7		-	-	Dry	4.55		
30	BHB55	1.00	7.00	-0.1	-0.1	-	0	0	0.7	0.7	19	19.1		-	-	1.45	6.59		
31	BHB56	1.00	7.00	0.2	0.2	-	0	0	0.1	0.5	18.9	19.3		-	-	0.94	6.93		
32																			

COMMENTS & GROUND CONDITIONS:

Groundwater and Ground Gas Monitoring Form

VISIT 2

Site Name	Northstone
Client	Gallagher Estates
Job No.	12170626/004
Date	13/11/2006 - 20/11/2006
Start Time	
End Time	

Operator	RC/LF/CW
Pressure at Start mB	1007
Pressure at End mB	986
Weather Conditions	Overcast/Drizzle
Temperature oC	

Equipment	Serial No.	Calibrated
Gas Analyser	GA2000	Yes
Dipmeter	30m	N/A
Interface Probe		
PID		

	Borehole	Response Zone (m)		Gas Flow (l/hr)		Borehole Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gasses (ppmV)			Depth to Water	Depth to Base	Thickness of product	Sampled?
		Top	Bottom	Initial	Steady	(mB)	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	(m)	(m)	(mm)	(Y/N)
17	BHB24A	1.00	7.00																
18	BHB25	1.00	7.00																
19	BHB27	1.00	7.00																
20	BHB29	1.00	7.00																
21	BHB32	1.00	7.00																
22	BHB34	1.00	3.00																
23	BHB36	1.00	7.00																
24	BHB40	1.50	7.00																
25	BHB42	0.50	7.00																
26	BHB45	1.00	7.00																
27	BHB50(1)	1.00	5.00																
28	BHB50(2)	6.00	9.00																
29	BHB51	1.00	7.00																
30	BHB 55	1.00	7.00	0.3	0.3	-	0	0	2	2	18.4	18.7		-	-	1.32	-		
31	BHB 56	1.00	7.00	0.2	0.2	-	0	0	2	2.4	10.7	12.2		-	-	1.23	-		
32																			

COMMENTS & GROUND CONDITIONS:

Groundwater and Ground Gas Monitoring Form

VISIT 3

Site Name	Northstone
Client	Gallagher Estates
Job No.	12170626/004
Date	29/01/2007 - 01/02/2007
Start Time	
End Time	

Operator	RC/LF/CW
Pressure at Start mB	1026
Pressure at End mB	1025
Weather Conditions	Sunny/Dry/Cool/Windy
Temperature oC	

Equipment	Serial No.	Calibrated
Gas Analyser	GA2000	Yes
Dipmeter	30m	N/A
Interface Probe		
PID		

	Borehole	Response Zone (m)		Gas Flow (l/hr)		Borehole Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gasses (ppmV)			Depth to Water	Depth to Base	Thickness of product	Sampled?
		Top	Bottom	Initial	Steady	(mB)	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	(m)	(m)	(mm)	(Y/N)
17	BHB24A	1.00	7.00																
18	BHB25	1.00	7.00																
19	BHB27	1.00	7.00																
20	BHB29	1.00	7.00																
21	BHB32	1.00	7.00																
22	BHB34	1.00	3.00																
23	BHB36	1.00	7.00																
24	BHB40	1.50	7.00																
25	BHB42	0.50	7.00																
26	BHB45	1.00	7.00																
27	BHB50(1)	1.00	5.00																
28	BHB50(2)	6.00	9.00																
29	BHB51	1.00	7.00																
30	BHB55	1.00	7.00	0	0	-	0	0	0.1	0.1	20.9	21.2		-	-	1.12	6.57		
31	BHB56	1.00	7.00	0	0	-	0	0.1	0.1	0.1	21.3	21.4		-	-	0.69	6.82		
32																			

COMMENTS & GROUND CONDITIONS:

Groundwater and Ground Gas Monitoring Form

VISIT 4

Site Name	Northstone
Client	Gallagher Estates
Job No.	12170626/004
Date	19/02/2007 - 21/02/2007
Start Time	
End Time	

Operator	RC/LF/CW
Pressure at Start mB	1009
Pressure at End mB	1000
Weather Conditions	Wet/Drizzle
Temperature oC	

Equipment	Serial No.	Calibrated
Gas Analyser	GA2000	Yes
Dipmeter	30m	N/A
Interface Probe		
PID		

	Borehole	Response Zone (m)		Gas Flow (l/hr)		Borehole Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gasses (ppmV)			Depth to Water	Depth to Base	Thickness of product	Sampled?
		Top	Bottom	Initial	Steady	(mB)	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	(m)	(m)	(mm)	(Y/N)
17	BHB24A	1.00	7.00																
18	BHB25	1.00	7.00																
19	BHB27	1.00	7.00																
20	BHB29	1.00	7.00																
21	BHB32	1.00	7.00																
22	BHB34	1.00	3.00																
23	BHB36	1.00	7.00																
24	BHB40	1.50	7.00																
25	BHB42	0.50	7.00																
26	BHB45	1.00	7.00																
27	BHB50(1)	1.00	5.00																
28	BHB50(2)	6.00	9.00																
29	BHB51	1.00	7.00																
30	BHB55	1.00	7.00	0	0	-	0	0	0.1	0.1	20.9	21.2		-	-	1.12	6.57		
31	BHB56	1.00	7.00	0	0	-	0	0.1	0.1	0.1	21.3	21.4		-	-	0.69	6.82		
32																			

COMMENTS & GROUND CONDITIONS:

Groundwater and Ground Gas Monitoring Form

VISIT 5

Site Name	Northstone
Client	Gallagher Estates
Job No.	12170626/004
Date	28/03/2007 - 29/03/2007
Start Time	
End Time	

Operator	RC & CW
Pressure at Start mB	1014
Pressure at End mB	1009
Weather Conditions	Wet/Foggy
Temperature oC	

Equipment	Serial No.	Calibrated
Gas Analyser	GA2000	Yes
Dipmeter	30m	N/A
Interface Probe		
PID		

	Borehole	Response Zone (m)		Gas Flow (l/hr)		Borehole Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gasses (ppmV)			Depth to Water	Depth to Base	Thickness of product	Sampled?
		Top	Bottom	Initial	Steady	(mB)	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	(m)	(m)	(mm)	(Y/N)
17	BHB24A	1.00	7.00																
18	BHB25	1.00	7.00																
19	BHB27	1.00	7.00																
20	BHB29	1.00	7.00																
21	BHB32	1.00	7.00																
22	BHB34	1.00	3.00																
23	BHB36	1.00	7.00																
24	BHB40	1.50	7.00																
25	BHB42	0.50	7.00																
26	BHB45	1.00	7.00																
27	BHB50(1)	1.00	5.00																
28	BHB50(2)	6.00	9.00																
29	BHB51	1.00	7.00																
30	BHB55	1.00	7.00	0.4	0.4	-	0	0	1.1	1	19.3	19.4		-	-	1.30	-		
31	BHB56	1.00	7.00	0.2	0.2	-	0	0	0	0	21	21.2		-	-	0.87	-		
32																			

COMMENTS & GROUND CONDITIONS:

Groundwater and Ground Gas Monitoring Form

VISIT 6

Site Name	Northstone
Client	Gallagher Estates
Job No.	12170626/004
Date	17/04/2007 - 19/04/2007
Start Time	
End Time	

Operator	RC & CW
Pressure at Start mB	1021
Pressure at End mB	1014
Weather Conditions	Dry/Sunny/Slightly Windy
Temperature oC	

Equipment	Serial No.	Calibrated
Gas Analyser	GA2000	Yes
Dipmeter	30m	N/A
Interface Probe		
PID		

	Borehole	Response Zone (m)		Gas Flow (l/hr)		Borehole Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gasses (ppmV)			Depth to Water	Depth to Base	Thickness of product	Sampled?
		Top	Bottom	Initial	Steady	(mB)	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	(m)	(m)	(mm)	(Y/N)
17	BHB24A	1.00	7.00																
18	BHB25	1.00	7.00																
19	BHB27	1.00	7.00																
20	BHB29	1.00	7.00																
21	BHB32	1.00	7.00																
22	BHB34	1.00	3.00																
23	BHB36	1.00	7.00																
24	BHB40	1.50	7.00																
25	BHB42	0.50	7.00																
26	BHB45	1.00	7.00																
27	BHB50(1)	1.00	5.00																
28	BHB50(2)	6.00	9.00																
29	BHB51	1.00	7.00																
30	BHB55	1.00	7.00	0	0	-	0	0	1.1	1.1	18.4	18.5		-	-	1.35	-		
31	BHB56	1.00	7.00	-0.2	-0.2	-	0	0	0	0	20.9	21		-	-	0.95	-		
32																			

COMMENTS & GROUND CONDITIONS:

Groundwater and Ground Gas Monitoring Form

VISIT 7

Site Name	Northstone
Client	Gallagher Estates
Job No.	12170626/004
Date	22/05/2007 - 25/05/2007
Start Time	
End Time	

Operator	RC/CW
Pressure at Start mB	1020
Pressure at End mB	1000
Weather Conditions	Sunny/Dry/Windy to Hravy Rainfall
Temperature oC	

Equipment	Serial No.	Calibrated
Gas Analyser	GA2000	Yes
Dipmeter	30m	N/A
Interface Probe		
PID		

	Borehole	Response Zone (m)		Gas Flow (l/hr)		Borehole Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gasses (ppmV)			Depth to Water	Depth to Base	Thickness of product	Sampled?
		Top	Bottom	Initial	Steady	(mB)	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	(m)	(m)	(mm)	(Y/N)
1	BHB1	1.00	7.00	0	0	-	-	-	-	-	-	-		-	-	0.00	7.02		
2	BHB1A	1.00	7.00																
3	BHB2(a)	3.00	7.00																
4	BHB2(b)	0.50	1.50																
5	BHB3	1.00	2.50																
6	BHB3	3.50	7.00																
7	BHB8	1.00	7.00	0.1	0.1	-	0	0	0.1	0.1	20.4	20.4		-	-	0.32	-		
8	BHB9	1.00	7.00	0	0	-										0.00	-		
9	BHB13	1.00	7.00	0.1	0.1	-	0	0	0.1	0.1	20.7	20.8		-	-	1.35	7.05		
10	BHB14	1.00	2.00																
11	BHB14	3.00	7.00																
12	BHB15	1.50	6.00																
13	BHB18	1.00	7.00	0	0	-	0	0	0.2	0.2	20.6	20.7		-	-	0.27	-		
14	BHB19A	1.00	7.00																
15	BHB20	1.00	7.00																
16	BHB22	1.00	5.00	-2	0	-	0	0	1.2	0.4	19.3	20		-	-	1.26	-		

COMMENTS & GROUND CONDITIONS:

Groundwater and Ground Gas Monitoring Form

VISIT 7

Site Name	Northstone
Client	Gallagher Estates
Job No.	12170626/004
Date	22/05/2007 - 25/05/2007
Start Time	
End Time	

Operator	RC/CW
Pressure at Start mB	1020
Pressure at End mB	1000
Weather Conditions	Sunny/Dry/Windy to Hravy Rainfall
Temperature oC	

Equipment	Serial No.	Calibrated
Gas Analyser	GA2000	Yes
Dipmeter	30m	N/A
Interface Probe		
PID		

	Borehole	Response Zone (m)		Gas Flow (l/hr)		Borehole Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gasses (ppmV)			Depth to Water	Depth to Base	Thickness of product	Sampled?
		Top	Bottom	Initial	Steady	(mB)	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	(m)	(m)	(mm)	(Y/N)
17	BHB24A	1.00	7.00	0.1	0.1	-	0	0	0.2	0.1	19.3	19.4		-	-	1.88	2.43		
18	BHB25	1.00	7.00	-0.4	0	-								-	-	0.06	-		
19	BHB27	1.00	7.00	0	0	-	0	0	1.2	1.2	18.9	18.9		-	-	1.38	-		
20	BHB29	1.00	7.00	0	0	-	0	0	0	0	20.6	20.6		-	-	1.72	-		
21	BHB32	1.00	7.00	0	0	-	0	0	0.3	0.3	20.4	20.4		-	-	1.93	-		
22	BHB34	1.00	3.00	0	0	-	0	0	1.2	1.4	19.2	20		-	-	1.64	2.69		
23	BHB36	1.00	7.00	0	0	-	0	0	0.6	0.5	20.1	20.2		-	-	2.22	6.29		
24	BHB40	1.50	7.00	0	0	-	0	0	0.2	0	20.2	20.4		-	-	1.66	3.90		
25	BHB42	0.50	7.00	0	0	-	0	0	0.7	0.7	19.6	19.6		-	-	0.92	4.65		
26	BHB45	1.00	7.00	0	0	-	0	0	1.1	0.8	20	20.2		-	-	0.99	-		
27	BHB50(1)	1.00	5.00	0.1	0.1	-	0	0	1.2	1.4	19.2	19.3		-	-	1.08	4.35		
28	BHB50(2)	6.00	9.00	0	0	-	0	0	0.4	0.1	20.3	20.6		-	-	1.08	7.05		
29	BHB51	1.00	7.00	0	0	-	0	0	2	1.4	19.2	19.6		-	-	4.40	4.57		
30	BHB55	1.00	7.00	0	0	-	0	0	1.8	1.8	16.5	16.5		-	-	1.30	6.49		
31	BHB56	1.00	7.00	0	0	-	0	0	0.1	0	20.3	20.4		-	-	1.05	-		
32																			

COMMENTS & GROUND CONDITIONS:

Groundwater and Ground Gas Monitoring Form

VISIT 8

Site Name	Northstone
Client	Gallagher Estates
Job No.	12170626/004
Date	18/06/2007-22/06/07
Start Time	
End Time	

Operator	RC/AM/CW
Pressure at Start mB	1005
Pressure at End mB	1004
Weather Conditions	Dry/Sunny/Windy
Temperature oC	

Equipment	Serial No.	Calibrated
Gas Analyser	GA2000	Yes
Dipmeter	30m	N/A
Interface Probe		
PID		

	Borehole	Response Zone (m)		Gas Flow (l/hr)		Borehole Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gasses (ppmV)			Depth to Water	Depth to Base	Thickness of product	Sampled?
		Top	Bottom	Initial	Steady	(mB)	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	(m)	(m)	(mm)	(Y/N)
1	BHB1	1.00	7.00	0.0	0.0	0	0	0	0.1	0	20.2	20.2		-	-	0.36	-		
2	BHB1A	1.00	7.00	-0.1	0.0	0	0	0	0	0	20.1	20.2		-	-	0.80	6.81		
3	BHB2(a)	3.00	7.00	0.0	0.0	0	0	0	0	0.1	20.5	20.6		0	2	1.91	7.14		
4	BHB2(b)	0.50	1.50	0.2	0.0	0	0	0	0	0	19.6	19.1		0	3	1.09	1.38		
5	BHB3	1.00	2.50	-0.2	0	0.02	0	0	0	0	20.6	20.6		0	0	0.78	2.04		
6	BHB3	3.50	7.00	0	0	0.02	0	0	0.1	0	20.2	20.5		0	0	0.78	7.03		
7	BHB8	1.00	7.00	0.1	0.0	0	0	0	0.1	0.1	20.3	20.3		-	-	1.13	6.44		
8	BHB9	1.00	7.00	-0.1	0.0	0	0	0	0	0	20.4	20.5		-	-	0.78	5.26		
9	BHB13	1.00	7.00	0.1	0.0	0	0	0	0	0	20.2	20.3		-	-	0.90	6.40		
10	BHB14	1.00	2.00	0.0	0.1	0	0	0	0	0.7	19.3	19.5		0	4	0.95	1.97		
11	BHB14	3.00	7.00	0.0	0.2	0	0	0	0	0.7	20.7	16.4		0	0	1.10	6.72		
12	BHB15	1.50	6.00	0.0	0.1	0	0	0	0.7	0.5	18.6	19.1		0	2	1.09	5.82		
13	BHB18	1.00	7.00	0.0	0.0	0	0	0	0.1	0	20.2	20.3		-	-	0.49	6.22		
14	BHB19A	1.00	7.00	-0.3	-0.1	0	0	0	0.1	0.3	20.4	20.4		0	7	1.50	3.12		
15	BHB20	1.00	7.00	0.0	0.0	0	0	0	0.8	0.3	19.5	19.9		0	0	1.28	1.69		
16	BHB22	1.00	5.00	0.0	-0.1	0	0	0	0	1.3	20.2	18.8		-	-	1.34	3.09		

COMMENTS & GROUND CONDITIONS:

Groundwater and Ground Gas Monitoring Form

VISIT 8

Site Name	Northstone
Client	Gallagher Estates
Job No.	12170626/004
Date	18/06/2007-22/06/07
Start Time	
End Time	

Operator	RC/AM/CW
Pressure at Start mB	1005
Pressure at End mB	1004
Weather Conditions	Dry/Sunny/Windy
Temperature oC	

Equipment	Serial No.	Calibrated
Gas Analyser	GA2000	Yes
Dipmeter	30m	N/A
Interface Probe		
PID		

	Borehole	Response Zone (m)		Gas Flow (l/hr)		Borehole Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gasses (ppmV)			Depth to Water	Depth to Base	Thickness of product	Sampled?
		Top	Bottom	Initial	Steady	(mB)	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	(m)	(m)	(mm)	(Y/N)
17	BHB24A	1.00	7.00	0.0	0.0	0	0	0	1.8	0.9	18.1	19.5		-	-	2.00	2.43		
18	BHB25	1.00	7.00	-0.1	0.0	0	0	0	0	0.1	20.6	20.7		-	4	0.84	5.81		
19	BHB27	1.00	7.00	0.0	0.0	0	0	0	0.8	0.8	19.3	19.3		0	3	1.31	6.74		
20	BHB29	1.00	7.00	0.5	0.0	0	0	0	2.2	2.4	17.4	17.2		0	5	1.69	5.60		
21	BHB32	1.00	7.00	0.1	0.0	0	0	0	2.8	2.8	15.5	15.2		0	3	1.79	6.40		
22	BHB34	1.00	3.00	0.0	0.0	0	0	0	0.1	1.9	20.4	17.7		-	12	1.58	2.68		
23	BHB36	1.00	7.00	-0.4	0.0	0	0	0	1.7	0.5	18.7	19.6		-	1	2.10	6.06		
24	BHB40	1.50	7.00	-1.2	0	0.04	0	0	1.4	1.4	17.6	17.7		0	5	1.00	3.80		
25	BHB42	0.50	7.00	-1.2	0	-0.07	0	0	1.9	2	18	18			3	1.02	5.88		
26	BHB45	1.00	7.00													1.14	5.64		
27	BHB50(1)	1.00	5.00	-1.0	0.1	-1	0	0	3.9	4.1	14.3	13.8		0	5	2.81	4.17		
28	BHB50(2)	6.00	9.00	0.2	0.0	-1	0	0	0	0	20.3	20.3		0	4	2.86	6.73		
29	BHB51	1.00	7.00	-0.5	-0.1	-1	0	0	0.4	0	19.4	20.3		0	1	3.92	4.61		
30	BHB55	1.00	7.00	0.2	0.1	-0.2	0	0	2	1.9	16.3	16.3		0	8	1.11	6.60		
31	BHB56	1.00	7.00	-0.2	0	-0.2	0	0	0	0	19.9	20.1		0	5	0.90	6.85		
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COMMENTS & GROUND CONDITIONS:

Groundwater and Ground Gas Monitoring Form

VISIT 9

Site Name	Northstone
Client	Gallagher Estates
Job No.	12170626/004
Date	23/07/07-26/07/07
Start Time	
End Time	

Operator	AM/SS/CW
Pressure at Start mB	1010
Pressure at End mB	1006
Weather Conditions	Dry/Overcast/Light Breeze
Temperature oC	

Equipment	Serial No.	Calibrated
Gas Analyser	GA2000	Yes
Dipmeter	30m	N/A
Interface Probe		
PID		

	Borehole	Response Zone (m)		Gas Flow (l/hr)		Borehole Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gasses (ppmV)			Depth to Water	Depth to Base	Thickness of product	Sampled?
		Top	Bottom	Initial	Steady	(mB)	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	(m)	(m)	(mm)	(Y/N)
1	BHB1	1.00	7.00	0	0	14.15	0	0	0	0	20.3	20.2		-	-	0.50	7.01		
2	BHB1A	1.00	7.00	0	0	14.15	0	0	0	0	20.2	20.2		-	-	0.76	6.79		
3	BHB2(a)	3.00	7.00	0	0	0.48	0	0	0	0	20.3	20.3		-	-	1.49	7.71		
4	BHB2(b)	0.50	1.50	0	0	0.48	0	0	0	0	19.7	19.7		-	-	1.05	1.33		
5	BHB3	1.00	2.50	0	0	2.87	0	0	0	0	20.5	20.5		-	-	0.67	2.03		
6	BHB3	3.50	7.00	0	0	2.87	0	0	0	0	20.5	20.5		-	-	0.66	6.98		
7	BHB8	1.00	7.00	0	0	0.35	0	0	0	0.1	20.1	20.1		-	-	1.23	6.43		
8	BHB9	1.00	7.00	-0.2	0	0.45	0	0	0	0	20.2	20.2		-	-	0.81	5.18		
9	BHB13	1.00	7.00	0	0	1.88	0	0	0	0	20.4	20.4		-	-	0.98	6.32		
10	BHB14	1.00	2.00	0	0	-7.81	0	0	0.1	0	19.6	20.3		-	-	1.01	6.54		
11	BHB14	3.00	7.00	-0.6	0	-7.81	0	0	0	0	19.1	20.1		-	-	0.89	1.82		
12	BHB15	1.50	6.00	0	0	6.18	0	0	0.1	0	20	20.4		-	-	0.86	5.64		
13	BHB18	1.00	7.00	-0.1	0	3.67	0	0	0	0	20.6	20.6		-	-	0.36	6.21		
14	BHB19A	1.00	7.00	0	0	4.69	0	0	0.1	0.1	19.6	19.8		0	0	1.48	3.10		
15	BHB20	1.00	7.00	0	0	0.015	0.1	0.1	0.7	0.3	19.9	20.1		0	0	1.20	1.68		
16	BHB22	1.00	5.00	-1.4	0	6.43	0	0	2.5	1.3	17.8	19.1		0	0	1.40	3.49		

COMMENTS & GROUND CONDITIONS:

Groundwater and Ground Gas Monitoring Form

VISIT 9

Site Name	Northstone
Client	Gallagher Estates
Job No.	12170626/004
Date	23/07/07-26/07/07
Start Time	
End Time	

Operator	AM/SS/CW
Pressure at Start mB	1010
Pressure at End mB	1006
Weather Conditions	Dry/Overcast/Light Breeze
Temperature oC	

Equipment	Serial No.	Calibrated
Gas Analyser	GA2000	Yes
Dipmeter	30m	N/A
Interface Probe		
PID		

	Borehole	Response Zone (m)		Gas Flow (l/hr)		Borehole Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gasses (ppmV)			Depth to Water	Depth to Base	Thickness of product	Sampled?
		Top	Bottom	Initial	Steady	(mB)	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	(m)	(m)	(mm)	(Y/N)
17	BHB24A	1.00	7.00																
18	BHB25	1.00	7.00																
19	BHB27	1.00	7.00	-0.6	0	4.43	0	0	1.4	1.4	18.5	18.5		0	0	1.38	6.75		
20	BHB29	1.00	7.00	0	0	0.24	0	0	.3.	.3.	16.4	16.4		0	0	1.61	5.51		
21	BHB32	1.00	7.00	-0.1	0	0.94	0	0	4.2	4.2	16.1	16.1		0	0	2.27	6.40		
22	BHB34	1.00	3.00	0	0	13.89	0	0	4.2	4.1	14.9	14.9		0	0	1.65	2.75		
23	BHB36	1.00	7.00																
24	BHB40	1.50	7.00	-1.4	0	4.49	0	0	1.9	0.6	14.6	18.7		0	0	1.06	3.73		
25	BHB42	0.50	7.00	-	-	4.39	0	0	1.8	1.8	17.9	17.9		0	0	1.23	5.83		
26	BHB45	1.00	7.00																
27	BHB50(1)	1.00	5.00	-	-	-	-	-	-	-	-	-		-	-	1.54	3.98		
28	BHB50(2)	6.00	9.00	-	-	-	-	-	-	-	-	-		-	-	1.60	5.99		
29	BHB51	1.00	7.00	-0.8	0	2.39	0	0	0	0	20.2	20.3				4.03	4.54		
30	BHB55	1.00	7.00	0	0	0.16	0	0	4.1	4.1	15.8	15.8		0	0	1.28	6.47		
31	BHB56	1.00	7.00	0	0	0.61	0	0	0	0	20.4	20.5		0	0	0.91	6.75		
32																			

COMMENTS & GROUND CONDITIONS:

Groundwater and Ground Gas Monitoring Form

VISIT 3

Site Name	Northstone
Client	Gallagher Estates
Job No.	12170626/004
Date	13/08/07-15/08/07
Start Time	
End Time	

Operator	AM/CW
Pressure at Start mB	1006
Pressure at End mB	981
Weather Conditions	Dry/Overcast/Windy
Temperature oC	

Equipment	Serial No.	Calibrated
Gas Analyser	GA2000	Yes
Dipmeter	30m	N/A
Interface Probe		
PID		

	Borehole	Response Zone (m)		Gas Flow (l/hr)		Borehole Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gasses (ppmV)			Depth to Water	Depth to Base	Thickness of product	Sampled?
		Top	Bottom	Initial	Steady	(mB)	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	(m)	(m)	(mm)	(Y/N)
1	BHB1	1.00	7.00	0.1	0.0	0	0	0	0	0	19.7	19.8		0	0	0.83	7.04		
2	BHB1A	1.00	7.00	0.0	0.0	1	0	0	0	0	20.0	20.0		0	0	1.15	6.96		
3	BHB2(a)	3.00	7.00	-0.1	0.0	1	0	0	0	0	19.8	19.9		0	0	1.42	7.19		
4	BHB2(b)	0.50	1.50	-0.2	-0.1	1	0	0	0	0	19.3	19.4		0	0	1.22	1.35		
5	BHB3	1.00	2.50	0.0	0.0	3	0	0	1	0.5	19.8	20.2		0	3	1.17	2.08		
6	BHB3	3.50	7.00	0.0	0.0	1	0	0	0	0	20.6	20.6		0	3	1.09	7.17		
7	BHB8	1.00	7.00	0.0	0.0	1	0	0	0.5	0.1	20.1	20.4		0	0	1.59	6.52		
8	BHB9	1.00	7.00	0.0	0.0	1	0	0	0.8	0.4	19.6	19.9		0	0	1.15	5.38		
9	BHB13	1.00	7.00	0.0	0.0	1	0	0	0.9	0.3	18.4	19.6		0	0	1.55	6.44		
10	BHB14	1.00	2.00	0.0	0.0	3	0	0	0.9	0.8	19.9	19.9		0	0	1.21	1.85		
11	BHB14	3.00	7.00	0.0	0.0	4	0	0	0	0	20.4	20.4		0	0	1.26	6.75		
12	BHB15	1.50	6.00	0.0	0.0	7	0	0	0.2	0	19.4	19.8		0	0	1.22	5.86		
13	BHB18	1.00	7.00	0.1	0.0	1	0	0	0	0	20.6	20.6		0	12	0.79	6.39		
14	BHB19A	1.00	7.00																
15	BHB20	1.00	7.00	0.0	0.0	0	0	0	0.3	0.3	20.4	20.4		0	0	1.26	1.68		
16	BHB22	1.00	5.00																

COMMENTS & GROUND CONDITIONS:

Groundwater and Ground Gas Monitoring Form

VISIT 3

Site Name	Northstone
Client	Gallagher Estates
Job No.	12170626/004
Date	13/08/07-15/08/07
Start Time	
End Time	

Operator	AM/CW
Pressure at Start mB	1006
Pressure at End mB	981
Weather Conditions	Dry/Overcast/Windy
Temperature oC	

Equipment	Serial No.	Calibrated
Gas Analyser	GA2000	Yes
Dipmeter	30m	N/A
Interface Probe		
PID		

	Borehole	Response Zone (m)		Gas Flow (l/hr)		Borehole Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gasses (ppmV)			Depth to Water	Depth to Base	Thickness of product	Sampled?
		Top	Bottom	Initial	Steady	(mB)	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	(m)	(m)	(mm)	(Y/N)
17	BHB24A	1.00	7.00	-0.5	0.0	0	0	0	2.4	2.4	18.9	19.0				2.04	2.43		
18	BHB25	1.00	7.00																
19	BHB27	1.00	7.00	0.0	0.0	1	0	0	1.6	1.6	18.7	18.8		0	0	2.08	6.75		
20	BHB29	1.00	7.00																
21	BHB32	1.00	7.00	-0.2	-0.1	0	0	0	3.3	3.3	18.1	18.0				2.85	6.34		
22	BHB34	1.00	3.00	0.0	0.0	1	0	0	1.3	1.3	19.7	19.7		0	0	1.74	2.82		
23	BHB36	1.00	7.00	-0.4	-0.3	3	0	0	0.3	0.1	20.3	20.2				2.13	6.21		
24	BHB40	1.50	7.00	-0.2	0.0	1	0	0	1.1	0.07	18.1	18.9		0	0	1.33	3.82		
25	BHB42	0.50	7.00	0.0	0.0	4	0	0	1.3	1.3	18.9	18.9		0	0	1.47	5.81		
26	BHB45	1.00	7.00																
27	BHB50(1)	1.00	5.00	-0.1	0.0	5	0	0	7	7	12.9	12.9		0	0	2.94	4.06		
28	BHB50(2)	6.00	9.00	0.0	0.0	0	0	0	0	0	20.6	20.6		0	0	3.03	6.24		
29	BHB51	1.00	7.00	0.0	0.0	4	0	0	0	0	20.3	20.5		0	0	4.18	4.63		
30	BHB55	1.00	7.00	0.0	0.0	0	0	0	3.3	3.3	18.1	18.1		0	0	1.43	6.71		
31	BHB56	1.00	7.00	0.0	0.0	0	0	0	0	0	20.0	20.0		0	0	1.09	6.77		
32																			

COMMENTS & GROUND CONDITIONS:

Groundwater and Ground Gas Monitoring Form

VISIT 11

Site Name	Northstone
Client	Gallagher Estates
Job No.	12170626/004
Date	
Start Time	
End Time	

Operator	AM/SS
Pressure at Start mB	1026
Pressure at End mB	1014
Weather Conditions	Warm/Dry/Cloudy
Temperature oC	

Equipment	Serial No.	Calibrated
Gas Analyser	GA2000	Yes
Dipmeter	30m	N/A
Interface Probe		
PID		

	Borehole	Response Zone (m)		Gas Flow (l/hr)		Borehole Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gasses (ppmV)			Depth to Water	Depth to Base	Thickness of product	Sampled?
		Top	Bottom	Initial	Steady	(mB)	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	(m)	(m)	(mm)	(Y/N)
1	BHB1	1.00	7.00	0.0	0.0	7	0	0.1	0.1	0	20.1	20.3		0	0	0.84	7.00		
2	BHB1A	1.00	7.00	0.0	0.0	1	0	0	0.1	0.1	20.0	20.0		0	0	2.01	6.83		
3	BHB2(a)	3.00	7.00	0.0	0.0	0	0	0	0.1	0.1	19.8	19.8		0	0	1.32	7.20		
4	BHB2(b)	0.50	1.50	0.0	0.0	0	0	0	0.5	0.5	19.3	19.3		0	0	1.28	1.41		
5	BHB3	1.00	2.50	0.0	0.0	3	0	0	0	0	20.1	20.1		0	0	1	2.07		
6	BHB3	3.50	7.00	0.0	0.0	1	0	0	0	0	20.2	20.2		0	0	1.01	7.00		
7	BHB8	1.00	7.00	0.0	0.0	1	0	0	0.5	0.3	19.9	20.1		0	0	1.56	6.40		
8	BHB9	1.00	7.00	-0.4	0.0	12	0	0	0.6	0.3	20.1	20.2		0	0	1.08	5.93		
9	BHB13	1.00	7.00	0.0	0.0	1	0	0	0.7	0.4	18.5	19.5		0	0	1.52	6.44		
10	BHB14	1.00	2.00	-0.1	0.0	7	0	0	0.3	0.2	20.2	20.2		0	0	1.18	1.93		
11	BHB14	3.00	7.00	0.0	0.0	4	0	0	0.1	0.1	20.2	20.2		0	0	1.23	6.66		
12	BHB15	1.50	6.00	-0.9	0.0	4	0	0	0.2	0.1	19.8	20.2		0	0	1.19	5.77		
13	BHB18	1.00	7.00	0.0	0.0	4	0	0	0	0	20.0	20.1		0	0	0.75	6.37		
14	BHB19A	1.00	7.00	0.0	0.0	8	0	0	0.7	0.2	19.9	20.4		0	0	1.55	3.14		
15	BHB20	1.00	7.00	0.0	0.0	0	0	0	0.9	0.6	19.4	19.8		0	1	1.30	1.68		
16	BHB22	1.00	5.00	-0.7	0.0	11	0	0	0.9	0.9	19.1	19.3		0	0	1.48	3.42		

COMMENTS & GROUND CONDITIONS:

Groundwater and Ground Gas Monitoring Form

VISIT 11

Site Name	Northstone
Client	Gallagher Estates
Job No.	12170626/004
Date	03/09/2007 - 05/09/2007
Start Time	
End Time	

Operator	AM/SS
Pressure at Start mB	1026
Pressure at End mB	1014
Weather Conditions	Warm/Dry/Cloudy
Temperature oC	

Equipment	Serial No.	Calibrated
Gas Analyser	GA2000	Yes
Dipmeter	30m	N/A
Interface Probe		
PID		

	Borehole	Response Zone (m)		Gas Flow (l/hr)		Borehole Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gasses (ppmV)			Depth to Water	Depth to Base	Thickness of product	Sampled?
		Top	Bottom	Initial	Steady	(mB)	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	(m)	(m)	(mm)	(Y/N)
17	BHB24A	1.00	7.00	0.0	0.0	6	0	0	1.9	1.9	19.1	19.1		0	0	1.93	2.47		
18	BHB25	1.00	7.00																
19	BHB27	1.00	7.00	0.0	0.0	1	0	0	1.4	1.4	19.6	19.6		0	0	2.12	6.82		
20	BHB29	1.00	7.00	0.0	0.0	1	0	0	2.8	2.8	18.3	18.3		0	0	1.80	5.58		
21	BHB32	1.00	7.00	0.0	0.0	1	0	0	3	3	17.9	17.9		0	0	3.04	6.40		
22	BHB34	1.00	3.00													1.75	2.82		
23	BHB36	1.00	7.00	-0.2	0.0	7	0	0	1	0.4	19.3	19.7		0	0	2.22	6.35		
24	BHB40	1.50	7.00	0	0	0.5	0	0	0	0	20.6	20.6		0	0	1.43	3.89		
25	BHB42	0.50	7.00	-0.1	0	3.95	0	0	1.2	1.2	19.2	19.2		0	0	1.44	5.94		
26	BHB45	1.00	7.00													1.77	6.69		
27	BHB50(1)	1.00	5.00	0.0	0.0	1	0	0	6.3	6.3	12.9	12.9		0	0	3.03	4.04		
28	BHB50(2)	6.00	9.00	-0.2	0.0	1	0	0	0.4	0.3	20.2	20.3		0	0	3.12	7.01		
29	BHB51	1.00	7.00	0.0	0.0	6	0	0	0.7	0.7	19.7	19.8		0	0	4.24	4.54		
30	BHB55	1.00	7.00	0	0	0.69	0	0	1.9	1.9	18.5	18.5		0	0	1.18	6.55		
31	BHB56	1.00	7.00	0	0	0.49	0	0	0.1	0	20.1	20		0	0	1.21	6.86		
32																			

COMMENTS & GROUND CONDITIONS: BHB 45 Could not gas as the bung was not in. BHB 34 Gas bung was out.

Groundwater and Ground Gas Monitoring Form

VISIT 12

Site Name	Northstone
Client	Gallagher Estates
Job No.	12170626/004
Date	22.10.07 - 25.10.07
Start Time	
End Time	

Operator	RC/CP/AS
Pressure at Start mB	1030
Pressure at End mB	1020
Weather Conditions	(Foggy start) Dry/Cool/Light Breeze
Temperature oC	

Equipment	Serial No.	Calibrated
Gas Analyser	GA2000	Yes
Dipmeter	30m	N/A
Interface Probe		
PID		

	Borehole	Response Zone (m)		Gas Flow (l/hr)		Borehole Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gasses (ppmV)			Depth to Water	Depth to Base	Thickness of product	Sampled?
		Top	Bottom	Initial	Steady	(mB)	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	(m)	(m)	(mm)	(Y/N)
1	BHB1	1.00	7.00																
2	BHB1A	1.00	7.00	0.0	0.0	0	0	0	0	0	20.5	20.5		-	-	0.90	6.50		
3	BHB2(a)	3.00	7.00	0.4	0.4	1	0	0	0.1	0	20.3	20.2		0	0	1.29	-		
4	BHB2(b)	0.50	1.50	0.1	0.0	0	0	0	0.6	0.6	19.8	19.5		0	1	1.17	-		
5	BHB3	1.00	2.50	0.3	0.3	1	0	0	0.2	0.1	20.3	20.3		0	2	0.51	-		
6	BHB3	3.50	7.00	0.3	0.6	1	0	0	0.1	0.1	20.4	20.4		0	0	0.58			
7	BHB8	1.00	7.00	-0.2	-0.2	0	0	0	0.5	0.7	20.1	19.9		0	1	1.27	-		
8	BHB9	1.00	7.00	-0.4	-0.3	0	0	0	0	0	20.3	20.5		0	1	0.54	-		
9	BHB13	1.00	7.00	0.0	0.0	0	0	0	2.2	2	18.6	18.3		0	0	1.39	-		
10	BHB14	1.00	2.00	0.1	0.1	0	0	0	0.1	0.1	20.4	20.4		0	0	1.07	-		
11	BHB14	3.00	7.00	0.1	0.1	0	0	0	0	0	20.4	20.4		0	0	1.31	-		
12	BHB15	1.50	6.00	0.2	0.2	0	0	0	0.1	0	20.6	20.6		0	1	1.12	-		
13	BHB18	1.00	7.00	0.9	0.9	1	0	0	0.8	0.3	20.3	20.5		0	2	0.22	-		
14	BHB19A	1.00	7.00																
15	BHB20	1.00	7.00	0.0	0.3	1	0	0	0.2	0.1	20.4	20.5		0	2	Dry	1.47		
16	BHB22	1.00	5.00	0.0	0.0	6	0	0	0.9	0.5	20.0	20.3		0	2	1.54	-		

COMMENTS & GROUND CONDITIONS:

Groundwater and Ground Gas Monitoring Form

VISIT 12

Site Name	Northstone
Client	Gallagher Estates
Job No.	12170626/004
Date	22.10.07 - 25.10.07
Start Time	
End Time	

Operator	RC/CP/AS
Pressure at Start mB	1030
Pressure at End mB	1020
Weather Conditions	(Foggy start) Dry/Cool/Light Breeze
Temperature oC	

Equipment	Serial No.	Calibrated
Gas Analyser	GA2000	Yes
Dipmeter	30m	N/A
Interface Probe		
PID		

	Borehole	Response Zone (m)		Gas Flow (l/hr)		Borehole Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gasses (ppmV)			Depth to Water	Depth to Base	Thickness of product	Sampled?
		Top	Bottom	Initial	Steady	(mB)	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	(m)	(m)	(mm)	(Y/N)
17	BHB24A	1.00	7.00	0.0	0.0	12	0	0	0.9	0.8	19.6	19.6		-	-	1.90	-		
18	BHB25	1.00	7.00																
19	BHB27	1.00	7.00	0.0	0.0	-3	0	0	1.9	1.9	19.1	18.4		-	-	2.00	-		
20	BHB29	1.00	7.00	0.0	0.0	0	0	0	2.2	2.2	18.9	18.7		0	1	2.00	-		
21	BHB32	1.00	7.00	0.0	0.0	0	0	0	2	2	18.3	18.3		-	-	3.23	6.23		
22	BHB34	1.00	3.00	-0.1	0.0	0	0	0	1.8	1.9	18.2	17.9		-	-	2.12	-		
23	BHB36	1.00	7.00	0.3	0.3	10	0	0	0.8	0.8	19.9	19.9		0	1	2.27	-		
24	BHB40	1.50	7.00	-1.3	0.0	0	0	0	1.7	1.6	19.7	19		-	-	1.33	-		
25	BHB42	0.50	7.00	-0.1	0.0	6	0	0	0.6	0.6	19.6	19.6		-	-	1.44	-		
26	BHB45	1.00	7.00	0.1	0.1	1	0	0	0.1	0.1	20.6	20.6		0	0	1.93	-		
27	BHB50(1)	1.00	5.00	-0.6	0.0	3	0	0	2.6	3.5	18.2	17.1		-	-	3.33	3.99		
28	BHB50(2)	6.00	9.00	0.0	0.0	4	0	0	1.2	1.7	19.5	19.1	0	-	-	3.34	6.81		
29	BHB51	1.00	7.00	-1.0	0.0	7	0	0	0	0.1	20.1	20.2		-	-	Dry	4.20		
30	BHB55	1.00	7.00	0.0	0.0	0	0	0	0.8	0.8	18.7	18.7		-	-	1.12	-		
31	BHB56	1.00	7.00	-0.2	0.0	0	0	0	0.1	0	19.8	20.2		-	-	1.17	-		
32																			

COMMENTS & GROUND CONDITIONS:

Groundwater and Ground Gas Monitoring Form

VISIT 13

Site Name	Northstone
Client	Gallagher Estates
Job No.	12170626/004
Date	22-23.11.07
Start Time	8.30 am
End Time	

Operator	Becky Couchman/ Lizzie Beers
Pressure at Start mB	1000
Pressure at End mB	
Weather Conditions	Overcast, dull, light rain
Temperature oC	

Equipment	Serial No.	Calibrated
Gas Analyser	GA2000	Yes
Dipmeter	101	
Interface Probe		
PID		

	Borehole	Response Zone (m)		Gas Flow (l/hr)		Borehole Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gasses (ppmV)			Depth to Water	Depth to Base	Thickness of product	Sampled?
		Top	Bottom	Initial	Steady	(mB)	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	(m)	(m)	(mm)	(Y/N)
1	BHB1																		
2	BHB1A			0.0	+0.1	-0.31	0	0	0	0	21.4	21.4		0	0	0.78	6.73		
3	BHB2(a)			0.0	0.0	+0.30	0	0	0.3	0.3	21.2	21.0		0	0	1.23	1.36		
4	BHB2(b)			0.0	0.0	+0.48	0	0	0.1	0.1	20.9	21.0		0	0	1.29	7.11		
5	BHB3			0.0	0.0	+1.88	0	0	0.1	0.1	20.5	20.6		0	0	0.57	1.94		
6	BHB3			0.0	0.0	+1.88	0	0	0.3	0.2	20.6	20.4		0	0	0.57	6.94		
7	BHB8			0.0	-0.1	-0.28	0	0	0	0	21.0	21.0		0	0	1.33	6.26		
8	BHB9			0.0	0.0	-0.77	0	0	0.1	0	20.4	20.6		0	0	0.37	5.69		
9	BHB13			+0.6	+0.5	-0.22	0	0	0	0	21.5	21.5		0	0	1.28	5.95		
10	BHB14																		
11	BHB14																		
12	BHB15			+0.7	+0.6	+2.49	0	0	0.3	0.1	21.4	21.4		0	0	0.56	2.76		
13	BHB18																		
14	BHB19A																		
15	BHB20			0.0	0.0	-0.11	0	0	0.2	0.2	21.0	21.0		0	0	1.56	1.70		
16	BHB22																		

COMMENTS & GROUND CONDITIONS:

Groundwater and Ground Gas Monitoring Form

VISIT 13

Site Name	Northstone
Client	Gallagher Estates
Job No.	12170626/004
Date	22-23.11.07
Start Time	8.30 am
End Time	

Operator	Becky Couchman
Pressure at Start mB	1000
Pressure at End mB	
Weather Conditions	Overcast, dull, light rain
Temperature oC	

Equipment	Serial No.	Calibrated
Gas Analyser	GA2000	Yes
Dipmeter	101	
Interface Probe		
PID		

	Borehole	Response Zone (m)		Gas Flow (l/hr)		Borehole Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gasses (ppmV)			Depth to Water	Depth to Base	Thickness of product	Sampled?
		Top	Bottom	Initial	Steady	(mB)	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	(m)	(m)	(mm)	(Y/N)
17	BHB24A			+0.1	-0.1	+4.62	0.1	0	1	1.1	19.8	19.8		0	0	2.07	2.37		
18	BHB25																		
19	BHB27			0.0	0.0	+0.05	0	0	1.6	0.9	19.8	19.4		0	0	1.81	6.64		
20	BHB29			-0.1	-0.1	+4.70	0	0	1.3	1.4	20.0	19.6		0	1	2.94	5.46		
21	BHB32			+0.1	0.0	+0.05	0	0	2.2	2.3	19.0	18.8		0	2	2.88	6.25		
22	BHB34			-0.1	0.0	+4.62	0	0	0	0	20.9	21.0		0	0				
23	BHB36			+0.1	0.0	+0.29	0	0	0.4	0.1	20.3	20.4		0	0	2.35	6.13		
24	BHB40																		
25	BHB42			-0.1	0.0	+0.04	0	0	0.5	0.6	19.9	19.9		0	0	1.42	6.76		
26	BHB45																		
27	BHB50(1)			-0.1	0.0	+4.70	0	0	3.6	3.6	193.5	19.0		0	0	3.71	3.97		
28	BHB50(2)			-0.3	0.0	+4.70	0	0	1.2	2.4	20.8	20.6		0	0	3.72	6.77		
29	BHB51			+0.1	+0.2	+4.70	0	0	0	0	21.1	21.2		0	1	dry	4.01		
30	BHB55			0.0	-0.1	+4.70	0	0.1	1.4	1.5	19.6	19.4		0	0	1.355	6.515		
31	BHB56			0.0	0.0	+0.29	0	0	0.2	0.1	19.3	20.4		0	0	1.145	6.455		
32																			

COMMENTS & GROUND CONDITIONS:

Groundwater and Ground Gas Monitoring Form

VISIT 2

Site Name	Northstowe
Client	Gallagher Estates
Job No.	12170626/002
Date	13/11/2006 - 20/11/2006
Start Time	
End Time	

Operator	RC/LF/CW
Pressure at Start mB	1007
Pressure at End mB	986
Weather Conditions	Overcast/Drizzle
Temperature oC	

Equipment	Serial No.	Calibrated
Gas Analyser	GA2000	Yes
Dipmeter		
Interface Probe	30m	N/A
PID		

	Borehole	Response Zone (m)		Gas Flow (l/hr)		Borehole Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gasses (ppmV)			Depth to Water	Depth to Base	Thickness of product	Sampled?
		Top	Bottom	Initial	Steady	(mB)	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	(m)	(m)	(mm)	(Y/N)
1	BHC 1	1.00	3.20																
2	BHC 2	1.00	9.00																
3	BHC 3	1.50	7.00	-0.09	-0.09	-	0	0	1.9	1.9	17.4	17.6		-	-	1.64	-		
4	BHC 4	1.00	7.00	-0.09	-0.09	-	0	0	0.3	0.3	19.3	19.4		-	-	1.94	-		
5	BHC 5	1.00	7.00	-0.04	-0.04	-	0	0	2.5	2.6	17	17.3		-	-	1.49	-		
6	BHC 6	1.00	3.20	-1	-1	-	0	0	2.4	2.4	17.2	17.3		-	-	1.88	-		
7	BHC 7A	1.00	2.40																
8	BHC 7A	3.40	7.00																
9	BHC 8	1.00	7.00	-1	-1	-	0	0	1.1	1.3	18.6	18.9		-	-	1.29	-		
10	BHC 10	1.00	7.00	0.2	0.2	-	0	0	1.6	1.6	17.6	17.7		-	-	1.80	6.80		
11	BHC 11	0.80	7.00	3	3	-	0	0	3.5	3.6	15.7	16.2		-	-	6.14	6.90		
12	BHC 20	1.20	9.00																
13	BHC 21	2.00	12.70																
14	BHC 22	4.00	5.00																
15	BHC 23	4.50	5.35																
16	BHC 24	5.00	6.00																

COMMENTS & GROUND CONDITIONS:

V1.2

Groundwater and Ground Gas Monitoring Form

VISIT 2

Site Name	Northstowe
Client	Gallagher Estates
Job No.	12170626/002
Date	
Start Time	
End Time	

Operator	RC/LF/CW
Pressure at Start mB	1007
Pressure at End mB	986
Weather Conditions	Overcast/Drizzle
Temperature oC	

Equipment	Serial No.	Calibrated
Gas Analyser	GA2000	Yes
Dipmeter		
Interface Probe	30m	N/A
PID		

	Borehole	Response Zone (m)		Gas Flow (l/hr)		Borehole Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gasses (ppmV)			Depth to Water	Depth to Base	Thickness of product	Sampled?
		Top	Bottom	Initial	Steady	(mB)	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	(m)	(m)	(mm)	(Y/N)
17	BHC 26	1.00	7.00																
18	WWC 1 (1)	2.50	7.00	-0.07	-0.07	-	0	0.2	0.2	0.5	18.4	19.2		-	-	1.97	-		
19	WWC 1 (2)	1.00	2.00	-1	-1	-	4.4	4.6	1.2	1.2	14.2	14.8		-	-	1.83	-		
20	WWC 2	1.00	7.00	0.04	0.04	-	0	0	0	0	19.3	19.4		-	-	1.76	-		
21	WWC 3	1.00	7.00	0.03	0.03	-	1.8	2.5	3.5	5	4.6	9.5		-	-	2.05	6.58		
22	WWC 4	1.00	7.00	-0.09	-0.09	-	0	0	4.9	4.9	14.8	15.4		-	-	1.76	-		
23	WWC 5	1.00	6.00	-0.02	-0.02	-	0	0.1	0.5	0.6	18.1	19.4		-	-	1.89	7.10		
24	WWC 6	1.00	6.00	-0.03	-0.03	-	0	0	4.2	4.3	15.1	15.9		-	-	1.96	6.15		
25	WWC7	1.00	5.00	-0.05	-0.05	-	0	0	1.6	1.8	18.4	18.5		-	-	1.80	4.92		
26	WWC 8	1.00	6.00	-0.05	-0.05	-	0	0	2.4	2.4	17.1	17.1		-	-	1.68	7.00		
27	WWC 9	1.00	7.00	-0.06	-0.06	-	0	0	1.9	1.9	18	18		-	-	2.15	-		
28	WWC 10	1.00	6.00	-0.04	-0.04	-	0	0	0.2	0.2	19.1	19.3		-	-	-	-		
29	WWC 11	1.00	6.00	-0.04	-0.04	-	0	0	3.4	3.5	16	16.3		-	-	1.21	7.04		
30	WWC 12	1.00	7.00	-0.06	-0.06	-	0.2	0.2	2	2.1	0	1.5		-	-	-	7.25		
31	WWC 13	1.00	6.00	0.01	0.01	-	0	0	0.4	2.1	14.7	18.4		-	-	1.27	7.12		
32	WWC 14(1)	2.50	3.50	-0.07	-0.07	-	0	0	0.1	0.3	19.5	19.7		-	-	1.25	3.40		

COMMENTS & GROUND CONDITIONS:

Groundwater and Ground Gas Monitoring Form

VISIT 3

Site Name	Northstowe
Client	Gallagher Estates
Job No.	12170626/002
Date	29/01/2007 - 01/02/2007
Start Time	
End Time	

Operator	RC/LF/CW
Pressure at Start mB	1026
Pressure at End mB	1025
Weather Conditions	Sunny/Dry/Cool/Windy
Temperature oC	

Equipment	Serial No.	Calibrated
Gas Analyser	GA2000	Yes
Dipmeter		
Interface Probe	30m	N/A
PID		

	Borehole	Response Zone (m)		Gas Flow (l/hr)		Borehole Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gasses (ppmV)			Depth to Water	Depth to Base	Thickness of product	Sampled?
		Top	Bottom	Initial	Steady	(mB)	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	(m)	(m)	(mm)	(Y/N)
1	BHC 1	1.00	3.20																
2	BHC 2	1.00	9.00																
3	BHC 3	1.50	7.00	0	0	-	0	0	0	0.1	21.3	21.4		-	-	1.32	2.42		
4	BHC 4	1.00	7.00	-0.1	-0.1	-	0	0	0	0.7	19.2	21.4		-	-	1.61	7.01		
5	BHC 5	1.00	7.00	-0.3	-0.3	-	0	0	0	0.8	18.1	21		-	-	0.93	6.43		
6	BHC 6	1.00	3.20	0	0	-	0	0	0	0	21.3	21.4		-	-	1.49	3.22		
7	BHC 7A	1.00	2.40																
8	BHC 7A	3.40	7.00																
9	BHC 8	1.00	7.00																
10	BHC 10	1.00	7.00	1.1	1.1	-	0	0	0.1	0.4	15.2	20.8		-	-	0.32	6.75		
11	BHC 11	0.80	7.00	0	0	-	0.1	0.1	0.1	0.2	21.2	21.2		-	-	0.63	5.92		
12	BHC 20	1.20	9.00																
13	BHC 21	2.00	12.70																
14	BHC 22	4.00	5.00																
15	BHC 23	4.50	5.35																
16	BHC 24	5.00	6.00																

COMMENTS & GROUND CONDITIONS:

Groundwater and Ground Gas Monitoring Form

VISIT 3

Site Name	Northstowe
Client	Gallagher Estates
Job No.	12170626/002
Date	
Start Time	
End Time	

Operator	RC/LF/CW
Pressure at Start mB	1026
Pressure at End mB	1025
Weather Conditions	Sunny/Dry/Cool/Windy
Temperature oC	

Equipment	Serial No.	Calibrated
Gas Analyser	GA2000	Yes
Dipmeter		
Interface Probe	30m	N/A
PID		

	Borehole	Response Zone (m)		Gas Flow (l/hr)		Borehole Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gasses (ppmV)			Depth to Water	Depth to Base	Thickness of product	Sampled?
		Top	Bottom	Initial	Steady	(mB)	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	(m)	(m)	(mm)	(Y/N)
17	BHC 26	1.00	7.00																
18	WWC 1 (1)	2.50	7.00	0	0	-	0	0	0	0	21.3	21.3		-	-	1.56	6.66		
19	WWC 1 (2)	1.00	2.00	0	0	-	0	0.1	0..1	0.1	21.1	21.1		-	-	1.55	1.95		
20	WWC 2	1.00	7.00																
21	WWC 3	1.00	7.00	0.1	0.1	-	0.1	2.4	0.2	4.3	0.9	21.3		-	-	1.65	6.75		
22	WWC 4	1.00	7.00	0	0	-	0	0	1.1	1.1	20.3	20.4		-	-	1.38	4.26		
23	WWC 5	1.00	6.00	0.1	0.1	-	0	0.1	0	0	21.4	21.5		-	-	1.52	6.97		
24	WWC 6	1.00	6.00	0	0	-	0	0	0.2	0.3	21.3	21.4		-	-	1.54	6.15		
25	WWC7	1.00	5.00	0	0	-	0	0	0.2	0.3	21	21.4		-	-	1.50	4.90		
26	WWC 8	1.00	6.00	0	0	-	0.1	0.1	0.1	0.2	21.5	21.6		-	-	1.49	6.90		
27	WWC 9	1.00	7.00	0.1	0.1	-	0	0	1.2	1.2	19.9	20		-	-	1.81	6.74		
28	WWC 10	1.00	6.00	0	0	-	0	0	0.1	0.1	21.2	21.3		-	-	1.18	7.04		
29	WWC 11	1.00	6.00	1.6	1.6	-	0	0	0	0	21.3	21.4		-	-	0.87	6.85		
30	WWC 12	1.00	7.00	1.5	1.5	-	0	0	0	0	21.2	21.3		-	-	1.00	6.95		
31	WWC 13	1.00	6.00	0.2	0.2	-	0	0	0.1	0.1	21	21.2		-	-	0.93	4.85		
32	WWC 14(1)	2.50	3.50	0.04	0.04	-	0	0.1	0	0.1	21.4	21.5		-	-	0.76	3.40		

COMMENTS & GROUND CONDITIONS:

Groundwater and Ground Gas Monitoring Form

VISIT 4

Site Name	Northstowe
Client	Gallagher Estates
Job No.	12170626/002
Date	19/02/2007 - 21/02/2007
Start Time	
End Time	

Operator	RC/LF/CW
Pressure at Start mB	1009
Pressure at End mB	1000
Weather Conditions	Wet/Drizzle
Temperature oC	

Equipment	Serial No.	Calibrated
Gas Analyser	GA2000	Yes
Dipmeter		
Interface Probe	30m	N/A
PID		

	Borehole	Response Zone (m)		Gas Flow (l/hr)		Borehole Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gasses (ppmV)			Depth to Water	Depth to Base	Thickness of product	Sampled?
		Top	Bottom	Initial	Steady	(mB)	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	(m)	(m)	(mm)	(Y/N)
1	BHC 1	1.00	3.20																
2	BHC 2	1.00	9.00																
3	BHC 3	1.50	7.00	0.3	0.3	-	0	0	0.1	0.1	20.5	20.8		-	-	1.32	6.81		
4	BHC 4	1.00	7.00	-0.1	-0.1	-	0	0	0.1	0.1	20.4	20.5		-	-	1.58	7.03		
5	BHC 5	1.00	7.00	0.5	0.5	-	0	0	0.2	0.4	19.3	20.2		-	-	0.85	-		
6	BHC 6	1.00	3.20	0.8	0.8	-	0	0	0.1	0.1	20.8	20.8		-	-	1.80	3.22		
7	BHC 7A	1.00	2.40																
8	BHC 7A	3.40	7.00																
9	BHC 8	1.00	7.00																
10	BHC 10	1.00	7.00																
11	BHC 11	0.80	7.00	0.2	0.2	-	0.1	0.1	0.1	0.2	21.1	21.3		-	-	0.60	6.81		
12	BHC 20	1.20	9.00																
13	BHC 21	2.00	12.70																
14	BHC 22	4.00	5.00																
15	BHC 23	4.50	5.35																
16	BHC 24	5.00	6.00																

COMMENTS & GROUND CONDITIONS:

Groundwater and Ground Gas Monitoring Form

VISIT 4

Site Name	Northstowe
Client	Gallagher Estates
Job No.	12170626/002
Date	19/02/2007 - 21/02/2007
Start Time	
End Time	

Operator	RC/LF/CW
Pressure at Start mB	1009
Pressure at End mB	1000
Weather Conditions	Wet/Drizzle
Temperature oC	

Equipment	Serial No.	Calibrated
Gas Analyser	GA2000	Yes
Dipmeter		
Interface Probe	30m	N/A
PID		

	Borehole	Response Zone (m)		Gas Flow (l/hr)		Borehole Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gasses (ppmV)			Depth to Water	Depth to Base	Thickness of product	Sampled?
		Top	Bottom	Initial	Steady	(mB)	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	(m)	(m)	(mm)	(Y/N)
17	BHC 26	1.00	7.00																
18	WWC 1 (1)	2.50	7.00	0.1	0.1	-	0	0	0.1	0.1	20.6	20.7		-	-	1.56	6.65		
19	WWC 1 (2)	1.00	2.00	0.1	0.1	-	0	0	0.1	0.1	20.6	20.8		-	-	1.55	1.98		
20	WWC 2	1.00	7.00																
21	WWC 3	1.00	7.00	0.4	0.4	-	4	5.1	3.8	4.1	2.3	4		-	-	1.65	-		
22	WWC 4	1.00	7.00	0.6	0.6	-	0	0	0.1	0.3	20.1	20.7		-	-	1.17	4.64		
23	WWC 5	1.00	6.00																
24	WWC 6	1.00	6.00																
25	WWC7	1.00	5.00																
26	WWC 8	1.00	6.00	0.3	0.3	-	0	0	0.1	0.1	20.7	20.9		-	-	1.48	7.01		
27	WWC 9	1.00	7.00	0.5	0.5	-	0	0	0.3	0.9	20.4	20.6		-	-	1.78	6.86		
28	WWC 10	1.00	6.00	0.2	0.2	-	0	0	0.1	0.1	21.2	21.3		-	-	1.19	6.99		
29	WWC 11	1.00	6.00	0.1	0.1	-	0	0	0.4	1	19.5	20.6		-	-	0.88	6.97		
30	WWC 12	1.00	7.00																
31	WWC 13	1.00	6.00																
32	WWC 14(1)	2.50	3.50																

COMMENTS & GROUND CONDITIONS:

V1.2

Groundwater and Ground Gas Monitoring Form

VISIT 5

Site Name	Northstowe
Client	Gallagher Estates
Job No.	12170626/002
Date	28/03/2007 - 29/03/2007
Start Time	
End Time	

Operator	RC and CW
Pressure at Start mB	1014
Pressure at End mB	1009
Weather Conditions	Wet/Foggy
Temperature oC	

Equipment	Serial No.	Calibrated
Gas Analyser	GA2000	Yes
Dipmeter		
Interface Probe	30m	N/A
PID		

	Borehole	Response Zone (m)		Gas Flow (l/hr)		Borehole Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gasses (ppmV)			Depth to Water	Depth to Base	Thickness of product	Sampled?
		Top	Bottom	Initial	Steady	(mB)	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	(m)	(m)	(mm)	(Y/N)
1	BHC 1	1.00	3.20																
2	BHC 2	1.00	9.00																
3	BHC 3	1.50	7.00	-0.2	-0.2	-	0	0.1	0.6	0.6	20.7	20.8		-	-	1.42	-		
4	BHC 4	1.00	7.00	-0.4	-0.4	-	0	0	0	0	21.2	21.4		-	-	1.67	-		
5	BHC 5	1.00	7.00	-0.2	-0.2	-	0	0	0.2	0.4	20.5	20.9		-	-	1.05	-		
6	BHC 6	1.00	3.20	-0.2	-0.2	-	0	0.1	0.1	0.1	21.3	21.4		-	-	1.81	3.21		
7	BHC 7A	1.00	2.40																
8	BHC 7A	3.40	7.00																
9	BHC 8	1.00	7.00																
10	BHC 10	1.00	7.00	2.7	2.7	-	0	0	0.1	0.1	20.7	21		-	-	0.48	-		
11	BHC 11	0.80	7.00																
12	BHC 20	1.20	9.00																
13	BHC 21	2.00	12.70																
14	BHC 22	4.00	5.00																
15	BHC 23	4.50	5.35																
16	BHC 24	5.00	6.00																

COMMENTS & GROUND CONDITIONS: BHC3 - gas bung missing. WWC8 is in road not as marked. Can't find BHC2

V1.2

Groundwater and Ground Gas Monitoring Form

VISIT 5

Site Name	Northstowe
Client	Gallagher Estates
Job No.	12170626/002
Date	28/03/2007 - 29/03/2007
Start Time	
End Time	

Operator	RC and CW
Pressure at Start mB	1014
Pressure at End mB	1009
Weather Conditions	Wet/Foggy
Temperature oC	

Equipment	Serial No.	Calibrated
Gas Analyser	GA2000	Yes
Dipmeter		
Interface Probe	30m	N/A
PID		

	Borehole	Response Zone (m)		Gas Flow (l/hr)		Borehole Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gasses (ppmV)			Depth to Water	Depth to Base	Thickness of product	Sampled?
		Top	Bottom	Initial	Steady	(mB)	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	(m)	(m)	(mm)	(Y/N)
17	BHC 26	1.00	7.00																
18	WWC 1 (1)	2.50	7.00	-0.2	-0.2	-	0.1	0.1	0.4	0.1	21	21.3		-	-	1.66	9.60		
19	WWC 1 (2)	1.00	2.00	-0.1	-0.1	-	0	0	0	0	21.3	21.4		-	-	1.65	-		
20	WWC 2	1.00	7.00																
21	WWC 3	1.00	7.00	0.3	0.3	-	0.8	0.9	3.9	3.4	8.3	10		-	-	1.72	-		
22	WWC 4	1.00	7.00	2.4	2.4	-	0.1	0.1	1.4	2.1	18.8	19.8		-	-	1.47	-		
23	WWC 5	1.00	6.00																
24	WWC 6	1.00	6.00																
25	WWC7	1.00	5.00																
26	WWC 8	1.00	6.00	-0.3	-0.3	-	0	0	0.7	0.9	20.6	20.7		-	-	1.58	-		
27	WWC 9	1.00	7.00	0.1	0.1	-	0	0.1	1.2	0.3	20.6	21.1		-	-	1.88	-		
28	WWC 10	1.00	6.00	-0.2	-0.2	-	0	0	0	0	21.1	21.1		-	-	1.28	-		
29	WWC 11	1.00	6.00	-0.9	-0.9	-	0	0.1	0	0	20.8	21.1		-	-	0.96	-		
30	WWC 12	1.00	7.00																
31	WWC 13	1.00	6.00																
32	WWC 14(1)	2.50	3.50																

COMMENTS & GROUND CONDITIONS:

V1.2

Groundwater and Ground Gas Monitoring Form

VISIT 6

Site Name	Northstowe
Client	Gallagher Estates
Job No.	12170626/002
Date	17/04/2007 - 19/04/2007
Start Time	
End Time	

Operator	RC & CW
Pressure at Start mB	1021
Pressure at End mB	1014
Weather Conditions	Dry/Sunny/Slightly Windy
Temperature oC	

Equipment	Serial No.	Calibrated
Gas Analyser	GA2000	Yes
Dipmeter		
Interface Probe	30m	N/A
PID		

	Borehole	Response Zone (m)		Gas Flow (l/hr)		Borehole Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gasses (ppmV)			Depth to Water	Depth to Base	Thickness of product	Sampled?
		Top	Bottom	Initial	Steady	(mB)	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	(m)	(m)	(mm)	(Y/N)
1	BHC 1	1.00	3.20																
2	BHC 2	1.00	9.00																
3	BHC 3	1.50	7.00																
4	BHC 4	1.00	7.00																
5	BHC 5	1.00	7.00																
6	BHC 6	1.00	3.20																
7	BHC 7A	1.00	2.40																
8	BHC 7A	3.40	7.00																
9	BHC 8	1.00	7.00																
10	BHC 10	1.00	7.00																
11	BHC 11	0.80	7.00																
12	BHC 20	1.20	9.00																
13	BHC 21	2.00	12.70																
14	BHC 22	4.00	5.00																
15	BHC 23	4.50	5.35																
16	BHC 24	5.00	6.00																

COMMENTS & GROUND CONDITIONS: BHC3 - gas bung missing

Groundwater and Ground Gas Monitoring Form

VISIT 6

Site Name	Northstowe
Client	Gallagher Estates
Job No.	12170626/002
Date	17/04/2007 - 19/04/2007
Start Time	
End Time	

Operator	RC & CW
Pressure at Start mB	1021
Pressure at End mB	1014
Weather Conditions	Dry/Sunny/Slightly Windy
Temperature oC	

Equipment	Serial No.	Calibrated
Gas Analyser	GA2000	Yes
Dipmeter		
Interface Probe	30m	N/A
PID		

	Borehole	Response Zone (m)		Gas Flow (l/hr)		Borehole Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gasses (ppmV)			Depth to Water	Depth to Base	Thickness of product	Sampled?
		Top	Bottom	Initial	Steady	(mB)	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	(m)	(m)	(mm)	(Y/N)
17	BHC 26	1.00	7.00																
18	WWC 1 (1)	2.50	7.00																
19	WWC 1 (2)	1.00	2.00																
20	WWC 2	1.00	7.00																
21	WWC 3	1.00	7.00																
22	WWC 4	1.00	7.00																
23	WWC 5	1.00	6.00																
24	WWC 6	1.00	6.00																
25	WWC7	1.00	5.00																
26	WWC 8	1.00	6.00																
27	WWC 9	1.00	7.00																
28	WWC 10	1.00	6.00																
29	WWC 11	1.00	6.00																
30	WWC 12	1.00	7.00																
31	WWC 13	1.00	6.00																
32	WWC 14(1)	2.50	3.50																

COMMENTS & GROUND CONDITIONS:

V1.2

Groundwater and Ground Gas Monitoring Form

VISIT 7

Site Name	Northstowe
Client	Gallagher Estates
Job No.	12170626/002
Date	22/05/2007 - 25/05/2007
Start Time	
End Time	

Operator	RC & CW
Pressure at Start mB	1020
Pressure at End mB	1000
Weather Conditions	Sunny/Dry/Windy to Heavy Rainfall
Temperature oC	

Equipment	Serial No.	Calibrated
Gas Analyser	GA2000	Yes
Dipmeter		
Interface Probe	30m	No
PID		

	Borehole	Response Zone (m)		Gas Flow (l/hr)		Borehole Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gasses (ppmV)			Depth to Water	Depth to Base	Thickness of product	Sampled?
		Top	Bottom	Initial	Steady	(mB)	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	(m)	(m)	(mm)	(Y/N)
1	BHC 1	1.00	3.20																
2	BHC 2	1.00	9.00																
3	BHC 3	1.50	7.00	-0.2	0.2	-	0	0	0.3	0.1	20.3	20.5		-	-	1.35	6.87		
4	BHC 4	1.00	7.00	0	0	-	0	0	0.4	0.3	20.2	20.4		-	-	1.62	7.05		
5	BHC 5	1.00	7.00	0.2	0.2	-	0	0	1.2	0.3	18.7	20.1		-	-	0.72	-		
6	BHC 6	1.00	3.20	0	0	-	0	0	0.2	0.2	20.2	20.2		-	-	1.55	3.18		
7	BHC 7A	1.00	2.40																
8	BHC 7A	3.40	7.00																
9	BHC 8	1.00	7.00																
10	BHC 10	1.00	7.00																
11	BHC 11	0.80	7.00																
12	BHC 20	1.20	9.00																
13	BHC 21	2.00	12.70																
14	BHC 22	4.00	5.00																
15	BHC 23	4.50	5.35																
16	BHC 24	5.00	6.00																

COMMENTS & GROUND CONDITIONS:

Groundwater and Ground Gas Monitoring Form

VISIT 7

Site Name	Northstowe
Client	Gallagher Estates
Job No.	12170626/002
Date	22/05/2007 - 25/05/2007
Start Time	
End Time	

Operator	RC & CW
Pressure at Start mB	1020
Pressure at End mB	1000
Weather Conditions	Sunny/Dry/Windy to Heavy Rainfall
Temperature oC	

Equipment	Serial No.	Calibrated
Gas Analyser	GA2000	Yes
Dipmeter		
Interface Probe	30m	No
PID		

	Borehole	Response Zone (m)		Gas Flow (l/hr)		Borehole Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gasses (ppmV)			Depth to Water	Depth to Base	Thickness of product	Sampled?
		Top	Bottom	Initial	Steady	(mB)	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	(m)	(m)	(mm)	(Y/N)
17	BHC 26	1.00	7.00													1.65	6.74		
18	WWC 1 (1)	2.50	7.00	0	-0.2	-	0.6	1.4	1.4	0.6	11.1	17		-	-	1.66	2.01		
19	WWC 1 (2)	1.00	2.00	0	0	-	2	2.3	1	1	16.2	16.3		-	-				
20	WWC 2	1.00	7.00													1.71	6.75		
21	WWC 3	1.00	7.00	0	0	-	3.6	4	6.5	6.6	2.4	1.7		-	-	1.44	6.75		
22	WWC 4	1.00	7.00	0	0	-	0	0	0.4	0.3	20.2	20.4		-	-				
23	WWC 5	1.00	6.00																
24	WWC 6	1.00	6.00																
25	WWC7	1.00	5.00													1.49	6.98		
26	WWC 8	1.00	6.00	0	-0.2	-	0	0	0.4	0.2	19.9	20.4		-	-	1.75	6.80		
27	WWC 9	1.00	7.00	0	0	-	0	0	0.4	0.1	20	20.5		-	-	0.84	-		
28	WWC 10	1.00	6.00	0	0	-	0	0	0	0	20.2	20.4		-	-	0.76	6.88		
29	WWC 11	1.00	6.00	0	0	-	0	0	0	0	20.4	20.4		-	-				
30	WWC 12	1.00	7.00																
31	WWC 13	1.00	6.00																
32	WWC 14(1)	2.50	3.50																

COMMENTS & GROUND CONDITIONS:

V1.2

Groundwater and Ground Gas Monitoring Form

VISIT 1

Site Name	Northstone
Client	Gallagher Estates
Job No.	12170626/004
Date	20-21.11.07
Start Time	10.15am
End Time	

Operator	Lizzie Beers / Becky Couchman
Pressure at Start mB	1006
Pressure at End mB	
Weather Conditions	Damp, cold, rained night before, misty
Temperature oC	

Equipment	Serial No.	Calibrated
Gas Analyser	GA2000	Yes
Dipmeter	Model 101	
Interface Probe		
PID		

	Borehole	Response Zone (m)		Gas Flow (l/hr)		Borehole Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gasses (ppmV)			Depth to Water	Depth to Base	Thickness of product	Sampled?
		Top	Bottom	Initial	Steady	(mB)	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	(m)	(m)	(mm)	(Y/N)
1	BHD 1			0	-0.1	+0.25	0	0	0.5	0.5	20.6	20.5		0	0	0.84	6.06		
2	BHD 2			+0.1	+0.1	-0.32	0	0	1.3	0.8	19.9	19.9		0	0	0.88	1.90		
3	BHD 3			+0.1	+0.1	-0.26	0	0	0.1	1.2	20.4	20.2		0	0	1.22	6.99		
4	BHD 5																		
5	BHD 6															0.74	5.02		
6	BHD 7			-0.1	-0.1	+2.42	0	0	0.2	0.1	20.9	20.9		0	0	1.06	7.26		
7	BHD 8			-0.1	-0.1	-0.21	0	0	0.5	0.5	20.5	20.5		0	0	0.72	4.64		
8	BHD 9			+0.1	+0.1	-0.21	0	0	0	0	20.8	20.9		0	0	0.54	6.48		
9	BHD 10			0	0	-0.16	0	0	1.6	1.9	20.1	19.9		0	0	1.43	1.68		
10	BHD 11			0	0	-0.34	0	0	0.5	0.5	20.6	20.5		0	0	1.90	3.05		
11	BHD 12															5.59	6.85		
12	BHD 14			-0.1	-0.1	-0.14	0	0	0.1	0.1	20.9	20.9		0	0	3.49	5.76		
13	BHD 15			0	0	-0.12	0	0	0.5	0.4	20.6	20.6		0	0	2.12	2.55		
14	BHD 16			-0.2	-0.1	-0.17	0	0	1.7	1.7	19.8	19.8		0	0	1.57	2.07		
15	BHD 17			-0.1	-0.1	-0.17	0	0	2	2	19.5	19.1		0	0	1.26	5.79		
16	BHD 19			-0.2	-0.1	0	0	0	0.5	0.2	20.6	20.8		0	0	can't dip			

COMMENTS & GROUND CONDITIONS: Staging board 2.8m. BHD12 dip only as installation damaged

Groundwater and Ground Gas Monitoring Form

VISIT 1

Site Name	Northstone
Client	Gallagher Estates
Job No.	12170626/004
Date	20-21.11.07
Start Time	10.15am
End Time	

Operator	Lizzie Beers / Becky Couchman
Pressure at Start mB	1006
Pressure at End mB	
Weather Conditions	Damp, cold, rained night before, misty
Temperature oC	

Equipment	Serial No.	Calibrated
Gas Analyser	GA2000	Yes
Dipmeter	Model 101	
Interface Probe		
PID		

	Borehole	Response Zone (m)		Gas Flow (l/hr)		Borehole Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gasses (ppmV)			Depth to Water	Depth to Base	Thickness of product	Sampled?
		Top	Bottom	Initial	Steady	(mB)	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	(m)	(m)	(mm)	(Y/N)
17	BHD 20			0	0	-0.12	0	0	0.6	0.3	20.7	20.8		0	0	0.73	5.61		
18	BHD 21																		
19	BHD 22																		
20	BHD 23																		
21	BHD 24																		
22	BHD 25			0.0	0.0	-0.17	0	0	0.1	0.1	20.7	20.8		0	0	1.01	5.76		
23	BHD 26			-0.2	-0.2	-0.11	0	0	0.2	0.1	20.7	20.9		0	0	0.715	5.78		
24	BHD 28			-0.1	-0.1	+0.51	0	0	0.5	0.5	20.8	20.7		0	0	0.67	6.46		
25	BHD 29			0.0	0.0	-0.26	0	0	1.8	1.7	20.8	19.7		0	0	1.28	6.61		
26	BHD 31			+0.1	+0.1	+2.85	0	0	0.6	0.4	20.6	20.8		0	0	1.12	6.76		
27	BHD 32																		
28	BHD 34			-0.2	-0.1	+1.37	0	0	0.1	0	20.9	21.0		0	0	2.97	6.82		
29	BHD 35			-0.1	0.0	-0.21	0	0	0.3	0.3	20.9	20.9		0	0	1.005	6.76		
30	BHD 38			+0.1	0.0	-0.30	0	0	0	0	20.5	20.5		0	0	1.455	2.26		
31	BHD 39			-0.8	-0.1	-0.14	0	0	0	0	20.8	20.9		0	0	1.232	6.60		
32																			

COMMENTS & GROUND CONDITIONS:

Groundwater and Ground Gas Monitoring Form

VISIT 2

Site Name	Northstone
Client	Gallagher Estates
Job No.	12170626/004
Date	13/11/2006 - 20/11/2006
Start Time	
End Time	

Operator	RC/LF/CW
Pressure at Start mB	1007
Pressure at End mB	986
Weather Conditions	Overcast/Drizzle
Temperature oC	

Equipment	Serial No.	Calibrated
Gas Analyser	GA2000	Yes
Dipmeter	30m	N/A
Interface Probe		
PID		

	Borehole	Response Zone (m)		Gas Flow (l/hr)		Borehole Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gasses (ppmV)			Depth to Water	Depth to Base	Thickness of product	Sampled?
		Top	Bottom	Initial	Steady	(mB)	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	(m)	(m)	(mm)	(Y/N)
1	BHD 1			0	0	-	0	0	0.2	0.2	19.2	19.3		-	-	0.86	6.22		
2	BHD 2			0	0	-	0	0	0.9	1.8	18.5	19		-	-	0.77	6.05		
3	BHD 3			0	0	-	0	0	0.8	1.1	18.6	18.9		-	-	2.09	6.89		
4	BHD 5			0	0	-	0	0	2.4	2.4	17.1	17.5		-	-	1.89	6.46		
5	BHD 6																		
6	BHD 7			0	0	-	0	0	0	0	19.7	19.7		-	-	1.25	7.33		
7	BHD 8			0	0	-	0	0	0.1	0.1	19.4	19.6		-	-	-	-		
8	BHD 9			0	0	-	0	0	0	0	19.8	19.9		-	-	0.70	6.62		
9	BHD 10			0	0	-	0	0	2.7	2.8	19.6	17.3		-	-	1.57	1.77		
10	BHD 11			0	0	-	0	0	1.7	1.7	18	18.1		-	-	2.42	4.28		
11	BHD 12			0	0	-	0	0	0.4	0.4	18.6	18.8		-	-	-	-		
12	BHD 14			0	0	-	0	0	0.4	0.4	19.4	19.4		-	-	3.57	5.86		
13	BHD 15			0	0	-	0	0	0.1	0.1	19.7	19.7		-	-	2.35	2.61		
14	BHD 16			0	0	-	0	0	2	2.2	18.3	18.5		-	-	1.66	2.14		
15	BHD 17			0	0	-	0	0	2.8	2.8	17.1	17.4		-	-	1.20	5.80		
16	BHD 19			0	0	-	0	0	0.5	1.8	18.4	19.5		-	-	-	-		

COMMENTS & GROUND CONDITIONS:

Groundwater and Ground Gas Monitoring Form

VISIT 2

Site Name	Northstone
Client	Gallagher Estates
Job No.	12170626/004
Date	13/11/2006 - 20/11/2006
Start Time	
End Time	

Operator	RC/LF/CW
Pressure at Start mB	1007
Pressure at End mB	986
Weather Conditions	Overcast/Drizzle
Temperature oC	

Equipment	Serial No.	Calibrated
Gas Analyser	GA2000	Yes
Dipmeter	30m	N/A
Interface Probe		
PID		

	Borehole	Response Zone (m)		Gas Flow (l/hr)		Borehole Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gasses (ppmV)			Depth to Water	Depth to Base	Thickness of product	Sampled?
		Top	Bottom	Initial	Steady	(mB)	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	(m)	(m)	(mm)	(Y/N)
17	BHD 20			0	0	-	0	0	0	0	19.5	19.6		-	-	1.50	6.30		
18	BHD 21																		
19	BHD 22			0	0	-	0	0	0.1	0.1	19.4	19.5		-	-				
20	BHD 23			0	0	-	0	0	1.3	1.4	18.4	18.5		-	-	1.45	6.46		
21	BHD 24			0	0	-	0	0	0	0	20.5	20.5		-	-	-	-		
22	BHD 25			-1.5	4	-	0	0	0	0	20.4	20.5		-	-	0.89	5.50		
23	BHD 26			0	0	-	0	0	0.1	0.2	19.9	19.9		-	-	0.97	5.50		
24	BHD 28			0	0	-	0	0	0	0	20	20.2		-	-	0.44	6.56		
25	BHD 29			0	0	-	0	0	1.5	2	19	19.3		-	-	0.77	6.71		
26	BHD 31																		
27	BHD 32																		
28	BHD 34																		
29	BHD 35																		
30	BHD 38																		
31	BHD 39																		
32																			

COMMENTS & GROUND CONDITIONS:

Groundwater and Ground Gas Monitoring Form

VISIT 3

Site Name	Northstone
Client	Gallagher Estates
Job No.	12170626/004
Date	29/01/2007 - 01/02/2007
Start Time	
End Time	

Operator	RC/LF/CW
Pressure at Start mB	1026
Pressure at End mB	1025
Weather Conditions	Sunny/Dry/Cool/Windy
Temperature oC	

Equipment	Serial No.	Calibrated
Gas Analyser	GA2000	Yes
Dipmeter	30m	N/A
Interface Probe		
PID		

	Borehole	Response Zone (m)		Gas Flow (l/hr)		Borehole Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gasses (ppmV)			Depth to Water	Depth to Base	Thickness of product	Sampled?
		Top	Bottom	Initial	Steady	(mB)	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	(m)	(m)	(mm)	(Y/N)
1	BHD 1			0	0	-	0	0	0.1	0.1	21.1	21.2		-	-	0.61	-		
2	BHD 2			0	0	-	0	0	0.9	0.9	20.7	20.8		-	-	0.76	6.04		
3	BHD 3			0	0	-	0	0	0.3	0.4	20.7	20.9		-	-	1.01	6.93		
4	BHD 5			0.1	0.1	-	0	0	1	1	19.4	19.5		-	-	1.03	6.41		
5	BHD 6																		
6	BHD 7			0	0	-	0	0	0	0.1	21.2	21.2		-	-	0.89	5.18		
7	BHD 8			0.1	0.1	-	0	0	0.3	0.3	20.1	20.2		-	-	0.61	4.68		
8	BHD 9			0	0	-	0	0	0	0	21.1	21.3		-	-	0.55	6.55		
9	BHD 10			0.1	0.1	-	0	0	0.2	0.2	21	21.1		-	-	1.25	1.72		
10	BHD 11			0	0	-	0.1	0.1	1.5	1.5	17.5	17.6		-	-	1.31	4.17		
11	BHD 12			0	0	-	0.1	0.1	0.7	0.7	17.8	18		-	-	-	-		
12	BHD 14			0.1	0.1	-	0.1	0.1	0.3	0.3	21.3	21.3		-	-	1.95	5.72		
13	BHD 15			0	0	-	0	0	0.1	0.2	21.4	21.5		-	-	1.31	2.57		
14	BHD 16			-0.4	-0.4	-	0	0	1.1	1.2	20.1	20.5		-	-	0.94	2.1		
15	BHD 17			0	0	-	0.1	0.1	1.4	1.8	20.4	20.4		-	-	0.92	5.86		
16	BHD 19																		

COMMENTS & GROUND CONDITIONS:

Groundwater and Ground Gas Monitoring Form

VISIT 3

Site Name	Northstone
Client	Gallagher Estates
Job No.	12170626/004
Date	29/01/2007 - 01/02/2007
Start Time	
End Time	

Operator	RC/LF/CW
Pressure at Start mB	1026
Pressure at End mB	1025
Weather Conditions	Sunny/Dry/Cool/Windy
Temperature oC	

Equipment	Serial No.	Calibrated
Gas Analyser	GA2000	Yes
Dipmeter	30m	N/A
Interface Probe		
PID		

	Borehole	Response Zone (m)		Gas Flow (l/hr)		Borehole Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gasses (ppmV)			Depth to Water	Depth to Base	Thickness of product	Sampled?
		Top	Bottom	Initial	Steady	(mB)	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	(m)	(m)	(mm)	(Y/N)
17	BHD 20			-0.1	-0.1	-	0	0.1	0.1	0.1	21.8	21.8		-	-	0.62	6.22		
18	BHD 21																		
19	BHD 22			0	0	-	0.1	0.1	0.1	0.1	21.4	21.5		-	-	1.38	6.49		
20	BHD 23			0.1	0.1	-	0.1	0.1	0.9	1	20	21		-	-	0.96	6.71		
21	BHD 24			0.1	0.1	-	0	0	0	0.1	21.2	21.3		-	-	0.93	6.21		
22	BHD 25			0	0	-	0.1	0.1	0.1	0.1	21.5	21.5		-	-	0.72	5.70		
23	BHD 26			0.2	0.2	-	0	0	0	0.1	21.4	21.5		-	-	0.71	5.86		
24	BHD 28			0.1	0.1	-	0	0	0	0	21.3	21.3		-	-	0.41	6.49		
25	BHD 29			0.2	0.2	-	0	0	1.2	1.4	20.5	20.7		-	-	0.72	6.65		
26	BHD 31																		
27	BHD 32																		
28	BHD 34																		
29	BHD 35																		
30	BHD 38																		
31	BHD 39																		
32																			

COMMENTS & GROUND CONDITIONS:

Groundwater and Ground Gas Monitoring Form

VISIT 4

Site Name	Northstone
Client	Gallagher Estates
Job No.	12170626/004
Date	19/02/2007 - 21/02/2007
Start Time	
End Time	

Operator	RC/LF/CW
Pressure at Start mB	1009
Pressure at End mB	1000
Weather Conditions	Wet/Drizzle
Temperature oC	

Equipment	Serial No.	Calibrated
Gas Analyser	GA2000	Yes
Dipmeter	30m	N/A
Interface Probe		
PID		

	Borehole	Response Zone (m)		Gas Flow (l/hr)		Borehole Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gasses (ppmV)			Depth to Water	Depth to Base	Thickness of product	Sampled?
		Top	Bottom	Initial	Steady	(mB)	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	(m)	(m)	(mm)	(Y/N)
1	BHD 1			1.1	1.1	-	0	0	0.1	0.1	20.8	21		-	-	0.57	6.10		
2	BHD 2			1	1	-	0	0	0.1	0.1	20.9	21.1		-	-	0.89	6.00		
3	BHD 3			0.8	0.8	-	0	0	0.1	0.1	21	21.1		-	-	0.80	6.98		
4	BHD 5			1.2	1.2	-	0	0	0.1	0.1	20.9	21.1		-	-	0.95	6.44		
5	BHD 6																		
6	BHD 7			0.6	0.6	-	0	0	0.1	0.1	20.8	20.8		-	-	0.91	7.38		
7	BHD 8			1.2	1.2	-	0	0	0.1	0.1	20.9	21		-	-	0.64	5.00		
8	BHD 9			1.2	1.2	-	0	0	0.1	0.1	21	21.1		-	-	0.54	6.53		
9	BHD 10			0.9	0.9	-	0	0	0.7	0.7	19.7	19.8		-	-	1.17	1.77		
10	BHD 11			0.8	0.8	-	0	0.1	1.1	1.2	18.8	19.1		-	-	1.19	4.17		
11	BHD 12			0.8	0.8	-	0	0	0.1	0.1	20.7	20.8		-	-	-	-		
12	BHD 14			0.9	0.9	-	0	0	0.5	0.6	20	20.6		-	-	2.78	5.83		
13	BHD 15			0.9	0.9	-	0	0	0.2	0.2	20.5	20.7		-	-	1.13	2.61		
14	BHD 16			0.9	0.9	-	0	0	0.7	0.8	19.7	19.9		-	-	1.08	2.13		
15	BHD 17			1.1	1.1	-	0	0	0.1	0.3	20.6	20.7		-	-	1.00	5.95		
16	BHD 19			1	1	-	0	0	0.1	0.1	20.6	20.7		-	-	-	-		

COMMENTS & GROUND CONDITIONS:

Groundwater and Ground Gas Monitoring Form

VISIT 4

Site Name	Northstone
Client	Gallagher Estates
Job No.	12170626/004
Date	19/02/2007 - 21/02/2007
Start Time	
End Time	

Operator	RC/LF/CW
Pressure at Start mB	1009
Pressure at End mB	1000
Weather Conditions	Wet/Drizzle
Temperature oC	

Equipment	Serial No.	Calibrated
Gas Analyser	GA2000	Yes
Dipmeter	30m	N/A
Interface Probe		
PID		

	Borehole	Response Zone (m)		Gas Flow (l/hr)		Borehole Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gasses (ppmV)			Depth to Water	Depth to Base	Thickness of product	Sampled?
		Top	Bottom	Initial	Steady	(mB)	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	(m)	(m)	(mm)	(Y/N)
17	BHD 20			0.8	0.8	-	0	0	0.1	0.2	20.7	20.8		-	-	1.98	6.49		
18	BHD 21																		
19	BHD 22			0.9	0.9	-	0	0	0.1	0.4	20.5	20.9		-	-	1.40	6.52		
20	BHD 23			0.1	0.1	-	0	0	1.3	1.4	18.9	19.2		-	-	0.76	6.47		
21	BHD 24			0.3	0.3	-	0	0	0.1	0.1	21.1	21.3		-	-	0.93	5.69		
22	BHD 25			0.2	0.2	-	0	0	0.1	0.1	21.1	21.2		-	-	0.72	5.85		
23	BHD 26			0.1	0.1	-	0	0	0.1	0.1	20.9	21		-	-	0.71	5.93		
24	BHD 28			0.1	0.1	-	0	0	0.1	0.1	21	21.2		-	-	0.37	-		
25	BHD 29			0.3	0.3	-	0	0	0.7	0.8	20.7	20.7		-	-	0.76	6.72		
26	BHD 31																		
27	BHD 32																		
28	BHD 34																		
29	BHD 35																		
30	BHD 38																		
31	BHD 39																		
32																			

COMMENTS & GROUND CONDITIONS:

Groundwater and Ground Gas Monitoring Form

VISIT 5

Site Name	Northstone
Client	Gallagher Estates
Job No.	12170626/004
Date	28/03/2007 - 29/03/2007
Start Time	
End Time	

Operator	RC and CW
Pressure at Start mB	1014
Pressure at End mB	1009
Weather Conditions	Wet/Foggy
Temperature oC	

Equipment	Serial No.	Calibrated
Gas Analyser	GA2000	Yes
Dipmeter	30m	N/A
Interface Probe		
PID		

	Borehole	Response Zone (m)		Gas Flow (l/hr)		Borehole Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gasses (ppmV)			Depth to Water	Depth to Base	Thickness of product	Sampled?
		Top	Bottom	Initial	Steady	(mB)	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	(m)	(m)	(mm)	(Y/N)
1	BHD 1			-0.1	-0.1	-	0	0	0	0	21.9	22		-	-	0.86	-		
2	BHD 2			0	0	-	0	0	2.2	2.2	18.1	18.5		-	-	0.89	-		
3	BHD 3			0.8	0.8	-	0	0	0	0	21.1	21.3		-	-	1.18	-		
4	BHD 5			0.1	0.1	-	0	0	1.8	1.8	19.6	19.7		-	-	1.19	-		
5	BHD 6					-	-	-	-	-	-	-		-	-	0.60	-		
6	BHD 7			0.1	0.1	-	0	0	0	0	21.3	21.4		-	-	1.01	-		
7	BHD 8			0.1	0.1	-	0	0	0.7	0.7	18.3	18.6		-	-	0.70	-		
8	BHD 9			0	0	-	0	0	0.1	0.1	21.3	21.3		-	-	0.65	-		
9	BHD 10			-0.1	-0.1	-	0	0	0	0	21.9	22		-	-	0.86	-		
10	BHD 11			0	0	-	0	0	1.8	1.8	19.4	19.6		-	-	1.59	-		
11	BHD 12																		
12	BHD 14			0.1	0.1	-	0	0	0.4	0.4	21.4	21.5		-	-	3.18	-		
13	BHD 15			0.7	0.7	-	0.1	0.2	1.5	1.6	19.3	19.4		-	-	1.25	-		
14	BHD 16																		
15	BHD 17			-0.4	-0.4	-	0.1	0.2	2.2	2.2	15.3	15.6		-	-	1.18	-		
16	BHD 19			-0.1	-0.1	-	0	0	0	0	21.5	21.6		-	-	-	-		

COMMENTS & GROUND CONDITIONS: BHD06 no bung

Groundwater and Ground Gas Monitoring Form

VISIT 5

Site Name	Northstone
Client	Gallagher Estates
Job No.	12170626/004
Date	28/03/2007 - 29/03/2007
Start Time	
End Time	

Operator	RC and CW
Pressure at Start mB	1014
Pressure at End mB	1009
Weather Conditions	Wet/Foggy
Temperature oC	

Equipment	Serial No.	Calibrated
Gas Analyser	GA2000	Yes
Dipmeter	30m	N/A
Interface Probe		
PID		

	Borehole	Response Zone (m)		Gas Flow (l/hr)		Borehole Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gasses (ppmV)			Depth to Water	Depth to Base	Thickness of product	Sampled?
		Top	Bottom	Initial	Steady	(mB)	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	(m)	(m)	(mm)	(Y/N)
17	BHD 20			-0.1	-0.1	-	0	0	0	0	21.5	21.6		-	-	0.71	-		
18	BHD 21																		
19	BHD 22			-0.1	-0.1	-	0	0	0	0	21	21.1		-	-	1.45	-		
20	BHD 23			-0.1	-0.1	-	0	0	1.2	1.5	19.5	20.1		-	-	1.36	-		
21	BHD 24			-0.1	-0.1	-	0	0	0	0	21.1	21.1		-	-	1.00	-		
22	BHD 25			-0.8	-0.8	-	0	1	0.3	0.2	20.8	20.8		-	-	-	-		
23	BHD 26			-0.4	-0.4	-	0	0	0.2	0.1	21.2	21.3		-	-	0.79	-		
24	BHD 28			-0.4	-0.4	-	0	0	0.7	0.7	19.7	19.8		-	-	0.78	-		
25	BHD 29			-0.3	-0.3	-	0	0.1	1	0.8	20.8	20.8		-	-	0.82	-		
26	BHD 31																		
27	BHD 32																		
28	BHD 34																		
29	BHD 35																		
30	BHD 38																		
31	BHD 39																		
32																			

COMMENTS & GROUND CONDITIONS: BHD22-25 recently ploughed fields

Groundwater and Ground Gas Monitoring Form

VISIT 6

Site Name	Northstone
Client	Gallagher Estates
Job No.	12170626/004
Date	17/04/2007 - 19/04/2007
Start Time	
End Time	

Operator	RC & CW
Pressure at Start mB	1021
Pressure at End mB	1014
Weather Conditions	Dry/Sunny/Slightly Windy
Temperature oC	

Equipment	Serial No.	Calibrated
Gas Analyser	GA2000	Yes
Dipmeter	30m	N/A
Interface Probe		
PID		

	Borehole	Response Zone (m)		Gas Flow (l/hr)		Borehole Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gasses (ppmV)			Depth to Water	Depth to Base	Thickness of product	Sampled?
		Top	Bottom	Initial	Steady	(mB)	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	(m)	(m)	(mm)	(Y/N)
1	BHD 1			-0.1	-0.1	-	0	0	0.5	0.5	20.1	20.1		-	-	1.03	-		
2	BHD 2			0.1	0.1	-	0	0	2.6	2.7	17.8	18		-	-	0.99	-		
3	BHD 3			-0.1	-0.1	-	0	0	0.6	0.6	20.4	20.5		-	-	1.37	-		
4	BHD 5			0.1	0.1	-	0	0	1.6	1.6	19.9	20		-	-	1.36	-		
5	BHD 6																		
6	BHD 7			0.2	0.2	-	0	0	0.1	0	20.8	20.8		-	-	1.06	-		
7	BHD 8			-0.5	-0.5	-	0	0	0.9	0.9	16.8	17		-	-	0.77	-		
8	BHD 9			-0.1	-0.1	-	0	0	1.1	1.1	19.1	19.6		-	-	0.79	-		
9	BHD 10			0.1	0.1	-	0	0	1.2	1.3	19.2	19.4		-	-	1.41	-		
10	BHD 11			0.2	0.2	-	0	0	1.7	1.7	18.5	18.6		-	-	1.78	-		
11	BHD 12			0.4	0.4	-	0	0	0.5	0.5	14.9	15.1		-	-	-	-		
12	BHD 14			0.8	0.8	-	0	0	0.4	0.4	20.3	20.3		-	-	3.29	-		
13	BHD 15			0.1	0.1	-	0	0	0.9	0.9	20.3	20.4		-	-	1.75	-		
14	BHD 16			0.1	0.1	-	0	0	1.9	1.9	19.3	19.4		-	-	1.39	-		
15	BHD 17			0	0	-	0	0	2.5	2.6	16.2	16.4		-	-	1.18	-		
16	BHD 19			0.1	0.1	-	0	0	0	0	20.9	21		-	-	-	-		

COMMENTS & GROUND CONDITIONS:

Groundwater and Ground Gas Monitoring Form

VISIT 6

Site Name	Northstone
Client	Gallagher Estates
Job No.	12170626/004
Date	17/04/2007 - 19/04/2007
Start Time	
End Time	

Operator	RC & CW
Pressure at Start mB	1021
Pressure at End mB	1014
Weather Conditions	Dry/Sunny/Slightly Windy
Temperature oC	

Equipment	Serial No.	Calibrated
Gas Analyser	GA2000	Yes
Dipmeter	30m	N/A
Interface Probe		
PID		

	Borehole	Response Zone (m)		Gas Flow (l/hr)		Borehole Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gasses (ppmV)			Depth to Water	Depth to Base	Thickness of product	Sampled?
		Top	Bottom	Initial	Steady	(mB)	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	(m)	(m)	(mm)	(Y/N)
17	BHD 20			-0.1	-0.1	-	0	0	0	0	20.8	20.9		-	-	0.70	-		
18	BHD 21																		
19	BHD 22			0	0	-	0	0	0.1	0.1	20.6	20.7		-	-	1.59	-		
20	BHD 23			0.4	0.4	-	0	0	2	2.2	18.3	18.5		-	-	1.39	-		
21	BHD 24			0.2	0.2	-	0	0	0.3	0.2	20.1	20.2		-	-	1.03	-		
22	BHD 25			0.2	0.2	-	0	0	0.2	0.2	20.5	20.6		-	-	1.08	-		
23	BHD 26			-0.2	-0.2	-	0	0	0.1	0.1	20.3	20.4		-	-	0.89	-		
24	BHD 28			-0.5	-0.5	-	0	0	0.8	0.9	19.2	19.3		-	-	-	-		
25	BHD 29			-0.2	-0.2	-	0	0	0.8	0.7	20.1	20.3		-	-	-	-		
26	BHD 31																		
27	BHD 32																		
28	BHD 34																		
29	BHD 35																		
30	BHD 38																		
31	BHD 39																		
32																			

COMMENTS & GROUND CONDITIONS:

Groundwater and Ground Gas Monitoring Form

VISIT 7

Site Name	Northstone
Client	Gallagher Estates
Job No.	12170626/004
Date	22/05/2007 - 25/05/2007
Start Time	
End Time	

Operator	RC & CW
Pressure at Start mB	1020
Pressure at End mB	1000
Weather Conditions	Sunny/Dry/Windy to Heavy Rainfall
Temperature oC	

Equipment	Serial No.	Calibrated
Gas Analyser	GA2000	Yes
Dipmeter	30m	N/A
Interface Probe		
PID		

	Borehole	Response Zone (m)		Gas Flow (l/hr)		Borehole Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gasses (ppmV)			Depth to Water	Depth to Base	Thickness of product	Sampled?
		Top	Bottom	Initial	Steady	(mB)	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	(m)	(m)	(mm)	(Y/N)
1	BHD 1			0	0	-	0	0	0.7	0.7	19.1	19.2		-	-	4.33	6.13		
2	BHD 2			0	0	-	0	0	2.7	2.7	12.9	13		-	-	0.96	6.07		
3	BHD 3			0	0	-	0	0	0.7	0.7	19	19.1		-	-	1.57	7.00		
4	BHD 5			0	0	-	0	0	0.7	0.8	19	19		-	-	1.54	6.40		
5	BHD 6					-	-	-	-	-	-	-		-	-	0.90	5.80		
6	BHD 7			0	0	-	0	0	0	0	20.6	20.6		-	-	1.10	7.32		
7	BHD 8			0	0	-	0	0	1.4	1.4	15.8	15.9		-	-	0.80	4.57		
8	BHD 9			0	0	-	0	0	1.9	1.9	17.2	17.3		-	-	0.74	6.53		
9	BHD 10			0	0	-	0	0	1.7	1.6	18	18		-	-	1.41	1.72		
10	BHD 11			0	0	-	0	0	1.9	1.9	17.8	17.8		-	-	1.93	3.72		
11	BHD 12					-	-	-	-	-	-	-		-	-	-	-		
12	BHD 14			-0.1	-0.1	-	0	0	0.6	0.6	19.7	19.7		-	-	3.49	5.84		
13	BHD 15			0	0	-	0	0	0.7	0.7	19.4	19.3		-	-	2.00	2.70		
14	BHD 16			0	0	-	0	0	1.5	1.5	18.5	18.6		-	-	1.59	-		
15	BHD 17			0	0	-	0	0	2.4	2.4	14.7	14.9		-	-	1.27	-		
16	BHD 19			0	0	-	0	0	0.4	0.2	20	20.3		-	-	-	-		

COMMENTS & GROUND CONDITIONS:

Groundwater and Ground Gas Monitoring Form

VISIT 7

Site Name	Northstone
Client	Gallagher Estates
Job No.	12170626/004
Date	22/05/2007 - 25/05/2007
Start Time	
End Time	

Operator	RC & CW
Pressure at Start mB	1020
Pressure at End mB	1000
Weather Conditions	Sunny/Dry/Windy to Heavy Rainfall
Temperature oC	

Equipment	Serial No.	Calibrated
Gas Analyser	GA2000	Yes
Dipmeter	30m	N/A
Interface Probe		
PID		

	Borehole	Response Zone (m)		Gas Flow (l/hr)		Borehole Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gasses (ppmV)			Depth to Water	Depth to Base	Thickness of product	Sampled?
		Top	Bottom	Initial	Steady	(mB)	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	(m)	(m)	(mm)	(Y/N)
17	BHD 20			0	0	-	0	0	0	0	20.4	20.4		-	-	1.02	-		
18	BHD 21																		
19	BHD 22			0	0	-	0	0	0	0	20.1	20.1		-	-	1.67	6.54		
20	BHD 23			0	0	-	0	0	0	0	20.2	20.2		-	-	1.39	6.40		
21	BHD 24			0	0	-	0	0	0.2	0.2	20	20.1		-	-	1.13	6.15		
22	BHD 25			0	0	-	0	0	0.3	0.3	20.1	20.1		-	-	1.26	5.80		
23	BHD 26			0	0	-	0	0	0	0	20.4	20.5		-	-	1.23	-		
24	BHD 28			0	0	-	0	0	0.5	0.5	19.5	19.5		-	-	0.85	-		
25	BHD 29			0	0	-	0	0	1.2	1.2	19.5	19.6		-	-	1.37	-		
26	BHD 31																		
27	BHD 32																		
28	BHD 34																		
29	BHD 35																		
30	BHD 38																		
31	BHD 39																		
32																			

COMMENTS & GROUND CONDITIONS:

Groundwater and Ground Gas Monitoring Form

VISIT 8

Site Name	Northstone
Client	Gallagher Estates
Job No.	12170626/004
Date	18/06/2007 - 22/06/2007
Start Time	
End Time	

Operator	RC/AM/CW
Pressure at Start mB	1005
Pressure at End mB	1004
Weather Conditions	Dry/Sunny/Windy
Temperature oC	

Equipment	Serial No.	Calibrated
Gas Analyser	GA2000	Yes
Dipmeter	30m	N/A
Interface Probe		
PID		

	Borehole	Response Zone (m)		Gas Flow (l/hr)		Borehole Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gasses (ppmV)			Depth to Water	Depth to Base	Thickness of product	Sampled?
		Top	Bottom	Initial	Steady	(mB)	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	(m)	(m)	(mm)	(Y/N)
1	BHD 1																		
2	BHD 2			0	0	1	0	0	1.5	1.8	16.8	17.5		0	0	0.78	4.85		
3	BHD 3	1.00	7.00	0	0	1	0	0	1.3	1.3	18.3	18.3		0	0	1.92	7.75		
4	BHD 5			0	0	0	0	0	0.5	0.7	18.8	19.8		0	0	1.46	6.48		
5	BHD 6			-	-	-	-	-	-	-	-	-		-	-	0.55	3.87		
6	BHD 7			0	0	1	0	0	0	0	20.7	20.8		0	0	1.09	7.35		
7	BHD 8	1.00	7.00	0	0	1	0	0	1	2.8	14.4	18.2		0	1	0.80	4.68		
8	BHD 9	1.00	7.00	0	0	1	0	0	0.2	0.6	20.3	20.1		0	2	0.83	2.90		
9	BHD 10	1.00	7.00	0	0	1	0	0	1.4	2.3	18.3	16.5		0	0	1.43	1.78		
10	BHD 11			0.1	0	0	0	0	2.8	2.8	17.1	16.8		0	0	1.85	3.68		
11	BHD 12			0	0	1	0	0	2	2	9.5	9		0	0	-	-		
12	BHD 14			0	0	1	0	0	0.5	0.4	19.3	19.7		0	0	3.54	5.87		
13	BHD 15			0	0	1	0	0	0.4	0.7	17.9	19.5		0	1	2.09	2.71		
14	BHD 16			0	0	-	0	0	3	3.1	17.3	17.2		-	-	1.56	2.18		
15	BHD 17			0	0	-	0	0	3.9	3.9	13.6	13.4		-	-	1.19	5.81		
16	BHD 19			0	0	-	0	0	0.6	0.4	19.6	19.8		-	-	-	-		

COMMENTS & GROUND CONDITIONS:

Groundwater and Ground Gas Monitoring Form

VISIT 8

Site Name	Northstone
Client	Gallagher Estates
Job No.	12170626/004
Date	18/06/2007 - 22/06/2007
Start Time	
End Time	

Operator	RC/AM/CW
Pressure at Start mB	1005
Pressure at End mB	1004
Weather Conditions	Dry/Sunny/Windy
Temperature oC	

Equipment	Serial No.	Calibrated
Gas Analyser	GA2000	Yes
Dipmeter	30m	N/A
Interface Probe		
PID		

	Borehole	Response Zone (m)		Gas Flow (l/hr)		Borehole Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gasses (ppmV)			Depth to Water	Depth to Base	Thickness of product	Sampled?
		Top	Bottom	Initial	Steady	(mB)	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	(m)	(m)	(mm)	(Y/N)
17	BHD 20			0	0	-	0	0	0	0	20.2	20.2		-	-	0.90	5.81		
18	BHD 21																		
19	BHD 22	1.00	7.00	0	0	-	0	0	0.1	0.1	20.3	20.3		-	-	1.61	6.71		
20	BHD 23			0	0	-	0	0	1.8	1.8	18.1	18.2		-	-	1.25	6.46		
21	BHD 24			0	0	-	0	0	0	0	20.2	20.2		-	-	1.11	5.65		
22	BHD 25	0.50	7.00	0	0	-	0	0	0.1	0.1	20.7	20.8		-	-	1.27	-		
23	BHD 26	1.00	7.00	0	0	0	0	0	0.1	0	20.5	20.7		0	0	1.15	5.91		
24	BHD 28	1.00	7.00	0	0	0	0	0	0.1	0	20.2	20.6		0	0	0.73	6.59		
25	BHD 29			0	0	0	0	0	0	1	19.7	20.4		0	0	1.29	6.74		
26	BHD 31																		
27	BHD 32																		
28	BHD 34																		
29	BHD 35	2.00	7.00																
30	BHD 38																		
31	BHD 39																		
32																			

COMMENTS & GROUND CONDITIONS:

Groundwater and Ground Gas Monitoring Form

VISIT 9

Site Name	Northstone
Client	Gallagher Estates
Job No.	12170626/004
Date	23/07/2007 - 25/07/2007
Start Time	
End Time	

Operator	AM/SS/CW
Pressure at Start mB	1010
Pressure at End mB	1006
Weather Conditions	Dry/Overcast/Light Breeze
Temperature oC	

Equipment	Serial No.	Calibrated
Gas Analyser	GA2000	Yes
Dipmeter	30m	N/A
Interface Probe		
PID		

	Borehole	Response Zone (m)		Gas Flow (l/hr)		Borehole Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gasses (ppmV)			Depth to Water	Depth to Base	Thickness of product	Sampled?
		Top	Bottom	Initial	Steady	(mB)	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	(m)	(m)	(mm)	(Y/N)
1	BHD 1			0	0	0	0	0	1.1	0.9	18.9	19.1		0	0	0.95	6.15		
2	BHD 2			0	0	0	0	0	6	6	11.1	11.1		0	0	0.87	6.05		
3	BHD 3			0.1	0	1	0	0	2.8	2.8	16.4	16.4		0	0	1.35	7.03		
4	BHD 5			0.1	0	1	0	0	1.8	2	18.2	18.1		0	0	1.38	6.41		
5	BHD 6			-	-	-	-	-	-	-	-	-		-	-	0.65	6.22		
6	BHD 7			-0.1	0	1	0	0	0	0	20.2	20.2		0	0	1.11	7.28		
7	BHD 8			0	0	1	0	0	5.3	5.3	15.6	15.6		0	0	0.85	4.61		
8	BHD 9			0.1	0.1	1	0	0	2.2	2.2	18.6	18.6		0	0	0.86	6.70		
9	BHD 10			-0.1	0	0	0	0	3.9	3.9	15.8	15.8		0	0	1.52	1.75		
10	BHD 11			0	0	0	0	0	4.2	4.2	16.1	16.1		0	0	1.91	3.74		
11	BHD 12			0	0	7	0	0	4.5	4.5	15.2	15.2		0	0	-	-		
12	BHD 14			0	0	0	0	0	0.4	0.4	20.2	20.2		0	0	3.49	5.79		
13	BHD 15			0	0	3	0.1	0	0.1	0.8	20.2	19.8		0	0	2.22	2.71		
14	BHD 16			0	0	-6	0	0	0.1	0	19	20.4		0	0	1.61	2.15		
15	BHD 17			0.1	-0.1	-16	0	0	2.5	5.9	16.7	12.4		0	3	1.21	5.78		
16	BHD 19			0.1	0	-20	0	0.1	2.7	1.1	17.7	19.6		0	3	-	-		

COMMENTS & GROUND CONDITIONS:

Groundwater and Ground Gas Monitoring Form

VISIT 9

Site Name	Northstone
Client	Gallagher Estates
Job No.	12170626/004
Date	23/07/2007 - 25/07/2007
Start Time	
End Time	

Operator	AM/SS/CW
Pressure at Start mB	1010
Pressure at End mB	1006
Weather Conditions	Dry/Overcast/Light Breeze
Temperature oC	

Equipment	Serial No.	Calibrated
Gas Analyser	GA2000	Yes
Dipmeter	30m	N/A
Interface Probe		
PID		

	Borehole	Response Zone (m)		Gas Flow (l/hr)		Borehole Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gasses (ppmV)			Depth to Water	Depth to Base	Thickness of product	Sampled?
		Top	Bottom	Initial	Steady	(mB)	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	(m)	(m)	(mm)	(Y/N)
17	BHD 20			0.1	0.1	-2	0	0	0.2	0.1	19.7	20.2		0	0	1.07	5.77		
18	BHD 21																		
19	BHD 22			0	0	1	0	0	0.7	0.7	19.5	19.5		0	0	1.72	6.62		
20	BHD 23			0	0	0	0	0	4	4	15	15		0	0	1.13	6.42		
21	BHD 24			0	0	0	0	0	0	0	20.1	20.3		0	0	1.03	6.64		
22	BHD 25			0	0	0	0	0	0.3	0.2	20	20		0	0	1.05	5.58		
23	BHD 26			-0.6	0	0	0	0	0.2	0.1	20.1	20.2		0	0	1.05	5.95		
24	BHD 28			0	0	0	0	0	1.1	1.3	18.5	18.5		0	0	0.82	6.51		
25	BHD 29			0	0	2	0	0	3.3	3.3	13	13		0	0	1.58	6.68		
26	BHD 31			0	0	-8	0	0	1.2	1.7	13.4	14.9		0	1	3.18	7.64		
27	BHD 32			0	0	-5	0.1	0.1	1.8	1.9	16.6	16.3		0	2	3.26	7.10		
28	BHD 34			-0.1	0	-20	0	0	0.5	1.3	12.1	11.8		0	3	5.77	6.90		
29	BHD 35			0	0	-16	0	0	0.1	0.1	19.5	19.4		0	2	1.57	6.80		
30	BHD 38			0	0	4	0	0	0	0	18.6	18.6		0	0	1.59	6.89		
31	BHD 39			-0.1	-0.1	-13	0	0	0.2	0.2	18.7	19		0	8	1.45	6.70		
32																			

COMMENTS & GROUND CONDITIONS:

Groundwater and Ground Gas Monitoring Form

VISIT 10

Site Name	Northstone
Client	Gallagher Estates
Job No.	12170626/004
Date	13/08/2007 - 15/08/2007
Start Time	
End Time	

Operator	RC/AM/SS/CW
Pressure at Start mB	1006
Pressure at End mB	981
Weather Conditions	Dry/Overcast/Windy
Temperature oC	

Equipment	Serial No.	Calibrated
Gas Analyser	GA2000	Yes
Dipmeter	30m	N/A
Interface Probe		
PID		

	Borehole	Response Zone (m)		Gas Flow (l/hr)		Borehole Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gasses (ppmV)			Depth to Water	Depth to Base	Thickness of product	Sampled?
		Top	Bottom	Initial	Steady	(mB)	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	(m)	(m)	(mm)	(Y/N)
1	BHD 1			0.0	0.0	0	0	0	1	1	20.0	20.0		0	0	1.17	6.43		
2	BHD 2			0.1	0.0	0	0	0	5.9	5.9	15.5	15.5		0	0	0.98	-		
3	BHD 3			-0.1	0.0	0	0	0	2.2	2.2	19.5	19.5		0	0	1.52	7.09		
4	BHD 5			-0.1	0.0	0	0	0	1.4	1.4	20.0	20.0		0	0	1.56	6.59		
5	BHD 6			-	-	-	-	-	-	-	-	-		-	-	0.85	6.21		
6	BHD 7			0.0	0.0	0	0	0	0	0	20.5	20.5		0	0	1.35	7.54		
7	BHD 8			0.0	0.0	0	0	0	1.7	1.8	19.8	19.8		0	0	1.09	4.74		
8	BHD 9			0.0	0.0	0	0	0	1.6	1.6	19.8	19.8		0	0	0.95	6.70		
9	BHD 10			0.0	0.0	0	0	0	4	4	17.6	17.6		0	0	DRY	1.69		
10	BHD 11			-0.1	0.0	0	0	0	3	3	18.6	18.6		0	0	2.26	3.76		
11	BHD 12			0.0	0.0	0	0	0	2.8	2.8	18.8	18.8		0	0	-	-		
12	BHD 14			0.0	0.0	0	0	0	0.2	0.2	20.1	20.1		0	0	3.59	5.82		
13	BHD 15			0.0	0.0	0	0	0	0.4	0.2	20.1	20.2		0	0	2.24	2.68		
14	BHD 16			0.0	0.0	0	0	0	0	0	20.2	20.3		0	0	1.63	2.08		
15	BHD 17			0.1	0.0	0	0	0	0.9	0.7	19.2	19.9		0	0	-	-		
16	BHD 19																		

COMMENTS & GROUND CONDITIONS:

Groundwater and Ground Gas Monitoring Form

VISIT 10

Site Name	Northstone
Client	Gallagher Estates
Job No.	12170626/004
Date	13/08/2007 - 15/08/2007
Start Time	
End Time	

Operator	RC/AM/SS/CW
Pressure at Start mB	1006
Pressure at End mB	981
Weather Conditions	Dry/Overcast/Windy
Temperature oC	

Equipment	Serial No.	Calibrated
Gas Analyser	GA2000	Yes
Dipmeter	30m	N/A
Interface Probe		
PID		

	Borehole	Response Zone (m)		Gas Flow (l/hr)		Borehole Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gasses (ppmV)			Depth to Water	Depth to Base	Thickness of product	Sampled?
		Top	Bottom	Initial	Steady	(mB)	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	(m)	(m)	(mm)	(Y/N)
17	BHD 20			0.0	0.0	0	0	0	0.2	0.2	20.1	20.1		0	0	1.24	5.80		
18	BHD 21																		
19	BHD 22			-	-	-	-	-	-	-	-	-		-	-	1.89	6.57		
20	BHD 23			0.0	0.0	0	0	0	1.2	1.2	19.6	19.6		0	0	1.40	6.51		
21	BHD 24			-0.1	0.0	0	0	0	0	0	20.3	20.4		0	0	1.08	6.04		
22	BHD 25			-0.1	-0.1	1	0	0	0.5	0.5	19.8	19.8		0	0	1.39	5.78		
23	BHD 26			0.0	0.0	0	0	0	0.6	0.6	19.9	19.9		0	0	1.17	5.91		
24	BHD 28			0.0	0.0	0	0	0	1.4	1.4	19.0	19.0		0	0	1.03	6.56		
25	BHD 29			0.0	0.0	0	0	0	3.7	3.7	13.4	13.4		0	0	1.71	6.72		
26	BHD 31			0.0	0.0	0	-	-	1.3	0.9	18.4	19.1		0	0	1.32	6.88		
27	BHD 32			0.0	0.0	1	0	0	0	0	20.1	20.1		0	0	1.61	7.10		
28	BHD 34			0.0	0.0	1	0	0	2.7	2.7	15.2	15.2		0	0	4.89	6.96		
29	BHD 35			0.0	0.0	0	0	0	0.2	0.1	19.9	20.1		0	0	1.12	6.83		
30	BHD 38			0.0	0.0	1	0	0	0	0	19.1	19.4		0	0	1.56	6.04		
31	BHD 39			-0.1	0.0	11	0	0	0	0	20.0	20.0		0	0	1.35	6.69		
32																			

COMMENTS & GROUND CONDITIONS:

Groundwater and Ground Gas Monitoring Form

VISIT 11

Site Name	Northstone
Client	Gallagher Estates
Job No.	12170626/004
Date	03/09/2007 - 05/09/2007
Start Time	
End Time	

Operator	AM/SS
Pressure at Start mB	1026
Pressure at End mB	1014
Weather Conditions	Warm/Dry/Overcast
Temperature oC	

Equipment	Serial No.	Calibrated
Gas Analyser	GA2000	Yes
Dipmeter	30m	N/A
Interface Probe		
PID		

	Borehole	Response Zone (m)		Gas Flow (l/hr)		Borehole Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gasses (ppmV)			Depth to Water	Depth to Base	Thickness of product	Sampled?
		Top	Bottom	Initial	Steady	(mB)	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	(m)	(m)	(mm)	(Y/N)
1	BHD 1			0	0	0	0	0	0.4	0.3	19.9	20		0	0	3.58	6.19		
2	BHD 2			0	0	0	0	0	3.4	3.4	16.6	16.6		0	0	0.94	5.97		
3	BHD 3			-0.1	0	0	0	0	2.2	2.2	18.3	18.3		0	0	1.38	7.04		
4	BHD 5			0	0	0	0	0	1.5	1.5	18.7	18.7		0	0	1.59	6.42		
5	BHD 6			-	-	-	-	-	-	-	-	-		-	-	1.02	6.30		
6	BHD 7			-0.1	-0.1	1	0	0	0.3	0.3	19.8	19.8		0	0	1.18	7.26		
7	BHD 8			-0.1	-0.1	2	0	0	1.4	1.4	18.5	18.5		0	0	0.92	4.75		
8	BHD 9			0.1	0	0	0	0	1.2	1.2	19.3	19.3		0	0	0.74	6.53		
9	BHD 10			0	0	2	0	0	3.4	3.5	16.6	16.6		0	0	1.55	1.74		
10	BHD 11			0	0	1	0	0	2.5	2.5	17.9	17.9		0	0	2.06	3.23		
11	BHD 12			-	-	-	-	-	-	-	-	-		-	-	5.08	6.86		
12	BHD 14			0	0	1	0	0	0.2	0.2	20.1	20.1		0	0	3.58	5.89		
13	BHD 15			0	0	1	0	0	0.9	0.9	19.7	19.7		0	0	2.16	2.74		
14	BHD 16			-0.1	0	0	0	0	2.9	2.9	18.2	18.2		0	0	1.54	2.14		
15	BHD 17			0	0	0	0	0	3.3	3.3	16.5	16.5		0	0	1.28	5.87		
16	BHD 19																		

COMMENTS & GROUND CONDITIONS: BHD 6 Cant gas as the hole is out of reach. BHD 12 was originally unable to gas as bung was jammed, but has now been destroyed so it can only be dipped.

Groundwater and Ground Gas Monitoring Form

VISIT 11

Site Name	Northstone
Client	Gallagher Estates
Job No.	12170626/004
Date	03/09/2007 - 05/09/2007
Start Time	
End Time	

Operator	AM/SS
Pressure at Start mB	1026
Pressure at End mB	1014
Weather Conditions	Warm/Dry/Overcast
Temperature oC	

Equipment	Serial No.	Calibrated
Gas Analyser	GA2000	Yes
Dipmeter	30m	N/A
Interface Probe		
PID		

	Borehole	Response Zone (m)		Gas Flow (l/hr)		Borehole Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gasses (ppmV)			Depth to Water	Depth to Base	Thickness of product	Sampled?
		Top	Bottom	Initial	Steady	(mB)	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	(m)	(m)	(mm)	(Y/N)
17	BHD 20			0	0	0	0	0	0	0	20.4	20.4		0	0	1.08	5.80		
18	BHD 21																		
19	BHD 22			0.1	0	0	0	0	0.2	0.1	20.4	20.6		0	0	1.57	6.67		
20	BHD 23			0	0	0	0	0	2.2	2.2	17.3	17.3		0	0	1.16	6.49		
21	BHD 24			0.1	0	0	0	0	0.1	0.1	20.4	20.4		0	0	0.99	6.26		
22	BHD 25			0	0	0	0	0	0.3	0.2	20.5	20.5		0	0	1.00	5.73		
23	BHD 26			0	0	0	0	0	0.5	0.5	19.9	19.9		0	0	0.88	5.92		
24	BHD 28			0	0	0	0	0	1.2	1.2	19	19		0	0	0.83	6.59		
25	BHD 29			0	0	0	0	0	3.2	3.2	16.5	16.5		0	0	1.51	6.70		
26	BHD 31			0	0	0	0	0	0.1	0.1	20.3	20.3		0	0	1.12	6.89		
27	BHD 32			0	0	12	0	0	0	0	20.3	20.3		0	0	1.29	7.04		
28	BHD 34			0	0	0	0	0	2.2	2.2	17.2	17.2		0	0	3.76	6.99		
29	BHD 35			0	0	1	0	0	0	0	20.3	20.3		0	0	1.43	6.81		
30	BHD 38			-0.1	0	0	0	0	0	0	20.2	20.3		0	0	1.53	6.85		
31	BHD 39			-1.1	0	7	0	0	0	0	20.3	20.3		0	0	1.37	6.67		
32																			

COMMENTS & GROUND CONDITIONS:

Groundwater and Ground Gas Monitoring Form

VISIT 12

Site Name	Northstone
Client	Gallagher Estates
Job No.	12170626/004
Date	22/10/2007 - 25/10/2007
Start Time	
End Time	

Operator	RC/CP/AS
Pressure at Start mB	1030
Pressure at End mB	1020
Weather Conditions	Foggy start to Dry/Cool/Light Breeze
Temperature oC	

Equipment	Serial No.	Calibrated
Gas Analyser	GA2000	Yes
Dipmeter	30m	N/A
Interface Probe		
PID		

	Borehole	Response Zone (m)		Gas Flow (l/hr)		Borehole Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gasses (ppmV)			Depth to Water	Depth to Base	Thickness of product	Sampled?
		Top	Bottom	Initial	Steady	(mB)	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	(m)	(m)	(mm)	(Y/N)
1	BHD 1			0.0	0.0	1	0	0	0.3	0.2	20.4	20.3		0	0	0.71	-		
2	BHD 2			0.0	0.0	0	0	0	2	2	15.3	14.8		-	-	0.85	-		
3	BHD 3			0.0	0.0	1	0	0	0.6	0.5	19.7	19.7		-	-	0.89	-		
4	BHD 5																-		
5	BHD 6			-	-	-	-	-	-	-	-	-		-	-	1.75	-		
6	BHD 7			0.0	0.0	0	0	0	1	0.9	20.3	19.5		0	2	1.05	-		
7	BHD 8			0.1	0.1	1	0	0	1.2	1.2	19.4	19.2		0	2	0.67	-		
8	BHD 9			0.0	0.0	0	0	0	0.1	0.1	20.1	20.0		0	0	0.55	-		
9	BHD 10			0.1	0.1	0	0	0	2.7	2.8	18.9	18.2		0	2	1.37	-		
10	BHD 11			0.0	0.0	4	0	0	1.3	1.4	19.5	19.1		0	0	1.88	-		
11	BHD 12			-	-	-	-	-	-	-	-	-		-	-	5.61	7.91		
12	BHD 14			0.0	0.0	1	0	0	0.2	0.2	20.5	20.5		0	1	3.38	-		
13	BHD 15			0.1	1.0	4	0	0	0.6	0.5	20.6	20.4		0	2	2.05	-		
14	BHD 16			0.0	0.0	0	0	0	1.5	1.6	19.2	18.6		-	-	1.51	-		
15	BHD 17			0.1	0.0	0	0	0	1.5	1.5	16.8	16.7		-	-	1.22	-		
16	BHD 19			0.0	0.0	0	0	0	1.4	0.6	18.6	19.5		-	-	-	-		

COMMENTS & GROUND CONDITIONS:BHD12 No gas tap on bung. BHD19 can't dip as bung stuck in pipe

Groundwater and Ground Gas Monitoring Form

VISIT 12

Site Name	Northstone
Client	Gallagher Estates
Job No.	12170626/004
Date	22/10/2007 - 25/10/2007
Start Time	
End Time	

Operator	RC/CP/AS
Pressure at Start mB	1030
Pressure at End mB	1020
Weather Conditions	Foggy start to Dry/Cool/Light Breeze
Temperature oC	

Equipment	Serial No.	Calibrated
Gas Analyser	GA2000	Yes
Dipmeter	30m	N/A
Interface Probe		
PID		

	Borehole	Response Zone (m)		Gas Flow (l/hr)		Borehole Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gasses (ppmV)			Depth to Water	Depth to Base	Thickness of product	Sampled?
		Top	Bottom	Initial	Steady	(mB)	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	(m)	(m)	(mm)	(Y/N)
17	BHD 20			0.0	0.0	0	0	0	0.7	0.5	20.3	20.3		-	-	0.68	-		
18	BHD 21	1.00																	
19	BHD 22			0.0	0.0	1	0	0	0	0	20.2	20.3		-	-	1.18	-		
20	BHD 23			0.0	0.0	0	0	0	1.2	1.2	18.5	18.0		-	-	0.84	-		
21	BHD 24			0.0	0.0	0	0	0	0.1	0.1	19.8	19.8		-	-	1.01	-		
22	BHD 25			0.0	0.0	0	0	0	0.6	0.5	19.8	19.9		-	-	0.68	-		
23	BHD 26			0.1	0.1	1	0	0	0.2	0.1	20.6	20.7		0	0	0.76	-		
24	BHD 28			0.1	0.1	0	0	0	0.6	0.5	20.4	20.2		0	1	0.64	-		
25	BHD 29			-	-	-	0	0	0.4	0.7	20.5	20.3		0	2	1.08	-		
26	BHD 31			0.0	0.0	0	0	0	0.2	0.1	20.5	20.5		-	-	1.06	-		
27	BHD 32																		
28	BHD 34			0.0	0.0	0	0	0	0.4	0.3	20.4	20.0		-	-	1.53	-		
29	BHD 35			0.0	0.0	0	0	0	0.1	0.1	20.6	20.6		-	-	1.13	5.73		
30	BHD 38			-0.1	0.0	0	0	0	0	0	20.3	20.2		-	-	1.39	-		
31	BHD 39																		
32																			

COMMENTS & GROUND CONDITIONS:

Groundwater and Ground Gas Monitoring Form

VISIT 9

Site Name	Northstone
Client	Gallagher Estates
Job No.	12170626/004
Date	23/07/2007 - 25/07/2007
Start Time	
End Time	

Operator	AM/SS/CW
Pressure at Start mB	1010
Pressure at End mB	1006
Weather Conditions	Dry/Overcast/Light Breeze
Temperature oC	

Equipment	Serial No.	Calibrated
Gas Analyser	GA2000	Yes
Dipmeter	30m	N/A
Interface Probe		
PID		

	Borehole	Response Zone (m)		Gas Flow (l/hr)		Borehole Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gasses (ppmV)			Depth to Water	Depth to Base	Thickness of product	Sampled?
		Top	Bottom	Initial	Steady	(mB)	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	(m)	(m)	(mm)	(Y/N)
1	BHD 40	2.00	7.00	0	0.1	3	0	0	0	0	19.6	19.9		0	5	2.05	7.80	2	
2	PTM12	1.50	3.30	0	0	3	0	0	2.3	2.3	17.5	17.4		0	3	1.22	5.04	1	
3	BHD35A	0.90	2.00																
4	BHD40A	0.90	2.00																
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			
16																			

COMMENTS & GROUND CONDITIONS:

Groundwater and Ground Gas Monitoring Form

VISIT 10

Site Name	Northstone
Client	Gallagher Estates
Job No.	12170626/004
Date	13/08/2007 - 15/08/2007
Start Time	
End Time	

Operator	RC/AM/SS/CW
Pressure at Start mB	1006
Pressure at End mB	981
Weather Conditions	Dry/Overcast/Windy
Temperature oC	

Equipment	Serial No.	Calibrated
Gas Analyser	GA2000	Yes
Dipmeter	30m	N/A
Interface Probe		
PID		

	Borehole	Response Zone (m)		Gas Flow (l/hr)		Borehole Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gasses (ppmV)			Depth to Water	Depth to Base	Thickness of product	Sampled?
		Top	Bottom	Initial	Steady	(mB)	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	(m)	(m)	(mm)	(Y/N)
1	BHD 40	2.00	7.00	-0.1	-0.1	1	0	0	0	0	20.1	20.1		0	0	1.25	7.09		
2	PTM12	1.50	3.30	0.0	0.0	2	0	0	0.5	0.5	17.8	18.2		0	0	1.28	5.01		
3	BHD35A	0.90	2.00																
4	BHD40A	0.90	2.00																
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			
16																			

COMMENTS & GROUND CONDITIONS:

Groundwater and Ground Gas Monitoring Form

VISIT 11

Site Name	Northstone
Client	Gallagher Estates
Job No.	12170626/004
Date	03/09/2007 - 05/09/2007
Start Time	
End Time	

Operator	AM/SS
Pressure at Start mB	1026
Pressure at End mB	1014
Weather Conditions	Warm/Dry/Overcast
Temperature oC	

Equipment	Serial No.	Calibrated
Gas Analyser	GA2000	Yes
Dipmeter	30m	N/A
Interface Probe		
PID		

	Borehole	Response Zone (m)		Gas Flow (l/hr)		Borehole Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gasses (ppmV)			Depth to Water	Depth to Base	Thickness of product	Sampled?
		Top	Bottom	Initial	Steady	(mB)	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	(m)	(m)	(mm)	(Y/N)
1	BHD 40	2.00	7.00	0	0	3	0	0	0	0	20.3	20.3		0	0	1.22	6.97		
2	PTM12	1.50	3.30																
3	BHD35A	0.90	2.00																
4	BHD40A	0.90	2.00																
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			
16																			

COMMENTS & GROUND CONDITIONS: BHD 6 Cant gas as the hole is out of reach. BHD 12 was originally unable to gas as bung was jammed, but has now been destroyed so it can only be dipped.

Groundwater and Ground Gas Monitoring Form

VISIT 12

Site Name	Northstone
Client	Gallagher Estates
Job No.	12170626/004
Date	22/10/2007 - 25/10/2007
Start Time	
End Time	

Operator	RC/CP/AS
Pressure at Start mB	1030
Pressure at End mB	1020
Weather Conditions	Foggy start to Dry/Cool/Light Breeze
Temperature oC	

Equipment	Serial No.	Calibrated
Gas Analyser	GA2000	Yes
Dipmeter	30m	N/A
Interface Probe		
PID		

	Borehole	Response Zone (m)		Gas Flow (l/hr)		Borehole Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gasses (ppmV)			Depth to Water	Depth to Base	Thickness of product	Sampled?
		Top	Bottom	Initial	Steady	(mB)	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	(m)	(m)	(mm)	(Y/N)
1	BHD 40	2.00	7.00	-0.1	0.0	0	0	0	0.1	0.1	20.4	20.4		-	-	0.98	2.08		
2	PTM12	1.50	3.30	0.1	0.0	0	0	0	1	0.8	18.3	18.3		-	-	1.18	-		
3	BHD35A	0.90	2.00	0.0	0.0	0	0	0	0.1	0.1	20.6	20.6		-	-	0.84	1.79		
4	BHD40A	0.90	2.00	0	0	0	0	0	0.1	0.1	20.4	20.5		-	-	1.19	-		
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			
16																			

COMMENTS & GROUND CONDITIONS:BHD12 No gas tap on bung. BHD19 can't dip as bung stuck in pipe

Groundwater and Ground Gas Monitoring Form

VISIT 13

Site Name	Northstone
Client	Gallagher Estates
Job No.	12170626/004
Date	20-21.11.07
Start Time	10.15 am
End Time	

Operator	Lizzie Beers/Becky Couchman
Pressure at Start mB	1006
Pressure at End mB	
Weather Conditions	Damp, cold, rained night before, misty
Temperature oC	

Equipment	Serial No.	Calibrated
Gas Analyser	GA2000	Yes
Dipmeter	Model 101	
Interface Probe		
PID		

	Borehole	Response Zone (m)		Gas Flow (l/hr)		Borehole Pressure	Methane (% v/v)		Carbon Dioxide (% v/v)		Oxygen (% v/v)		Other Gasses (ppmV)			Depth to Water	Depth to Base	Thickness of product	Sampled?
		Top	Bottom	Initial	Steady	(mB)	Initial	Steady	Initial	Steady	Initial	Steady	PID	H2S	CO	(m)	(m)	(mm)	(Y/N)
1	BHD 40			-0.1	0.0	-0.22	0	0	0.1	0	20.9	20.9		0	0	1.19	6.93		
2	PTM12			-0.1	-0.	0	0	0	0.3	0.1	20.5	20.7		0	0	1.25	4.87		
3	BHD35A			-0.1	0.0	0	0	0	0.2	0.5	20.9	20.8		0	0	0.95	1.72		
4	BHD40A			-0.1	0	-0.22	0	0	0.3	0.3	20.8	20.8		0	0	1.01	2.81		
5																			
6																			
7																			
8																			
9																			
10																			
11																			
12																			
13																			
14																			
15																			
16																			

COMMENTS & GROUND CONDITIONS:BHD12 No gas tap on bung. BHD19 can't dip as bung stuck in pipe

ARCADIS

Project:	Northstowe
Job Number:	UA008426

Date: 15/02/2017

Monitoring Point Reference	Date/ Time	Atmos. Pressure (mbar)	Temp. (°C)	Well Pressure (Pa)	Flow Rate (l/h)	Time (sec)	CH4 (% v/v)	LEL (%)	CO2 (% v/v)	O2 (% v/v)	H2S (ppm)	CO (ppm)	Hex. (%)	PID cf	VOC (ppm)	Depth to water (m)	Depth to base (m)	Comments (all readings from GL, note datum height if different)
BH1001	15/02/2017	1031		Peak: +0.01 Steady: +0.01	Peak: -0.1 Steady: -0.0	Initial	0.2	0.0	0.2	20.7	0.0	0.0			0.0			Sample at 2.0m, 3x bails, Sample no.: W2
						30	0.2	0.0	0.2	20.7	0.0	0.0			0.0			
						60	0.2	0.0	0.1	20.7	0.0	0.0			0.0			
						90	0.2	0.0	0.1	20.7	0.0	0.0			0.0			
						120												
						150												
						180										0.7	2.9	
BH1001	15/02/2017	1031		Peak: +0.01 Steady: +0.01	Peak: -0.1 Steady: -0.0	Initial	0.0	0.0	0.1	20.6	0.0	0.0			0.0			Sample at 2.0m, 3x bails, Sample no.: W1
						30	0.0	0.0	0.4	20.6	0.0	0.0			0.0			
						60	0.0	0.0	0.3	20.6	0.0	0.0			0.0			
						90	0.0	0.0	0.3	20.6	0.0	0.0			0.0			
						120	0.0	0.0	0.2	20.6	0.0	0.0			0.0			
						150												
						180										0.7	6.5	
BH602	15/02/2017	1030		Peak: +35.40 Steady: +35.40	Peak: +20.10 Steady: +6.40	Initial	0.0	0.0	0.1	20.0	0.0	0.0			0.0			Sample at 1.4m, 3x bails, Sample no.: W1
						30	0.0	0.0	1.1	18.8	0.0	2.0			0.0			
						60	0.0	0.0	1.1	18.6	0.0	2.0			0.0			
						90	0.0	0.0	1.1	18.5	0.0	2.0			0.0			
						120												
						150												
						180										0.5	10.0	
BH602	15/02/2017	1030		Peak: -24.20 Steady: -19.00	Peak: -9.50 Steady: -0.00	Initial	0.0	0.0	0.2	19.1	0.0	1.0			0.0			Sample at 1.2m, 3x bails, Sample no.: W2
						30	0.0	0.0	2.1	18.3	0.0	1.0			0.0			
						60	0.0	0.0	2.1	18.2	0.0	1.0			0.0			
						90	0.0	0.0	2.1	18.0	0.0	1.0			0.0			
						120	0.0	0.0	2.2	17.8	0.0	1.0			0.0			
						150	0.0	0.0	2.3	17.7	0.0	0.0			0.0			
						180	0.0	0.0	2.3	17.6	0.0	0.0			0.0	0.5	4.9	
BH603	15/02/2017	1030		Peak: +0.02 Steady: +0.00	Peak: -0.00 Steady: -0.00	Initial	0.0	0.0	0.0	20.6	0.0	0.0			0.0			Sample at 2.3m 3x bails, Sample no.: W1
						30	0.0	0.0	0.7	20.3	0.0	0.0			0.0			
						60	0.0	0.0	0.5	20.4	0.0	0.0			0.0			
						90	0.0	0.0	0.4	20.5	0.0	0.0			0.0			
						120	0.0	0.0	0.3	20.5	0.0	0.0			0.0			
						150	0.0	0.0	0.2	20.6	0.0	0.0			0.0			
						180										0.8	9.1	

Notes:

Previous weather conditions, Atmosphic pressure trend and rate, flooding, soil moisture, water draw in tube, wind direction/strength, condition of monitoring point, missing/open tap, datum level, vegetation stress, odours, bubbles, etc.

ARCADIS

Project:	Northstowe
Job Number:	UA008426

Date: 15/02/2017

Monitoring Point Reference	Date/ Time	Atmos. Pressure (mbar)	Temp. (°C)	Well Pressure (Pa)	Flow Rate (l/h)	Time (sec)	CH4 (% v/v)	LEL (%)	CO2 (% v/v)	O2 (% v/v)	H2S (ppm)	CO (ppm)	Hex. (%)	PID cf	VOC (ppm)	Depth to water (m)	Depth to base (m)	Comments (all readings from GL, note datum height if different)
BH608	15/02/2017	1026		Peak: +11.76 Steady: +11.72	Peak: +11.60 Steady: +9.0	Initial	0.0	0.0	0.0	20.6	0.0	0.0			0.0	1.2	8.8	Sample at 1.22m, 3x bails, Sample no.: W1
						30	0.0	0.0	1.2	18.0	0.0	0.0			0.0			
						60	0.0	0.0	1.2	17.4	0.0	0.0			0.0			
						90	0.0	0.0	1.2	17.2	0.0	0.0			0.0			
						120	0.0	0.0	1.2	17.2	0.0	0.0			0.0			
						150	0.0	0.0	1.2	17.4	0.0	0.0			0.0			
						180												
BH607	15/02/2017	1027		Peak: +0.12 Steady: +0.09	Peak: +0.10 Steady: +0.0	Initial	0.0	0.0	0.0	20.6	0.0	0.0			0.0	0.2	10.2	Sample at 1.60m, 3x bails, Sample no.: W1
						30	0.0	0.0	1.1	18.6	0.0	1.0			0.0			
						60	0.0	0.0	1.1	18.3	0.0	1.0			0.0			
						90	0.0	0.0	1.1	18.3	0.0	1.0			0.0			
						120	0.0	0.0	1.1	18.3	0.0	1.0			0.0			
						150												
						180												
BH607	15/02/2017	1027		Peak: -0.07 Steady: -0.02	Peak: +0.0 Steady: +0.0	Initial	0.0	0.0	0.0	20.6	0.0	0.0			0.0	0.5	4.0	Sample at 0.60m, 3x bails, Sample no.: W2
						30	0.0	0.0	2.2	17.8	0.0	1.0			0.0			
						60	0.0	0.0	2.1	17.8	0.0	0.0			0.0			
						90	0.0	0.0	2.1	17.9	0.0	1.0			0.0			
						120	0.0	0.0	2.1	17.9	0.0	1.0			0.0			
						150			2.1									
						180												
BH606	15/02/2017	1026		Peak: +0.03 Steady: +0.0	Peak: +0.0 Steady: +0.0	Initial	0.0	0.0	0.0	20.8	0.0	0.0			0.0	1.4	4.9	Sample at 2.7, 3x bails, Sample no.: W1 Gas tap was left open upon arrival, however 24 hours was given and gas tested
						30	0.0	0.0	0.2	20.7	0.0	0.0			0.0			
						60	0.0	0.0	0.2	20.7	0.0	0.0			0.0			
						90	0.0	0.0	0.3	20.7	0.0	0.0			0.0			
						120	0.0	0.0	0.3	20.7	0.0	0.0			0.0			
						150												
						180												
BH606	15/02/2017	1026		Peak: +0.0 Steady: +0.0	Peak: +0.0 Steady: +0.0	Initial	0.0	0.0	0.0	20.9	0.0	0.0			0.0	1.0	2.1	Sample at 1.1, 1x bails, Sample no.: W2 Gas tap was left open upon arrival, however 24 hours was given and gas tested
						30	0.0	0.0	0.1	20.9	0.0	0.0			0.0			
						60	0.0	0.0	0.1	20.9	0.0	0.0			0.0			
						90	0.0	0.0	0.1	20.9	0.0	0.0			0.0			
						120												
						150												
						180												

Notes:

Previous weather conditions, Atmosphic pressure trend and rate, flooding, soil moisture, water draw in tube, wind direction/strength, condition of monitoring point, missing/open tap, datum level, vegetation stress, odours, bubbles, etc.

ARCADIS

Project:	Northstowe
Job Number:	UA008426

Date: 15/02/2017

Monitoring Point Reference	Date/ Time	Atmos. Pressure (mbar)	Temp. (°C)	Well Pressure (Pa)	Flow Rate (l/h)	Time (sec)	CH4 (% v/v)	LEL (%)	CO2 (% v/v)	O2 (% v/v)	H2S (ppm)	CO (ppm)	Hex. (%)	PID cf	VOC (ppm)	Depth to water (m)	Depth to base (m)	Comments (all readings from GL, note datum height if different)
BH611	15/02/2017	1026		Peak: +0.2 Steady: +0.2	Peak: +0.0 Steady: +0.0	Initial	0.0	0.0	0.0	20.7	0.0	0.0			0.0			Sample at 2.00m, 3x bails, Sample no.: W2
						30	0.0	0.0	0.4	20.5	0.0	0.0			0.0			
						60	0.0	0.0	0.8	19.8	0.0	0.0			0.0			
						90	0.0	0.0	1.3	12.1	0.0	0.0			0.0			
						120	0.0	0.0	1.3	8.6	0.0	0.0			0.0			
						150	0.0	0.0	1.3	6.1	0.0	0.0			0.0			
						180										0.6	3.4	
BH611	15/02/2017	1026		Peak: +0.1 Steady: +0.0	Peak: -0.0 Steady: -0.0	Initial	0.0	0.0	0.0	20.7	0.0	0.0			0.0			Sample at 1.60m, 3x bails, Sample no.: W1
						30	0.0	0.0	0.2	20.6	0.0	0.0			0.0			
						60	0.0	0.0	0.2	20.7	0.0	0.0			0.0			
						90	0.0	0.0	0.1	20.8	0.0	0.0			0.0			
						120	0.0	0.0	0.1	20.8	0.0	0.0			0.0			
						150												
						180										0.6	10.1	
BH603	15/02/2017	1030		Peak: +0.14 Steady: +0.10	Peak: -0.00 Steady: -0.00	Initial	0.0	0.0	0.0	20.6	0.0	0.0			0.0			Sample at 1.20m, 3x bails, Sample no.: W2
						30	0.0	0.0	0.6	20.6	0.0	0.0			0.0			
						60	0.0	0.0	0.7	20.4	0.0	0.0			0.0			
						90	0.0	0.0	0.7	20.3	0.0	0.0			0.0			
						120												
						150												
						180										0.2	2.4	
BH604	15/02/2017	1030		Peak: +0.00 Steady: +0.00	Peak: +0.00 Steady: +0.00	Initial	0.0	0.0	0.1	20.6	0.0	0.0			0.0			Sample at 2.7, 3x bails, Sample no.: W1
						30	0.0	0.0	0.2	20.6	0.0	0.0			0.0			
						60	0.0	0.0	0.1	20.6	0.0	0.0			0.0			
						90	0.0	0.0	0.1	20.6	0.0	0.0			0.0			
						120												
						150												
						180										0.3	2.9	
BH610	15/02/2017	1030		Peak: -0.30 Steady: -0.00	Peak: +0.00 Steady: +0.00	Initial	0.0	0.0	0.1	20.6	0.0	0.0			0.0			Sample at 1.7, 3x bails, Sample no.: W1
						30	0.0	0.0	2.2	20.6	0.0	0.0			0.0			
						60	0.0	0.0	2.2	20.6	0.0	0.0			0.0			
						90	0.0	0.0	2.1	20.6	0.0	0.0			0.0			
						120												
						150												
						180										0.1	7.9	

Notes:

Previous weather conditions, Atmosphic pressure trend and rate, flooding, soil moisture, water draw in tube, wind direction/strength, condition of monitoring point, missing/open tap, datum level, vegetation stress, odours, bubbles, etc.

ARCADIS

Project:	Northstowe
Job Number:	UA008426

Date: 15/02/2017

Monitoring Point Reference	Date/ Time	Atmos. Pressure (mbar)	Temp. (°C)	Well Pressure (Pa)	Flow Rate (l/h)	Time (sec)	CH4 (% v/v)	LEL (%)	CO2 (% v/v)	O2 (% v/v)	H2S (ppm)	CO (ppm)	Hex. (%)	PID cf	VOC (ppm)	Depth to water (m)	Depth to base (m)	Comments (all readings from GL, note datum height if different)
BH610	15/02/2017	1030		Peak: -0.04 Steady: -0.03	Peak: +0.0 Steady: +0.0	Initial	0.0	0.0	0.0	20.4	0.0	0.0			0.0			Sample at 1.80m, 3x bails, Sample no.: W2
						30	0.0	0.0	0.0	20.6	0.0	0.0			0.0			
						60	0.0	0.0	0.0	20.6	0.0	0.0			0.0			
						90	0.0	0.0	0.0	20.6	0.0	0.0			0.0			
						120												
						150												
						180										0.2	4.6	
BH605	15/02/2017	1028		Peak: -0.32 Steady: -0.30	Peak: -0.00 Steady: -0.00	Initial	0.0	0.0	0.0	20.6	0.0	0.0			0.0			Sample at 1.80m, 3x bails, Sample no.: W1
						30	0.0	0.0	1.3	19.5	0.0	1.0			0.0			
						60	0.0	0.0	1.8	18.8	0.0	1.0			0.0			
						90	0.0	0.0	1.8	18.8	0.0	0.0			0.0			
						120	0.0	0.0	1.6	18.9	0.0	0.0			0.0			
						150	0.0	0.0	1.2	19.4	0.0	0.0			0.0			
						180	0.0	0.0	1.1	19.5	0.0	0.0			0.0	0.5	9.9	
BH605	15/02/2017	1028		Peak: -0.02 Steady: -0.00	Peak: -0.00 Steady: -0.00	Initial	0.1	0.0	0.4	19.6	0.0	0.0			0.0			Sample at 1.80m, 3x bails, Sample no.: W2
						30	0.1	0.0	0.5	20.3	0.0	0.0			0.0			
						60	0.1	0.1	0.3	20.4	0.0	0.0			0.0			
						90	0.1	0.1	0.2	20.5	0.0	0.0			0.0			
						120	0.1	0.1	0.2	20.5	0.0	0.0			0.0			
						150												
						180										0.5	4.5	
BH609	15/02/2017	1028		Peak: +0.03 Steady: +0.01	Peak: -0.00 Steady: -0.00	Initial	0.0	0.0	0.0	20.6	0.0	0.0			0.0			Sample at 4.10m, 3x bails, Sample no.: W1
						30	0.0	0.0	1.7	14.5	0.0	0.0			0.0			
						60	0.0	0.0	1.8	13.5	0.0	1.0			0.0			
						90	0.0	0.0	0.8	16.4	0.0	0.0			0.0			
						120	0.0	0.0	0.3	19.0	0.0	0.0			0.0			
						150	0.0	0.0	0.1	20.0	0.0	0.0			0.0			
						180	0.0	0.0	0.1	20.2	0.0	0.0			0.0	2.7	9.0	
BH609	15/02/2017	1028		Peak: Steady:	Peak: Steady:	Initial												Sample at 1.24, 3x bails, Sample no.: W1 Gas tap was left open upon arrival. Tap closed in order to be monitored upon next visit
						30												
						60												
						90												
						120												
						150												
						180										1.2	3.3	

Notes:

Previous weather conditions, Atmosphic pressure trend and rate, flooding, soil moisture, water draw in tube, wind direction/strength, condition of monitoring point, missing/open tap, datum level, vegetation stress, odours, bubbles, etc.

ARCADIS

Project:	Northstowe
Job Number:	UA008426

Date: 14/02/2017-15/02/2017

Monitoring Point Reference	Date/ Time	Atmos. Pressure (mbar)	Temp. (°C)	Well Pressure (Pa)	Flow Rate (l/h)	Time (sec)	CH4 (% v/v)	LEL (%)	CO2 (% v/v)	O2 (% v/v)	H2S (ppm)	CO (ppm)	Hex. (%)	PID cf	VOC (ppm)	Depth to water (m)	Depth to base (m)	Comments (all readings from GL, note datum height if different)
BH608	15/02/2017	1028		Peak: +0.0 Steady: +0.0	Peak: +0.1 Steady: +0.0	Initial	0.0	0.0	0.0	20.6	0.0	0.0			0.0			Sample at 1.24m, 3x bails, Sample no.: W2
						30	0.0	0.0	1.3	19.5	0.0	1.0			0.0			
						60	0.0	0.0	1.3	19.2	0.0	1.0			0.0			
						90	0.0	0.0	1.3	19.1	0.0	0.0			0.0			
						120	0.0	0.0	1.3	19.2	0.0	0.0			0.0			
						150	0.0	0.0	1.3	19.3	0.0	0.0			0.0			
						180										1.2	3.3	
BH1002	14/02/2017	1024		Peak: +27.01 Steady: +27.01	Peak: +12.2 Steady: +4.1	Initial	0.0	0.0	0.2	20.8	0.0	0.0			0.0			Sample at 1.80m, 3x bails, Sample no.: W1 Gas tap was left open upon arrival, however 24 hours was given and gas tested
						30	0.0	0.0	0.2	20.6	0.0	0.0			0.0			
						60	0.0	0.0	0.2	20.6	0.0	0.0			0.0			
						90	0.0	0.0	0.2	20.6	0.0	0.0			0.0			
						120	0.0	0.0	0.2	20.6	0.0	0.0			0.0			
						150												
						180										0.8	8.6	
WS904	14/02/2017	1024		Peak: +0.13 Steady: +0.05	Peak: +0.20 Steady: +0.00	Initial	0.0	0.0	0.0	21.0	0.0	0.0			0.0			Sample at 1.20m, 3x bails, Sample no.: W1
						30	0.0	0.0	0.7	20.5	0.0	0.0			0.0			
						60	0.0	0.0	0.7	20.5	0.0	0.0			0.0			
						90	0.0	0.0	0.6	20.5	0.0	0.0			0.0			
						120	0.0	0.0	0.6	20.5	0.0	0.0			0.0			
						150												
						180										0.4	2.5	
WS901	14/02/2017	1024		Peak: +0.29 Steady: +0.00	Peak: +0.0 Steady: +0.00	Initial	0.0	0.0	0.0	21.0	0.0	0.0			0.0			Sample at 0.70m, 1x bails, Sample no.: W1
						30	0.0	0.0	0.1	20.9	0.0	0.0			0.0			
						60	0.1	0.0	0.1	20.9	0.0	0.0			0.0			
						90	0.1	0.0	0.2	20.4	0.0	0.0			0.0			
						120	0.1	0.0	0.3	20.1	0.0	0.0			0.0			
						150	0.1	0.0	0.3	19.8	0.0	0.0			0.0			
						180	0.1	0.0	0.4	20.1	0.0	0.0			0.0	0.4	1.3	
WS1001	14/02/2017	1026		Peak: +0.71 Steady: -1.08	Peak: +0.00 Steady: +0.00	Initial	0.0	0.0	0.0	20.9	0.0	0.0						Dry hole
						30	0.1	0.0	0.0	19.8	0.0	0.0						
						60	0.1	0.0	0.8	19.5	0.0	0.0						
						90	0.1	0.0	0.8	19.4	0.0	0.0						
						120	0.0	0.0	0.8	19.4	0.0	0.0						
						150	0.0	0.0	0.8	19.4	0.0	0.0						
						180												

Notes:

Previous weather conditions, Atmosphic pressure trend and rate, flooding, soil moisture, water draw in tube, wind direction/strength, condition of monitoring point, missing/open tap, datum level, vegetation stress, odours, bubbles, etc.

ARCADIS

Project:	Northstowe
Job Number:	UA008426

Date: 14/02/2017

Monitoring Point Reference	Date/ Time	Atmos. Pressure (mbar)	Temp. (°C)	Well Pressure (Pa)	Flow Rate (l/h)	Time (sec)	CH4 (% v/v)	LEL (%)	CO2 (% v/v)	O2 (% v/v)	H2S (ppm)	CO (ppm)	Hex. (%)	PID cf	VOC (ppm)	Depth to water (m)	Depth to base (m)	Comments (all readings from GL, note datum height if different)
WS905	14/02/2017	1026		Peak: -0.0 Steady: -0.0	Peak: +0.0 Steady: +0.0	Initial	0.0	0.0	0.0	20.8	0.0	0.0			0.0			Sample at 1.40m, 2x bails, Sample no.: W1
						30	0.0	0.0	1.2	19.2	0.0	0.0			1.1			
						60	0.0	0.0	1.2	19.1	0.0	0.0			1.1			
						90	0.0	0.0	1.2	19.1	0.0	0.0			1.1			
						120	0.0	0.0	1.2	19.1	0.0	0.0			1.0			
						150												
						180										0.8	2.5	
WS902	14/02/2017	1026		Peak: -0.02 Steady: -0.00	Peak: +0.00 Steady: +0.00	Initial	0.0	0.0	0.0	20.8	0.0	0.0			0.0			Sample at 0.86m, x0 bails, Sample no.:W1
						30	0.0	0.4	0.0	19.6	0.0	0.0			0.2			
						60	0.0	0.4	0.0	19.3	0.0	0.0			0.2			
						90	0.0	0.4	0.0	19.4	0.0	0.0			0.3			
						120	0.0	0.3	0.0	19.5	0.0	0.0			0.2			
						150	0.0	0.2	0.0	19.9	0.0	0.0			0.2			
						180										0.9	1.0	
BH1004	14/02/2017	1026		Peak: +0.00 Steady: +0.00	Peak: +0.00 Steady: +0.00	Initial	0.0	0.0	0.0	20.8	0.0	0.0			0.0			Sample at 1.20m, x3 bails, Sample no.:W2
						30	0.0	0.0	0.2	20.8	0.0	0.0			0.0			
						60	0.0	0.0	0.1	20.8	0.0	0.0			0.0			
						90	0.0	0.0	0.1	20.8	0.0	0.0			0.0			
						120	0.0	0.0	0.1	20.8	0.0	0.0			0.0			
						150												
						180										0.6	2.8	
BH1004	14/02/2017	1026		Peak: +2.89 Steady: +2.81	Peak: +0.20 Steady: +0.10	Initial	0.0	0.0	0.0	20.8	0.0	0.0			0.0			Sample at 2.8m, x3 bails, Sample no.: W1
						30	0.0	0.0	1.2	20.3	0.0	0.0			0.0			
						60	0.0	0.0	1.3	20.2	0.0	0.0			0.0			
						90	0.1	0.0	1.4	20.2	0.0	0.0			0.0			
						120	1.0	0.0	1.4	20.2	0.0	0.0			0.0			
						150												
						180										1.4	7.6	
WS701	14/02/2017	1025		Peak: +0.07 Steady: +0.01	Peak: +0.10 Steady: +0.00	Initial	0.0	0.0	0.0	20.8	0.0	0.0			0.0			Sample at 1.20m, x2 bails, Sample no.: W1
						30	0.0	0.0	0.0	20.8	0.0	0.0			0.0			
						60	0.0	0.0	0.0	20.8	0.0	0.0			0.0			
						90	0.0	0.0	0.0	20.8	0.0	0.0			0.0			
						120												
						150												
						180										0.2	1.7	

Notes:

Previous weather conditions, Atmosphic pressure trend and rate, flooding, soil moisture, water draw in tube, wind direction/strength, condition of monitoring point, missing/open tap, datum level, vegetation stress, odours, bubbles, etc.

ARCADIS

Project:	Northstowe
Job Number:	UA008426

Date: 13/02/2017-14/02/2017

Monitoring Point Reference	Date/ Time	Atmos. Pressure (mbar)	Temp. (°C)	Well Pressure (Pa)	Flow Rate (l/h)	Time (sec)	CH4 (% v/v)	LEL (%)	CO2 (% v/v)	O2 (% v/v)	H2S (ppm)	CO (ppm)	Hex. (%)	PID cf	VOC (ppm)	Depth to water (m)	Depth to base (m)	Comments (all readings from GL, note datum height if different)
WS906	14/02/2017	1024		Peak: -0.03 Steady: -0.02	Peak: +0.0 Steady: +0.0	Initial	0.0	0.0	0.0	21.0	0.0	0.0			0.0			Sampled at 1.0m, 0x bails, Sample no.: W1
						30	0.0	0.0	0.9	20.6	0.0	0.0			0.0			
						60	0.0	0.0	0.9	20.5	0.0	0.0			0.0			
						90	0.0	0.0	0.9	20.5	0.0	0.0			0.0			
						120	0.0	0.0	0.9	20.5	0.0	0.0			0.0			
						150												
						180										1.0	1.5	
BH1002	14/02/2017	1024		Peak: -0.05 Steady: -0.02	Peak: -0.0 Steady: -0.0	Initial	0.0	0.0	0.0	21.2	0.0	0.0			0.0			Sampled at 2.0m, 3x bails, Sample no.: W2
						30	0.0	0.0	0.1	21.2	0.0	0.0			0.0			
						60	0.0	0.0	0.1	21.2	0.0	0.0			0.0			
						90	0.0	0.0	0.1	21.2	0.0	0.0			0.0			
						120	0.0	0.0	0.1	21.3	0.0	0.0			0.0			
						150												
						180										0.8	2.6	
BH1003	14/02/2017	1024		Peak: -34.1 Steady: -34.4	Peak: +0.0 Steady: +0.0	Initial	0.0	0.0	0.0	20.9	0.0	0.0			0.0			Sampled at 1.3m, 1x bails, Sample no.: W2
						30	0.0	0.0	0.2	18.7	0.0	1.0			0.0			
						60	0.0	0.0	0.2	18.6	0.0	1.0			0.0			
						90	0.0	0.0	0.2	18.5	0.0	1.0			0.0			
						120	0.0	0.0	0.2	18.5	0.0	1.0			0.0			
						150	0.0	0.0	0.2	18.5	0.0	1.0			0.0			
						180										1.1	3.6	
BH1003	14/02/2017	1024		Peak: +66.2 Steady: +62.0	Peak: +30.0 Steady: +30.0	Initial	0.0	0.0	0.0	20.8	0.0	0.0			1.8			Sampled at 2.4m, x3 bails, Sample no.: W1
						30	0.0	0.0	1.4	17.2	0.0	2.0			1.9			
						60	0.0	0.0	1.4	17.0	0.0	1.0			1.8			
						90	0.0	0.0	1.4	17.0	0.0	1.0			1.8			
						120	0.0	0.0	1.4	17.0	0.0	2.0			1.8			
						150												
						180										1.6	8.9	
BH1204	13/02/2017	1024		Peak: +0.04 Steady: +0.02	Peak: +0.0 Steady: +0.0	Initial	0.0	0.0	0.0	20.9	0.0	0.0			0.4			Sampled at 0.3m, 0x bails, Sample no.: W2
						30	0.0	0.0	0.0	20.9	0.0	0.0			0.5			
						60	0.0	0.0	0.0	20.9	0.0	0.0			0.5			
						90	0.0	0.0	0.0	20.9	0.0	0.0			0.6			
						120												
						150												
						180										0.3	2.0	

Notes:

Previous weather conditions, Atmosphic pressure trend and rate, flooding, soil moisture, water draw in tube, wind direction/strength, condition of monitoring point, missing/open tap, datum level, vegetation stress, odours, bubbles, etc.

ARCADIS

Project:	Northstowe
Job Number:	UA008426

Date: 13/02/2017-14/02/2017

Monitoring Point Reference	Date/ Time	Atmos. Pressure (mbar)	Temp. (°C)	Well Pressure (Pa)	Flow Rate (l/h)	Time (sec)	CH4 (% v/v)	LEL (%)	CO2 (% v/v)	O2 (% v/v)	H2S (ppm)	CO (ppm)	Hex. (%)	PID cf	VOC (ppm)	Depth to water (m)	Depth to base (m)	Comments (all readings from GL, note datum height if different)
BH1203	13/02/2017	1024		Peak: -0.06 Steady: -0.05	Peak: +0.0 Steady: +0.0	Initial	0.0	0.0	0.0	21.0	0.0	0.0			0.2			Sampled at 2.55m, 3x bails, Sample no.: W1
						30	0.0	0.0	0.8	20.6	0.0	0.0			0.4			
						60	0.0	0.0	1.0	20.4	0.0	0.0			0.4			
						90	0.0	0.0	1.1	20.3	0.0	0.0			0.4			
						120	0.0	0.0	1.2	20.3	0.0	0.0			0.4			
						150	0.0	0.0	1.3	20.2	0.0	0.0			0.4			
						180										1.9	9.6	
BH1203	13/02/2017	1024		Peak: -0.01 Steady: -0.01	Peak: +0.0 Steady: +0.0	Initial	0.0	0.0	0.0	21.0	0.0	0.0			0.0			Borehole Dry
						30	0.0	0.0	0.4	20.7	0.0	0.0			0.0			
						60	0.0	0.0	0.4	20.7	0.0	0.0			0.0			
						90	0.0	0.0	0.4	20.7	0.0	0.0			0.0			
						120												
						150												
						180										1.1	1.1	
BH1205	13/02/2017	1024		Peak: +0.08 Steady: +0.03	Peak: -3.2 Steady: -0.7	Initial	0.0	0.0	0.0	21.0	0.0	0.0			0.2			Sampled at 2.80m, 3x bails, Sample no.: W1
						30	0.0	0.0	0.0	21.1	0.0	0.0			0.3			
						60	0.0	0.0	0.0	21.2	0.0	0.0			0.4			
						90	0.0	0.0	0.0	21.2	0.0	0.0			0.3			
						120												
						150												
						180										1.0	19.9	
BH1205	13/02/2017	1024		Peak: +0.12 Steady: +0.03	Peak: +15.0 Steady: +3.0	Initial	0.0	0.0	0.0	20.9	0.0	0.0			0.4			Sampled at 2.00m, 1x bails, Sample no.: W2
						30	0.0	0.0	0.0	21.1	0.0	0.0			0.2			
						60	0.0	0.0	0.0	21.1	0.0	0.0			0.3			
						90	0.0	0.0	0.0	21.1	0.0	0.0			0.3			
						120	0.0	0.0	0.0	21.1	0.0	0.0			0.3			
						150												
						180										1.1	3.9	
BH613	14/02/2017	1026		Peak: -0.0 Steady: -0.0	Peak: +0.0 Steady: +0.0	Initial	0.0	0.0	0.0	20.8	0.0	0.0			0.0			Sampled at 2.40m, 3x bails, Sample no.: W1
						30	0.0	0.0	0.0	19.4	0.0	0.0			0.0			
						60	0.0	0.0	0.4	19.5	0.0	0.0			0.0			
						90	0.0	0.0	0.3	19.9	0.0	0.0			0.0			
						120	0.0	0.0	0.3	20.0	0.0	0.0			0.0			
						150	0.0	0.0	0.3	20.0	0.0	0.0			0.0			
						180										1.2	3.0	

Notes:

Previous weather conditions, Atmosphic pressure trend and rate, flooding, soil moisture, water draw in tube, wind direction/strength, condition of monitoring point, missing/open tap, datum level, vegetation stress, odours, bubbles, etc.

ARCADIS

Project:	Northstowe
Job Number:	UA008426

Date: 14/02/2017

Monitoring Point Reference	Date/ Time	Atmos. Pressure (mbar)	Temp. (°C)	Well Pressure (Pa)	Flow Rate (l/h)	Time (sec)	CH4 (% v/v)	LEL (%)	CO2 (% v/v)	O2 (% v/v)	H2S (ppm)	CO (ppm)	Hex. (%)	PID cf	VOC (ppm)	Depth to water (m)	Depth to base (m)	Comments (all readings from GL, note datum height if different)
BH601	14/02/2017	1026		Peak: +0.0 Steady: +0.0	Peak: +0.0 Steady: +0.0	Initial	0.0	0.0	0.0	20.6	0.0	0.0			0.0			Sampled at 2.20m, 3x bails, Sample no.: W2
						30	0.0	0.0	2.6	19.0	0.0	0.0			0.0			
						60	0.0	0.0	2.5	19.0	0.0	0.0			0.0			
						90	0.0	0.0	2.4	19.1	0.0	0.0			0.0			
						120	0.0	0.0	2.3	19.2	0.0	0.0			0.0			
						150	0.0	0.0	2.9	19.4	0.0	0.0			0.0			
						180	0.0	0.0	1.6	19.6	0.0	0.0			0.6	1.5	3.6	
BH601	14/02/2017	1026		Peak: +0.0 Steady: +0.0	Peak: +0.0 Steady: +0.0	Initial	0.0	0.0	0.0	20.7	0.0	0.0			0.0			Sampled at 3.20m, 4x bails, Sample no.: W1
						30	0.0	0.0	0.3	20.5	0.0	0.0			0.4			
						60	0.0	0.0	0.3	20.5	0.0	0.0			0.4			
						90	0.0	0.0	0.3	20.5	0.0	0.0			0.4			
						120	0.0	0.0	0.2	20.5	0.0	0.0			0.4			
						150												
						180										1.7	9.8	
WS903	14/02/2017	1026		Peak: -0.02 Steady: -0.02	Peak: +0.0 Steady: +0.0	Initial	0.0	0.0	0.0	20.7	0.0	0.0			0.0			Sampled at 1.15m, 0x bails, Sample no.: W1
						30	0.0	0.0	2.0	17.9	0.0	0.0			0.1			
						60	0.0	0.0	2.0	17.9	0.0	0.0			0.2			
						90	0.0	0.0	2.0	17.8	0.0	0.0			0.0			
						120	0.0	0.0	2.0	17.8	0.0	0.0			0.0			
						150												
						180										1.1	1.5	
WS401				Peak: Steady:	Peak: Steady:	Initial												Not accessible due to livestock
						30												
						60												
						90												
						120												
						150												
						180												
WS402				Peak: Steady:	Peak: Steady:	Initial												Not accessible due to livestock
						30												
						60												
						90												
						120												
						150												
						180												

Notes:

Previous weather conditions, Atmosphic pressure trend and rate, flooding, soil moisture, water draw in tube, wind direction/strength, condition of monitoring point, missing/open tap, datum level, vegetation stress, odours, bubbles, etc.

ARCADIS

Project:	Northstowe
Job Number:	UA008426

Date: 13/02/2017

Monitoring Point Reference	Date/ Time	Atmos. Pressure (mbar)	Temp. (°C)	Well Pressure (Pa)	Flow Rate (l/h)	Time (sec)	CH4 (% v/v)	LEL (%)	CO2 (% v/v)	O2 (% v/v)	H2S (ppm)	CO (ppm)	Hex. (%)	PID cf	VOC (ppm)	Depth to water (m)	Depth to base (m)	Comments (all readings from GL, note datum height if different)
BH1201	13/02/2017	1026		Peak:	Peak:	Initial												Bailer could not fit down 19mm pipe. No gas tap installed so neither gas or water readings could be recorded
						30												
						60												
						90												
				Steady:	Steady:	120												
						150												
						180										1.1	-	
BH1206	13/02/2017	1026		Peak:	Peak:	Initial	0.0	0.0	0.0	20.8	0.0	0.0			0.3			Sampled at 4.20m, 5x bails, Sample no.: W1
						30	0.0	0.0	0.2	20.7	0.0	0.0			0.4			
				+0.15	+0.0	60	0.0	0.0	0.2	20.7	0.0	0.0			0.5			
						90									6.0			
				Steady:	Steady:	120												
						150												
				+0.1	+0.0	180										2.0	15.2	
BH1206	13/02/2017	1026		Peak:	Peak:	Initial	0.0	0.0	0.0	20.8	0.0	0.0			0.4			Sampled at 1.93m, 0x bails, Sample no.: W2
						30	0.0	0.0	0.0	20.9	0.0	0.0			0.5			
				+0.21	+0.6	60	0.0	0.0	0.0	20.8	0.0	0.0			0.5			
						90	0.0	0.0	0.0	20.9	0.0	0.0			0.6			
				Steady:	Steady:	120	0.0	0.0	0.0	20.9	0.0	0.0			0.6			
						150												
				+0.16	+0.1	180										1.9	3.7	
BH1204	13/02/2017	1024		Peak:	Peak:	Initial	0.0	0.0	0.0	20.9	0.0	0.0			0.5			Sampled at 3.3m, 5x bails, Sample no.: W1
						30	0.0	0.0	0.0	20.8	0.0	0.0			0.6			
				-0.05	+0.0	60	0.0	0.0	0.0	20.8	0.0	0.0			0.8			
						90	0.0	0.0	0.0	20.9	0.0	0.0			0.8			
				Steady:	Steady:	120												
						150												
				-0.02	+0.0	180										0.3	15.0	
BH1107	13/02/2017	1026		Peak:	Peak:	Initial	0.0	0.0	0.0	20.9	0.0	0.0			0.0			Sampled at 1.7m, 0x bails, Sample no.: W2
						30	0.0	0.0	0.7	20.5	0.0	0.0			1.2			
				+0.04	-0.00	60	0.0	0.0	0.7	20.3	0.0	0.0			1.2			
						90	0.0	0.0	0.7	20.3	0.0	0.0			1.2			
				Steady:	Steady:	120	0.0	0.0	0.7	20.3	0.0	0.0			1.2			
						150												
				+0.02	-0.00	180										1.5	2.4	

Notes:

Previous weather conditions, Atmosphic pressure trend and rate, flooding, soil moisture, water draw in tube, wind direction/strength, condition of monitoring point, missing/open tap, datum level, vegetation stress, odours, bubbles, etc.

ARCADIS

Project:	Northstowe
Job Number:	UA008426

Date: 13/02/2017-16/02/2017

Monitoring Point Reference	Date/ Time	Atmos. Pressure (mbar)	Temp. (°C)	Well Pressure (Pa)	Flow Rate (l/h)	Time (sec)	CH4 (% v/v)	LEL (%)	CO2 (% v/v)	O2 (% v/v)	H2S (ppm)	CO (ppm)	Hex. (%)	PID cf	VOC (ppm)	Depth to water (m)	Depth to base (m)	Comments (all readings from GL, note datum height if different)
BH1107	13/02/2017	1026		Peak: -0.42 Steady: -0.41	Peak: -0.6 Steady: -0.2	Initial	0.0	0.0	0.0	20.6	0.0	0.0			0.0			Sampled at 3.5m, 3x bails, Sample no.: W1
						30	0.0	0.0	1.7	17.9	0.0	0.0			1.4			
						60	0.0	0.0	1.7	17.8	0.0	0.0			1.9			
						90	0.0	0.0	1.7	17.8	0.0	0.0			1.9			
						120	0.0	0.0	1.7	17.8	0.0	0.0			1.9			
						150												
						180										1.5	4.8	
BH1110	13/02/2017	1026		Peak: +0.0 Steady: +0.0	Peak: +2.4 Steady: +0.0	Initial	0.0	0.0	0.0	20.8	0.0	0.0			0.0			Sampled at 3.6m, 4x bails, Sample no.: W1
						30	0.0	0.0	1.3	17.4	0.0	0.0			1.1			
						60	0.0	0.0	1.3	17.4	0.0	0.0			1.1			
						90	0.0	0.0	1.3	17.4	0.0	0.0			1.1			
						120												
						150												
						180										1.6	9.4	
BH1110	13/02/2017	1026		Peak: +0.04 Steady: +0.0	Peak: +0.1 Steady: +0.1	Initial	0.0	0.0	0.0	20.6	0.0	0.0			0.0			Sampled at 2.4m, 1x bails, Sample no.: W2
						30	0.0	0.0	1.6	19.8	0.0	0.0			0.3			
						60	0.0	0.0	1.5	19.8	0.0	0.0			0.4			
						90	0.0	0.0	1.5	19.8	0.0	0.0			0.4			
						120	0.0	0.0	1.4	19.8	0.0	0.0			0.4			
						150												
						180										1.3	3.2	
BH1202	13/02/2017	1026		Peak: +0.12 Steady: +0.1	Peak: +0.1 Steady: +0.1	Initial	0.0	0.0	0.0	20.9	0.0	0.0			0.0			Sampled at 3.23m, 4x bails, Sample no.: W1
						30	0.0	0.0	1.0	20.6	0.0	0.0			0.4			
						60	0.0	0.0	0.7	20.7	0.0	0.0			0.4			
						90	0.0	0.0	0.5	20.7	0.0	0.0			0.5			
						120	0.0	0.0	0.4	20.8	0.0	0.0			0.5			
						150	0.0	0.0	0.3	20.8	0.0	0.0			0.5			
						180										1.1	10.0	
BH1108	16/02/2017	1029		Peak: +0.02 Steady: +0.01	Peak: +0.0 Steady: +0.0	Initial	0.0	0.0	0.0	20.9	0.0	0.0			0.0			Sampled at 1.15m, 3x bails, Sample no.: W1
						30	0.0	0.0	0.0	18.5	0.0	0.0			0.0			
						60	0.0	0.0	1.0	18.2	0.0	0.0			0.0			
						90	0.0	0.0	0.8	18.6	0.0	0.0			0.0			
						120	0.0	0.0	0.7	18.7	0.0	0.0			0.0			
						150	0.0	0.0	0.6	19.0	0.0	0.0			0.0			
						180	0.0	0.0	0.6	19.2	0.0	0.0			0.0	1.1	5.9	

Notes:

Previous weather conditions, Atmosphic pressure trend and rate, flooding, soil moisture, water draw in tube, wind direction/strength, condition of monitoring point, missing/open tap, datum level, vegetation stress, odours, bubbles, etc.

ARCADIS

Project:	Northstowe
Job Number:	UA008426

Date: 16/02/2017

Monitoring Point Reference	Date/ Time	Atmos. Pressure (mbar)	Temp. (°C)	Well Pressure (Pa)	Flow Rate (l/h)	Time (sec)	CH4 (% v/v)	LEL (%)	CO2 (% v/v)	O2 (% v/v)	H2S (ppm)	CO (ppm)	Hex. (%)	PID cf	VOC (ppm)	Depth to water (m)	Depth to base (m)	Comments (all readings from GL, note datum height if different)
BH1103	16/02/2017	1029		Peak: +0.0 Steady: +0.0	Peak: -0.0 Steady: -0.0	Initial	0.0	0.0	0.0	21.0	0.0	0.0			0.0			Sampled at 3.00m, 3x bails, Sample no.: W1
						30	0.0	0.0	0.0	20.6	0.0	0.0			0.0			
						60	0.0	0.0	0.0	20.6	0.0	0.0			0.0			
						90	0.0	0.0	0.0	20.6	0.0	0.0			0.0			
						120	0.0	0.0	0.0	20.6	0.0	0.0			0.0			
						150	0.0	0.0	0.0	20.6	0.0	0.0			0.0			
						180										2.0	9.3	
BH1103	16/02/2017	1029		Peak: -0.03 Steady: -0.0	Peak: -0.0 Steady: -0.0	Initial	0.0	0.0	0.0	21.0	0.0	0.0			0.0			Sampled at 1.90m, 0x bails, Sample no.: W2
						30	0.0	0.0	0.0	20.9	0.0	0.0			0.0			
						60	0.0	0.0	0.0	20.9	0.0	0.0			0.0			
						90	0.0	0.0	0.0	20.9	0.0	0.0			0.0			
						120	0.0	0.0	0.0	20.9	0.0	0.0			0.0			
						150												
						180										1.9	2.8	
BH1112	16/02/2017	1029		Peak: +0.0 Steady: +0.0	Peak: +0.0 Steady: +0.0	Initial	0.0	0.0	0.0	20.7	0.0	0.0			0.0			Sampled at 3.00m, 3x bails, Sample no.: W1
						30	0.0	0.0	0.3	20.5	0.0	0.0			0.0			
						60	0.0	0.0	0.2	20.5	0.0	0.0			0.0			
						90	0.0	0.0	0.1	20.5	0.0	0.0			0.0			
						120	0.0	0.0	0.1	20.6	0.0	0.0			0.0			
						150	0.0	0.0	0.1	20.6	0.0	0.0			0.0			
						180	0.0	0.0	0.1	20.6	0.0	0.0			0.0	1.6	9.7	
BH1112	16/02/2017	1029		Peak: +0.0 Steady: +0.0	Peak: +0.0 Steady: +0.0	Initial	0.0	0.0	0.0	20.6	0.0	0.0			0.0			Sampled at 3.10m, 3x bails, Sample no.: W2
						30	0.0	0.0	1.2	19.6	0.0	0.0			0.0			
						60	0.0	0.0	1.2	19.6	0.0	0.0			0.0			
						90	0.0	0.0	1.2	19.5	0.0	0.0			0.0			
						120	0.0	0.0	1.2	19.5	0.0	0.0			0.0			
						150	0.0	0.0	1.2	19.5	0.0	0.0			0.0			
						180										1.7	4.7	
BH1109	16/02/2017	1029		Peak: -0.35 Steady: -0.35	Peak: -0.6 Steady: -0.2	Initial	0.0	0.0	0.0	20.8	0.0	0.0			0.0			Sampled at 1.10m, 3x bails, Sample no.: W1 Only one standpipe in hole
						30	0.0	0.0	1.3	13.0	0.0	0.0			0.0			
						60	0.0	0.0	1.6	13.7	0.0	0.0			0.0			
						90	0.0	0.0	1.6	13.4	0.0	0.0			0.0			
						120	0.0	0.0	1.6	13.4	0.0	0.0			0.0			
						150	0.0	0.0	1.6	13.4	0.0	0.0			0.0			
						180										0.8	4.9	

Notes:

Previous weather conditions, Atmosphic pressure trend and rate, flooding, soil moisture, water draw in tube, wind direction/strength, condition of monitoring point, missing/open tap, datum level, vegetation stress, odours, bubbles, etc.

ARCADIS

Project:	Northstowe
Job Number:	UA008426

Date: 16/02/2017

Monitoring Point Reference	Date/ Time	Atmos. Pressure (mbar)	Temp. (°C)	Well Pressure (Pa)	Flow Rate (l/h)	Time (sec)	CH4 (% v/v)	LEL (%)	CO2 (% v/v)	O2 (% v/v)	H2S (ppm)	CO (ppm)	Hex. (%)	PID cf	VOC (ppm)	Depth to water (m)	Depth to base (m)	Comments (all readings from GL, note datum height if different)
BH1111	16/12/2017	1028		Peak: -0.0 Steady: -0.0	Peak: -0.0 Steady: -0.0	Initial	0.0	0.0	0.0	20.8	0.0	0.0			0.0			Sampled at 2.50m, 3x bails, Sample no.: W2
						30	0.0	0.0	0.3	20.7	0.0	0.0			0.0			
						60	0.0	0.0	0.2	20.8	0.0	0.0			0.0			
						90	0.0	0.0	0.1	20.8	0.0	0.0			0.0			
						120	0.0	0.0	0.1	20.8	0.0	0.0			0.0			
						150												
						180										1.1	5.3	
BH1111	16/12/2017	1028		Peak: +0.13 Steady: +0.11	Peak: +0.01 Steady: +0.01	Initial	0.0	0.0	0.0	20.9	0.0	0.0			0.0			Sampled at 1.20m, 3x bails, Sample no.: W1
						30	0.0	0.0	2.1	18.0	0.0	1.0			0.0			
						60	0.0	0.0	2.1	17.8	0.0	1.0			0.0			
						90	0.0	0.0	2.1	17.8	0.0	1.0			0.0			
						120	0.0	0.0	2.1	17.8	0.0	1.0			0.0			
						150	0.0	0.0	2.0	18.0	0.0	1.0			0.0			
						180	0.0	0.0	2.0	18.0	0.0	1.0			0.0	1.1	9.0	
BH1102	16/12/2017	1026		Peak: +0.0 Steady: +0.0	Peak: +0.0 Steady: +0.0	Initial	0.0	0.0	0.0	21.0	0.0	0.0			0.0			Sampled at 1.20m, 3x bails, Sample no.: W1
						30	0.0	0.0	0.2	20.9	0.0	1.0			0.0			
						60	0.0	0.0	0.1	20.9	0.0	1.0			0.0			
						90	0.0	0.0	0.1	21.0	0.0	1.0			0.0			
						120	0.0	0.0	0.1	21.0	0.0	1.0			0.0			
						150	0.0	0.0	0.0	21.0	0.0	1.0			0.0			
						180										1.0	5.0	
BH1102	16/12/2017	1026		Peak: +0.0 Steady: +0.0	Peak: +0.0 Steady: +0.0	Initial	0.0	0.0	0.0	20.9	0.0	0.0			0.0			Sampled at 1.30m, 3x bails, Sample no.: W2
						30	0.0	0.0	1.7	19.9	0.0	1.0			0.0			
						60	0.0	0.0	1.7	19.8	0.0	1.0			0.0			
						90	0.0	0.0	1.7	19.8	0.0	1.0			0.0			
						120	0.0	0.0	1.7	19.8	0.0	1.0			0.0			
						150	0.0	0.0	1.7	19.8	0.0	1.0			0.0			
						180	0.0	0.0	1.7	19.8	0.0	1.0			0.0	1.1	3.2	
BH1101	16/02/2017	1028		Peak: -0.09 Steady: -0.07	Peak: +0.0 Steady: +0.0	Initial	0.0	0.0	0.0	20.9	0.0	0.0			0.0			Sampled at 1.40m, 3x bails, Sample no.: W1 One standpipe in hole
						30	0.0	0.0	1.4	20.0	0.0	0.0			0.0			
						60	0.0	0.0	1.4	19.6	0.0	0.0			0.0			
						90	0.0	0.0	1.4	19.6	0.0	0.0			0.0			
						120	0.0	0.0	1.4	19.6	0.0	0.0			0.0			
						150												
						180										0.7	4.7	

Notes:

Previous weather conditions, Atmosphic pressure trend and rate, flooding, soil moisture, water draw in tube, wind direction/strength, condition of monitoring point, missing/open tap, datum level, vegetation stress, odours, bubbles, etc.

ARCADIS

Project:	Northstowe
Job Number:	UA008426

Date: 17/02/2017

Monitoring Point Reference	Date/ Time	Atmos. Pressure (mbar)	Temp. (°C)	Well Pressure (Pa)	Flow Rate (l/h)	Time (sec)	CH4 (% v/v)	LEL (%)	CO2 (% v/v)	O2 (% v/v)	H2S (ppm)	CO (ppm)	Hex. (%)	PID cf	VOC (ppm)	Depth to water (m)	Depth to base (m)	Comments (all readings from GL, note datum height if different)
WS1101	17/02/2017	1031		Peak: +0.0 Steady: +0.0	Peak: +0.0 Steady: +0.0	Initial	0.0	0.0	0.1	20.7	0.0	0.0			0.0			Sampled at 1.20m, 0x bails, Sample no.: W1
						30	0.0	0.0	1.2	19.2	0.0	0.0			0.0			
						60	0.0	0.0	1.2	19.7	0.0	0.0			0.0			
						90	0.0	0.0	1.2	19.7	0.0	0.0			0.0			
						120	0.0	0.0	1.2	19.7	0.0	0.0			0.0			
						150	0.0	0.0	1.2	19.7	0.0	0.0			0.0			
						180	0.0	0.0	1.3	19.7	0.0	0.0			0.0	1.2	1.5	
WS1102	17/02/2017	1031		Peak: +0.0 Steady: +0.0	Peak: +0.0 Steady: +0.0	Initial	0.0	0.0	0.0	20.7	0.0	0.0			0.0			Sampled at 2.00m, 0x bails, Sample no.: W1
						30	0.0	0.0	0.6	20.4	0.0	0.0			0.0			
						60	0.0	0.0	0.6	20.3	0.0	0.0			0.0			
						90	0.0	0.0	0.6	20.3	0.0	0.0			0.0			
						120	0.0	0.0	0.7	20.3	0.0	0.0			0.0			
						150	0.0	0.0	0.6	20.3	0.0	0.0			0.0			
						180	0.0	0.0	0.6	20.3	0.0	0.0			0.0	2.0	2.5	
WS1103	17/02/2017	1031		Peak: +0.0 Steady: +0.0	Peak: +0.0 Steady: +0.0	Initial	0.0	0.0	0.0	20.1	0.0	0.0			0.0			Sampled at 2.20m, 0x bails, Sample no.: W1
						30	0.0	0.0	1.2	19.5	0.0	0.0			0.0			
						60	0.0	0.0	1.2	19.2	0.0	0.0			0.0			
						90	0.0	0.0	1.3	19.1	0.0	0.0			0.0			
						120	0.0	0.0	1.4	19.1	0.0	0.0			0.0			
						150	0.0	0.0	1.4	19.0	0.0	0.0			0.0			
						180										1.8	2.2	
				Peak: Steady:	Peak: Steady:	Initial												
						30												
						60												
						90												
						120												
						150												
						180												
				Peak: Steady:	Peak: Steady:	Initial												
						30												
						60												
						90												
						120												
						150												
						180												

Notes:

Previous weather conditions, Atmosphic pressure trend and rate, flooding, soil moisture, water draw in tube, wind direction/strength, condition of monitoring point, missing/open tap, datum level, vegetation stress, odours, bubbles, etc.

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