

esp
ENGINEERS
GEOLOGISTS
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Date:	18/06/2022	Atmospheric Pressure (start):	992 mb	Trend:	Falling
Time:	11:00	Atmospheric Pressure (end):	987 mb		
Engineer:	SO	Site Status:	Open field		
Weather:	Warm, Dry	Ground Conditions:	Dry		
Instrument:	Gas Data LMS6 G3.18e meter	Next Calibration Due Date:	28/07/2022		
Instrument:	Phoccheck 2000+ PID	Next Calibration Due Date:	28/09/2022		

Well ID:	BHO1(s)	Well dia. (mm):	15	Date installed:	20/05/2022	Response stratum:	Weathered Brithdir Member Bedrock			
		Well depth (mm):	3.00			Groundwater depth (m):	Dry			
Monitored Variables		qP (Pa)		N ₂ (%)	CO ₂ (%)	CH ₄ (%)	O ₂ (%)	H ₂ S (ppm)	Flow (L/hr)	PID (ppm)
Immediate Reading		0.0	0.0	79.0	0.1	0.0	20.9	0.0	0.0	n/a
After 30 Seconds		0.0	0.0	77.0	2.3	0.0	20.7	0.0	0.0	n/a
After 1 Minute		0.0	0.0	77.0	2.3	0.0	20.7	0.0	0.0	n/a
After 2 Minutes		0.0	0.0	77.0	2.3	0.0	20.7	0.0	0.0	n/a
Steady State		0.0	0.0	77.0	2.3	0.0	20.7	0.0	0.0	n/a
min		0.0	0.0	77.0	0.1	0.0	20.7	0.0	0.0	n/a
max		0.0	0.0	79.0	2.3	0.0	20.9	0.0	0.0	n/a
Borehole Hazardous Gas Flow Rates Q _{hg} (max gas conc)					Methane:	0 L/hr		Carbon Dioxide	0.00 L/hr	
Borehole Hazardous Gas Flow Rates Q _{hg} (steady state gas conc)					Methane:	0.00 L/hr		Carbon Dioxide	0 L/hr	
Comments:										

Well ID:	BH02	Well dia.(mm):	50	Date installed:	23/05/2022	Response stratum:	Rhonda Member and No.1 Rhonda Coal Seam			
		Well depth (m):	24.60			Groundwater depth (m):	16.94			
Monitored Variables		OP (Pa)	LEL (%)	N ₂ (%)	CO ₂ (%)	CH ₄ (%)	O ₂ (%)	H ₂ S (ppm)	Flow (L/hr)	PID (ppm)
Immediate Reading		0.0	0.0	79.0	0.1	0.0	20.9	0.0	0.0	n/a
After 30 Seconds		0.0	0.0	78.6	0.7	0.0	20.7	0.0	0.0	n/a
After 1 Minute		0.0	0.0	78.5	0.7	0.0	20.8	0.0	0.0	n/a
After 2 Minutes		0.0	0.0	78.5	0.7	0.0	20.8	0.0	0.0	n/a
Steady State		0.0	0.0	78.5	0.7	0.0	20.8	0.0	0.0	n/a
	min	0.0	0.0	78.5	0.1	0.0	20.7	0.0	0.0	n/a
	max	0.0	0.0	79.0	0.7	0.0	20.9	0.0	0.0	n/a
Borehole Hazardous Gas Flow Rates Q _{hg} (max gas conc)					Methane:	0 L/hr		Carbon Dioxide	0.00 L/hr	
Borehole Hazardous Gas Flow Rates Q _{hg} (steady state gas conc)					Methane:	0.00 L/hr		Carbon Dioxide	0 L/hr	
Comments:										

Well ID:	BH03	Well dia. (mm):	50	Date installed:	18/05/2022	Response stratum:	Rhonda Member Bedrock			
		Well depth (m):	9.82			Groundwater depth (m):	Dry			
Monitored Variables		OP (Pa)	LEL (%)	N ₂ (%)	CO ₂ (%)	CH ₄ (%)	O ₂ (%)	H ₂ S (ppm)	Flow (L/hr)	PID (ppm)
Immediate Reading		0.0	0.0	79.1	0.1	0.0	20.8	0.0	0.0	n/a
After 30 Seconds		0.0	0.0	78.3	0.9	0.0	20.8	0.0	0.0	n/a
After 1 Minute		0.0	0.0	78.3	0.9	0.0	20.8	0.0	0.0	n/a
After 2 Minutes		0.0	0.0	78.3	0.9	0.0	20.8	0.0	0.0	n/a
Steady State		0.0	0.0	78.3	0.9	0.0	20.8	0.0	0.0	n/a
min		0.0	0.0	78.3	0.1	0.0	20.8	0.0	0.0	n/a
max		0.0	0.0	79.1	0.9	0.0	20.8	0.0	0.0	n/a
Borehole Hazardous Gas Flow Rates Q _{hg} (max gas conc)					Methane:	0 L/hr		Carbon Dioxide	0.00 L/hr	
Borehole Hazardous Gas Flow Rates Q _{hg} (steady state gas conc)					Methane:	0.00 L/hr		Carbon Dioxide	0 L/hr	
Comments:										

Well ID:	BHO4(d)	Well dia. (mm):	50	Date installed:	25/05/2022	Response stratum:		No 2, Rhondda Coal Seam (Both Field Vein and Werriddu		
		Well depth (m):	23.89			Groundwater depth (m):		11.95		
Monitored Variables		dp (Pa)		N ₂ (%)	CO ₂ (%)	CH ₄ (%)	O ₂ (%)	H ₂ S (ppm)	Flow (L/hr)	PID (ppm)
Immediate Reading		-22.0	-3.2	79.0	0.1	0.0	20.9	0.0	0.0	n/a
After 30 Seconds		0.0	0.0	79.0	0.1	0.0	20.9	0.0	0.0	n/a
After 1 Minute		0.0	0.0	79.0	0.1	0.0	20.9	0.0	0.0	n/a
After 2 Minutes		0.0	0.0	79.0	0.1	0.0	20.9	0.0	0.0	n/a
Steady State		0.0	0.0	79.0	0.1	0.0	20.9	0.0	0.0	n/a
min		-22.0	-3.2	79.0	0.1	0.0	20.9	0.0	0.0	n/a
max		0.0	0.0	79.0	0.1	0.0	20.9	0.0	0.0	n/a
Borehole Hazardous Gas Flow Rates Q _{hg} (max gas conc)					Methane:	0 L/hr	Carbon Dioxide	0.00 L/hr		
Borehole Hazardous Gas Flow Rates Q _{hg} (steady state gas conc)					Methane:	0.00 L/hr	Carbon Dioxide	0 L/hr		
Comments:										

Well ID:	BHO4(s)	Well dia.(mm):	18	Date Installed:	25/05/2022	Response stratum:		Made Ground and Weathered Rhondda Member		
		Well depth (m):	3.46			Groundwater depth (m):		2.61		
Monitored Variables	dP (Pa)	LEL (%)	N ₂ (%)	CO ₂ (%)	CH ₄ (%)	O ₂ (%)	H ₂ S (ppm)	Flow (L/hr)	PID (ppm)	
Immediate Reading	0.0	0.0	79.0	0.1	0.0	20.9	0.0	0.0	n/a	
After 30 Seconds	0.0	0.0	77.6	1.6	0.0	20.8	0.0	0.0	n/a	
After 1 Minute	0.0	0.0	77.6	1.6	0.0	20.8	0.0	0.0	n/a	
After 2 Minutes	0.0	0.0	77.6	1.7	0.0	20.7	0.0	0.0	n/a	
Steady State	0.0	0.0	77.6	1.7	0.0	20.7	0.0	0.0	n/a	
min	0.0	0.0	77.6	0.1	0.0	20.7	0.0	0.0	n/a	
max	0.0	0.0	79.0	1.7	0.0	20.9	0.0	0.0	n/a	
Borehole Hazardous Gas Flow Rates Q _{hg} (max gas conc)					Methane:	0 L/hr	Carbon Dioxide	0.00 L/hr		
Borehole Hazardous Gas Flow Rates Q _{hg} (steady state gas conc)					Methane:	0.00 L/hr	Carbon Dioxide	0 L/hr		
Comments:										

Well ID:	BH05(d)	Well dia.(mm):	50	Date Installed:	19/05/2022	Response stratum:	Field Vein Coal Seam		
		Well depth (m):	40.86			Groundwater depth (m):	31.70		
Monitored Variables	dP (Pa)	LEL (%)	N ₂ (%)	CO ₂ (%)	CH ₄ (%)	O ₂ (%)	H ₂ S (ppm)	Flow (L/hr)	PID (ppm)
Immediate Reading	0.0	0.0	79.1	0.1	0.0	20.8	0.0	0.0	n/a
After 30 Seconds	0.0	0.0	79.1	0.1	0.0	20.8	0.0	0.0	n/a
After 1 Minute	0.0	0.0	79.1	0.1	0.0	20.8	0.0	0.0	n/a
After 2 Minutes	0.0	0.0	79.1	0.1	0.0	20.8	0.0	0.0	n/a
Steady State	0.0	0.0	79.1	0.1	0.0	20.8	0.0	0.0	n/a
min	0.0	0.0	79.1	0.1	0.0	20.8	0.0	0.0	n/a
max	0.0	0.0	79.1	0.1	0.0	20.8	0.0	0.0	n/a
Borehole Hazardous Gas Flow Rates Q _{hg} (max gas conc)					Methane:	0 L/hr	Carbon Dioxide	0.00 L/hr	
Borehole Hazardous Gas Flow Rates Q _{hg} (steady state gas conc)					Methane:	0.00 L/hr	Carbon Dioxide	0 L/hr	
Comments:									

Well ID:	BH05(s)	Well dia.(mm):	18	Date Installed:	19/05/2022	Response stratum:	Weathered Rhondda Member		
		Well depth (m):	4.08			Groundwater depth (m):	Dry		
Monitored Variables	dP (Pa)	LEL (%)	N ₂ (%)	CO ₂ (%)	CH ₄ (%)	O ₂ (%)	H ₂ S (ppm)	Flow (L/hr)	PID (ppm)
Immediate Reading	0.0	0.0	79.1	0.1	0.0	20.8	0.0	0.0	n/a
After 30 Seconds	0.0	0.0	77.1	2.2	0.0	20.7	0.0	0.0	n/a
After 1 Minute	0.0	0.0	77.1	2.2	0.0	20.7	0.0	0.0	n/a
After 2 Minutes	0.0	0.0	77.0	2.3	0.0	20.7	0.0	0.0	n/a
Steady State	0.0	0.0	77.0	2.3	0.0	20.7	0.0	0.0	n/a
min	0.0	0.0	77.0	0.1	0.0	20.7	0.0	0.0	0.0
max	0.0	0.0	79.1	2.3	0.0	20.8	0.0	0.0	0.0
Borehole Hazardous Gas Flow Rates Q _{hg} (max gas conc)					Methane:	0 L/hr	Carbon Dioxide	0.00	n/a
Borehole Hazardous Gas Flow Rates Q _{hg} (steady state gas conc)					Methane:	0.00 L/hr	Carbon Dioxide	0	n/a
Comments:									

Well ID:	BH06(d)	Well dia.(mm):	50	Date installed:	13/05/2022	Response stratum:		Llynfi Member and Wernpitsyll Rider Coal Seam		
		Well depth (m):	35.00			Groundwater depth (m):		31.55		
Monitored Variables		dP (Pa)	LEL (%)	N ₂ (%)	CO ₂ (%)	CH ₄ (%)	O ₂ (%)	H ₂ S (ppm)	Flow (L/hr)	PID (ppm)
Immediate Reading		0.0	0.0	78.4	0.1	0.0	21.5	0.0	0.0	n/a
After 30 Seconds		0.0	0.0	82.6	0.9	0.0	16.5	0.0	0.0	n/a
After 1 Minute		0.0	0.0	83.2	0.9	0.0	15.9	0.0	0.0	n/a
After 2 Minutes		0.0	0.0	84.0	0.9	0.0	15.1	0.0	0.0	n/a
Steady State		0.0	0.0	84.0	0.9	0.0	15.1	0.0	0.0	n/a
min		0.0	0.0	78.4	0.1	0.0	15.1	0.0	0.0	n/a
max		0.0	0.0	84.0	0.9	0.0	21.5	0.0	0.0	n/a
Borehole Hazardous Gas Flow Rates Q _{hg} (max gas conc)					Methane:	0 L/hr		Carbon Dioxide	0.00 L/hr	
Borehole Hazardous Gas Flow Rates Q _{hg} (steady state gas conc)					Methane:	0.00 L/hr		Carbon Dioxide	0 L/hr	
Comments:										

Well ID:	BH06(s)	Well dia.(mm):	18	Date Installed:	13/05/2022	Response stratum:	Weathered Rhondda Member		
		Well depth (m):	4.07			Groundwater depth (m):	4.02		
Monitored Variables	dP (Pa)	LEL (%)	N ₂ (%)	CO ₂ (%)	CH ₄ (%)	O ₂ (%)	H ₂ S (ppm)	Flow (L/hr)	PID (ppm)
Immediate Reading	0.0	0.0	80.5	0.1	0.0	19.4	0.0	0.0	n/a
After 30 Seconds	0.0	0.0	81.2	1.5	0.0	17.3	0.0	0.0	n/a
After 1 Minute	0.0	0.0	81.5	1.5	0.0	17.0	0.0	0.0	n/a
After 2 Minutes	0.0	0.0	81.7	1.4	0.0	16.9	0.0	0.0	n/a
Steady State	0.0	0.0	81.7	1.4	0.0	16.9	0.0	0.0	n/a
min	0.0	0.0	80.5	0.1	0.0	16.9	0.0	0.0	n/a
max	0.0	0.0	81.7	1.5	0.0	19.4	0.0	0.0	n/a
Borehole Hazardous Gas Flow Rates Q _{hg} (max gas conc)					Methane:	0 L/hr	Carbon Dioxide	0.00 L/hr	
Borehole Hazardous Gas Flow Rates Q _{hg} (steady state gas conc)					Methane:	0.00 L/hr	Carbon Dioxide	0 L/hr	
Comments:									

Well ID:	BH07	Well dia.(mm):	50	Date Installed:	26/05/2022	Response stratum:	Rhondda&Llynfi Member, Wernpitsyll Rider. Near deep peat.		
		Well depth (m):	7.04			Groundwater depth (m):	5.95		
Monitored Variables	dP (Pa)	LEL (%)	N ₂ (%)	CO ₂ (%)	CH ₄ (%)	O ₂ (%)	H ₂ S (ppm)	Flow (L/hr)	PID (ppm)
Immediate Reading	-72.0	-6.7	79.0	0.1	0.0	20.9	0.0	0.0	n/a
After 30 Seconds	0.0	0.0	79.3	0.5	0.0	20.2	0.0	0.0	n/a
After 1 Minute	0.0	0.0	79.4	0.5	0.0	20.1	0.0	0.0	n/a
After 2 Minutes	0.0	0.0	79.0	0.5	0.0	20.5	0.0	0.0	n/a
Steady State	0.0	0.0	79.0	0.5	0.0	20.5	0.0	0.0	n/a
min	-72.0	-6.7	79.0	0.1	0.0	20.1	0.0	0.0	n/a
max	0.0	0.0	79.4	0.5	0.0	20.9	0.0	0.0	n/a
Borehole Hazardous Gas Flow Rates Q _{hg} (max gas conc)					Methane:	0 L/hr	Carbon Dioxide	0.00 L/hr	
Borehole Hazardous Gas Flow Rates Q _{hg} (steady state gas conc)					Methane:	0.00 L/hr	Carbon Dioxide	0 L/hr	
Comments:									

Well ID:	BH08(d)	Well dia.(mm):	50	Date installed:	13/05/2022	Response stratum:	Rhondda Member and Field Vein coal seam.		
		Well depth (m):	31.94			Groundwater depth (m):	28.30		
Monitored Variables	dP (Pa)	LEL (%)	N ₂ (%)	CO ₂ (%)	CH ₄ (%)	O ₂ (%)	H ₂ S (ppm)	Flow (L/hr)	PID (ppm)
Immediate Reading	-477.0	0.0	79.0	0.1	0.0	20.9	0.0	-27.7	n/a
After 30 Seconds	-320.0	0.0	79.0	0.1	0.0	20.9	0.0	-22.5	n/a
After 1 Minute	-171.0	0.0	78.9	0.2	0.0	20.9	0.0	-13.1	n/a
After 2 Minutes	-21.0	0.0	78.9	0.2	0.0	20.9	0.0	-3.1	n/a
Steady State	0.0	0.0	78.9	0.2	0.0	20.9	0.0	0.0	n/a
min	-477.0	0.0	78.9	0.1	0.0	20.9	0.0	-27.7	n/a
max	0.0	0.0	79.0	0.2	0.0	20.9	0.0	0.0	n/a
Borehole Hazardous Gas Flow Rates Q _{hg} (max gas conc)					Methane:	0 L/hr	Carbon Dioxide	0.00 L/hr	
Borehole Hazardous Gas Flow Rates Q _{hg} (steady state gas conc)					Methane:	0.00 L/hr	Carbon Dioxide	0 L/hr	
Comments:		Flow and DP stable at 10 minutes.							

Well ID:	WS06	Well dia.(mm):	50	Date Installed:	26/04/2022	Response stratum:		Weathered Rhondda Member		
		Well depth (m):	0.66			Groundwater depth (m):		Dry		
Monitored Variables		dP (Pa)	LEL (%)	N ₂ (%)	CO ₂ (%)	CH ₄ (%)	O ₂ (%)	H ₂ S (ppm)	Flow (L/hr)	PID (ppm)
Immediate Reading		0.0	0.0	79.1	0.1	0.0	20.8	0.0	0.0	n/a
After 30 Seconds		0.0	0.0	77.8	1.4	0.0	20.8	0.0	0.0	n/a
After 1 Minute		0.0	0.0	77.8	1.4	0.0	20.8	0.0	0.0	n/a
After 2 Minutes		0.0	0.0	77.8	1.4	0.0	20.8	0.0	0.0	n/a
Steady State		0.0	0.0	77.8	1.4	0.0	20.8	0.0	0.0	n/a
min		0.0	0.0	77.8	0.1	0.0	20.8	0.0	0.0	n/a
max		0.0	0.0	79.1	1.4	0.0	20.8	0.0	0.0	n/a
Borehole Hazardous Gas Flow Rates Q _{hg} (max gas conc)					Methane:	0 L/hr		Carbon Dioxide	0.00 L/hr	
Borehole Hazardous Gas Flow Rates Q _{hg} (steady state gas conc)					Methane:	0.00 L/hr		Carbon Dioxide	0 L/hr	
Comments:										

Well ID:	WS07	Well dia.(mm):	50	Date Installed:	26/04/2022	Response stratum:		Weathered Rhondda Member		
		Well depth (m):	0.76			Groundwater depth (m):		0.66		
Monitored Variables		dP (Pa)	LEL (%)	N ₂ (%)	CO ₂ (%)	CH ₄ (%)	O ₂ (%)	H ₂ S (ppm)	Flow (L/hr)	PID (ppm)
Immediate Reading		0.0	0.0	79.1	0.1	0.0	20.8	0.0	0.0	n/a
After 30 Seconds		0.0	0.0	78.4	0.8	0.0	20.8	0.0	0.0	n/a
After 1 Minute		0.0	0.0	78.4	0.8	0.0	20.8	0.0	0.0	n/a
After 2 Minutes		0.0	0.0	78.3	0.9	0.0	20.8	0.0	0.0	n/a
Steady State		0.0	0.0	78.3	0.9	0.0	20.8	0.0	0.0	n/a
min		0.0	0.0	78.3	0.1	0.0	20.8	0.0	0.0	n/a
max		0.0	0.0	79.1	0.9	0.0	20.8	0.0	0.0	n/a
Borehole Hazardous Gas Flow Rates Q _{hg} (max gas conc)						Methane:	0 L/hr	Carbon Dioxide	0.00 L/hr	
Borehole Hazardous Gas Flow Rates Q _{hg} (steady state gas conc)						Methane:	0.00 L/hr	Carbon Dioxide	0 L/hr	
Comments:										

Well ID:	WS09	Well dia.(mm):	50	Date Installed:	27/04/2022	Response stratum:	Weathered Rhondda Member			
		Well depth (m):	0.56			Groundwater depth (m):	Dry			
Monitored Variables		dP (Pa)	LEL (%)	N ₂ (%)	CO ₂ (%)	CH ₄ (%)	O ₂ (%)	H ₂ S (ppm)	Flow (L/hr)	PID (ppm)
Immediate Reading		0.0	0.0	79.1	0.1	0.0	20.8	0.0	0.0	n/a
After 30 Seconds		0.0	0.0	78.8	0.4	0.0	20.8	0.0	0.0	n/a
After 1 Minute		0.0	0.0	78.9	0.3	0.0	20.8	0.0	0.0	n/a
After 2 Minutes		0.0	0.0	78.9	0.3	0.0	20.8	0.0	0.0	n/a
Steady State		0.0	0.0	78.9	0.3	0.0	20.8	0.0	0.0	n/a
min		0.0	0.0	78.8	0.1	0.0	20.8	0.0	0.0	n/a
max		0.0	0.0	79.1	0.4	0.0	20.8	0.0	0.0	n/a
Borehole Hazardous Gas Flow Rates Q _{hg} (max gas conc)						Methane:	0 L/hr	Carbon Dioxide	0.00 L/hr	
Borehole Hazardous Gas Flow Rates Q _{hg} (steady state gas conc)						Methane:	0.00 L/hr	Carbon Dioxide	0 L/hr	
Comments:										

Well ID:	WS10	Well dia.(mm):	50	Date installed:	18/11/2014	Response stratum:	Weathered Rhondda Member			
		Well depth (m):	2.05			Groundwater depth (m):	Dry			
Monitored Variables		dP (Pa)	LEL (%)	N ₂ (%)	CO ₂ (%)	CH ₄ (%)	O ₂ (%)	H ₂ S (ppm)	Flow (L/hr)	PID (ppm)
Immediate Reading		0.0	0.0	79.0	0.2	0.0	20.8	0.0	0.0	n/a
After 30 Seconds		0.0	0.0	79.5	3.9	0.0	16.6	0.0	0.0	n/a
After 1 Minute		0.0	0.0	78.8	4.0	0.0	17.2	0.0	0.0	n/a
After 2 Minutes		0.0	0.0	78.5	4.0	0.0	17.5	0.0	0.0	n/a
Steady State		0.0	0.0	78.5	4.0	0.0	17.5	0.0	0.0	n/a
min		0.0	0.0	78.5	0.2	0.0	16.6	0.0	0.0	n/a
max		0.0	0.0	79.5	4.0	0.0	20.8	0.0	0.0	n/a
Borehole Hazardous Gas Flow Rates Q _{hg} (max gas conc)						Methane:	0 L/hr	Carbon Dioxide	0.00 L/hr	
Borehole Hazardous Gas Flow Rates Q _{hg} (steady state gas conc)						Methane:	0.00 L/hr	Carbon Dioxide	0 L/hr	
Comments:										

Well ID:	WS11	Well dia.(mm):	50	Date Installed:	25/04/2022	Response stratum:		Weathered Rhondda Member, near deep peat		
		Well depth (m):	1.02			Groundwater depth (m):		Dry		
Monitored Variables		dP (Pa)	LEL (%)	N ₂ (%)	CO ₂ (%)	CH ₄ (%)	O ₂ (%)	H ₂ S (ppm)	Flow (L/hr)	PID (ppm)
Immediate Reading		0.0	0.0	80.5	0.1	0.0	19.4	0.0	0.0	n/a
After 30 Seconds		0.0	0.0	81.0	1.7	0.0	17.3	0.0	0.0	n/a
After 1 Minute		0.0	0.0	81.3	1.7	0.0	17.0	0.0	0.0	n/a
After 2 Minutes		0.0	0.0	81.4	1.7	0.0	16.9	0.0	0.0	n/a
Steady State		0.0	0.0	81.4	1.7	0.0	16.9	0.0	0.0	n/a
min		0.0	0.0	80.5	0.1	0.0	16.9	0.0	0.0	n/a
max		0.0	0.0	81.4	1.7	0.0	19.4	0.0	0.0	n/a
Borehole Hazardous Gas Flow Rates Q _{hg} (max gas conc)						Methane:	0 L/hr	Carbon Dioxide	0.00 L/hr	
Borehole Hazardous Gas Flow Rates Q _{hg} (steady state gas conc)						Methane:	0.00 L/hr	Carbon Dioxide	0 L/hr	
Comments:										

Well ID:	WS12	Well dia.(mm):	50	Date installed:	18/11/2014	Response stratum:	Weathered Rhondda Member, near deep peat			
		Well depth (m):	0.68			Groundwater depth (m):	Dry			
Monitored Variables		dP (Pa)	LEL (%)	N ₂ (%)	CO ₂ (%)	CH ₄ (%)	O ₂ (%)	H ₂ S (ppm)	Flow (L/hr)	PID (ppm)
Immediate Reading		0.0	0.0	79.1	0.1	0.0	20.8	0.0	0.0	n/a
After 30 Seconds		0.0	0.0	79.4	0.9	0.0	19.7	0.0	0.0	n/a
After 1 Minute		0.0	0.0	79.2	1.1	0.0	19.7	0.0	0.0	n/a
After 2 Minutes		0.0	0.0	80.7	1.1	0.0	18.2	0.0	0.0	n/a
Steady State		0.0	0.0	80.7	1.1	0.0	18.2	0.0	0.0	n/a
min		0.0	0.0	79.1	0.1	0.0	18.2	0.0	0.0	n/a
max		0.0	0.0	80.7	1.1	0.0	20.8	0.0	0.0	n/a
Borehole Hazardous Gas Flow Rates Q _{hg} (max gas conc)						Methane:	0 L/hr	Carbon Dioxide	0.00 L/hr	
Borehole Hazardous Gas Flow Rates Q _{hg} (steady state gas conc)						Methane:	0.00 L/hr	Carbon Dioxide	0 L/hr	
Comments:										

Key:

dP - differential pressure (well-atmosphere)

LEL - Lower Explosive Limit (methane)

N₂ - nitrogen

CO₂ - carbon dioxide

CH₄ - methane

O₂ - oxygen

H₂S - Hydrogen sulphide

PID - measure of volatile organic compounds

	Source	
Date	Cardiff Airport Station (timeanddate.com)	On-site (BH)
14/06/2022	1023 - 1018 falling	No Data No Data
15/06/2022	1018 - 1019 rising	No Data No Data
16/06/2022	1022 - 1022 steady	987.5 - 987.1 Steady
17/06/2022	1020 - 1020 steady	986.8 - 986.0 Failing
18/06/2022	1019 - 1018 falling	985.8 - 983.3 Failing

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Date:	27/06/2022	Atmospheric Pressure (start):	985 mb	Trend:	Falling
Time:	11:30	Atmospheric Pressure (end):	981 mb		
Engineer:	SO	Site Status:	Open field		
Weather:	Sunny, dry	Ground Conditions:	Dry		
Instrument:	Gas Data LMSx1 G3.18e meter	Next Calibration Due Date:	28/07/2022		
Instrument:	Phocheck 2000+ RID	Next Calibration Due Date:	28/09/2022		

Well ID:	BH01(s)	Well dia.(mm):	18	Date Installed:	20/05/2022	Response stratum:	Weathered Brithdir Member Bedrock		
		Well depth (m):	2.97			Groundwater depth (m):	Dry		
Monitored Variables	dp (Pa)	LEL (%)	N₂ (%)	CO₂ (%)	CH₄ (%)	O₂ (%)	H₂S (ppm)	Flow (L/hr)	PID (ppm)
Immediate Reading	0.0	0.0	79.0	0.1	0.0	20.9	0.0	0.0	n/a
After 30 Seconds	0.0	0.0	76.9	2.4	0.0	20.7	0.0	0.0	n/a
After 1 Minute	0.0	0.0	76.2	3.1	0.0	20.7	0.0	0.0	n/a
After 2 Minutes	0.0	0.0	75.9	3.4	0.0	20.7	0.0	0.0	n/a
Steady State	0.0	0.0	75.9	3.4	0.0	20.7	0.0	0.0	n/a
<i>min</i>	0.0	0.0	75.9	0.1	0.0	20.7	0.0	0.0	n/a
<i>max</i>	0.0	0.0	79.0	3.4	0.0	20.9	0.0	0.0	n/a
Borehole Hazardous Gas Flow Rates Q₉₅ (max gas conc)					Methane:	0 L/hr	Carbon Dioxide	0.00 L/hr	
Borehole Hazardous Gas Flow Rates Q₉₅ (steady state gas conc)					Methane:	0.00 L/hr	Carbon Dioxide	0 L/hr	
Comments:									

Well ID:	BH02	Well dia.(mm):	50	Date installed:	23/05/2022	Response stratum:		Rhonda Member and No.1 Rhonda Coal Seam		
		Well depth (m):	24.22			Groundwater depth (m):		18.40		
Monitored Variables		dp (Pa)	LEL (%)	N ₂ (%)	CO ₂ (%)	CH ₄ (%)	O ₂ (%)	H ₂ S (ppm)	Flow (L/hr)	PID (ppm)
Immediate Reading		0.0	0.0	79.0	0.1	0.0	20.9	0.0	0.0	n/a
After 30 Seconds		0.0	0.0	78.5	0.7	0.0	20.8	0.0	0.0	n/a
After 1 Minute		0.0	0.0	78.5	0.7	0.0	20.8	0.0	0.0	n/a
After 2 Minutes		0.0	0.0	78.5	0.7	0.0	20.8	0.0	0.0	n/a
Steady State		0.0	0.0	78.5	0.7	0.0	20.8	0.0	0.0	n/a
min		0.0	0.0	78.5	0.1	0.0	20.8	n/a	0.0	n/a
max		0.0	0.0	79.0	0.7	0.0	20.9	0.0	0.0	n/a
Borehole Hazardous Gas Flow Rates Q _{hg} (max gas conc)					Methane:	0 L/hr		Carbon Dioxide	0.00 L/hr	
Borehole Hazardous Gas Flow Rates Q _{hg} (steady state gas conc)					Methane:	0.00 L/hr		Carbon Dioxide	0 L/hr	
Comments:										

Well ID:	BH03	Well dia.(mm):	50	Date installed:	18/05/2022	Response stratum:	Rhonda Member Bedrock			
		Well depth (m):	9.80			Groundwater depth (m):	Dry			
Monitored Variables	dp (Pa)	LEL (%)	N ₂ (%)	CO ₂ (%)	CH ₄ (%)	O ₂ (%)	H ₂ S (ppm)	Flow (L/hr)	PID (ppm)	
Immediate Reading	0.0	0.0	79.1	0.1	0.0	20.8	0.0	0.0	n/a	
After 30 Seconds	0.0	0.0	78.0	1.2	0.0	20.8	0.0	0.0	n/a	
After 1 Minute	0.0	0.0	78.0	1.2	0.0	20.8	0.0	0.0	n/a	
After 2 Minutes	0.0	0.0	77.9	1.3	0.0	20.8	0.0	0.0	n/a	
Steady State	0.0	0.0	77.9	1.3	0.0	20.8	0.0	0.0	n/a	
min	0.0	0.0	77.9	0.1	0.0	20.8	n/a	0.0	n/a	
max	0.0	0.0	79.1	1.3	0.0	20.8	0.0	0.0	n/a	
Borehole Hazardous Gas Flow Rates Q _{hg} (max gas conc)				Methane:	0 L/hr		Carbon Dioxide	0.00 L/hr		
Borehole Hazardous Gas Flow Rates Q _{hg} (steady state gas conc)				Methane:	0.00 L/hr		Carbon Dioxide	0 L/hr		
Comments:										

Weil ID:	BHO4(d)	Weil dia.(mm):	50	Date installed:	25/05/2022	Response stratum:	No 2. Rhondia Coal Seam (Both Field Vein and Wierndu		
		Weil depth (m):	23.84			Groundwater depth (m):	19.33		
Monitored Variables	dP (Pa)	LEL (%)	N ₂ (%)	CO ₂ (%)	CH ₄ (%)	O ₂ (%)	H ₂ S (ppm)	Flow (l/hr)	PID (ppm)
Immediate Reading	0.0	0.0	79.0	0.1	0.0	20.9	0.0	n/a	n/a
After 30 Seconds	0.0	0.0	79.0	0.1	0.0	20.9	0.0	0.0	n/a
After 1 Minute	0.0	0.0	79.0	0.1	0.0	20.9	0.0	0.0	n/a
After 2 Minutes	0.0	0.0	79.0	0.1	0.0	20.9	0.0	0.0	n/a
Steady State	0.0	0.0	79.0	0.1	0.0	20.9	0.0	0.0	n/a
min	0.0	0.0	79.0	0.1	0.0	20.9	0.0	0.0	n/a
max	0.0	0.0	79.0	0.1	0.0	20.9	0.0	0.0	n/a
Borehole Hazardous Gas Flow Rates Q _{hg} (max gas conc)					Methane:	0 L/hr	Carbon Dioxide	0.00 L/hr	
Borehole Hazardous Gas Flow Rates Q _{hg} (steady state gas conc)					Methane:	0.00 L/hr	Carbon Dioxide	0 L/hr	
Comments:									

Well ID:	BH04(s)	Well dia.(mm):	18	Date Installed:	25/05/2022	Response stratum:	Made Ground and Weathered Rhonda Member			
		Well depth (m):	3.50			Groundwater depth (m):	2.77			
Monitored Variables	gP (Pa)	LEL (%)	N ₂ (%)	CO ₂ (%)	CH ₄ (%)	O ₂ (%)	H ₂ S (ppm)	Flow (L/hr)	PID (ppm)	
Immediate Reading	0.0	0.0	79.0	0.1	0.0	20.9	0.0	0.0	n/a	
After 30 Seconds	0.0	0.0	76.7	2.6	0.0	20.7	0.0	0.0	n/a	
After 1 Minute	0.0	0.0	76.6	2.7	0.0	20.7	0.0	0.0	n/a	
After 2 Minutes	0.0	0.0	76.5	2.8	0.0	20.7	0.0	0.0	n/a	
Steady State	0.0	0.0	76.5	2.8	0.0	20.7	0.0	0.0	n/a	
min	0.0	0.0	76.5	0.1	0.0	20.7	0.0	0.0	n/a	
max	0.0	0.0	79.0	2.8	0.0	20.9	0.0	0.0	n/a	
Borehole Hazardous Gas Flow Rates Q _{avg} (max gas conc)					Methane:		0 L/hr	Carbon Dioxide	0.00 L/hr	
Borehole Hazardous Gas Flow Rates Q _{avg} (steady state gas conc)					Methane:		0.00 L/hr	Carbon Dioxide	0 L/hr	
Comments:										

Well ID:	BH08(d)	Well dia.(mm):	50	Date installed:	13/05/2022	Response stratum:	Rhondra Member and Field Vein coal seam			
		Well depth (m):	31.57			Groundwater depth (m):	22.34			
Monitored Variables		dP (Pa)	LEL (%)	N ₂ (%)	CO ₂ (%)	CH ₄ (%)	O ₂ (%)	H ₂ S (ppm)	Flow (L/hr)	PID (ppm)
Immediate Reading		0.0	0.0	79.0	0.1	0.0	20.9	0.0	0.0	n/a
After 30 Seconds		0.0	0.0	79.0	0.1	0.0	20.9	0.0	0.0	n/a
After 1 Minute		0.0	0.0	79.0	0.1	0.0	20.9	0.0	0.0	n/a
After 2 Minutes		0.0	0.0	79.0	0.1	0.0	20.9	0.0	0.0	n/a
Steady State		0.0	0.0	79.0	0.1	0.0	20.9	0.0	0.0	n/a
min		0.0	0.0	79.0	0.1	0.0	20.9	0.0	0.0	n/a
max		0.0	0.0	79.0	0.1	0.0	20.9	0.0	0.0	n/a
Borehole Hazardous Gas Flow Rates Q ₉₅ (max gas conc)					Methane:	0 L/hr		Carbon Dioxide	0.00 L/hr	
Borehole Hazardous Gas Flow Rates Q ₉₅ (steady state gas conc)					Methane:	0.00 L/hr		Carbon Dioxide	0 L/hr	
Comments:										

Well ID:	WS06	Well dia.(mm):	50	Date installed:	26/04/2022	Response stratum:	Weathered Rhondda Member			
		Well depth (m):	0.60			Groundwater depth (m):	Dry			
Monitored Variables	dP (Pa)	LEL (%)	N ₂ (%)	CO ₂ (%)	CH ₄ (%)	O ₂ (%)	H ₂ S (ppm)	Flow (L/hr)	PID (ppm)	
Immediate Reading	0.0	0.0	79.0	0.1	0.0	20.9	0.0	0.0	n/a	
After 30 Seconds	0.0	0.0	78.3	0.9	0.0	20.8	0.0	0.0	n/a	
After 1 Minute	0.0	0.0	78.1	1.1	0.0	20.8	0.0	0.0	n/a	
After 2 Minutes	0.0	0.0	77.9	1.3	0.0	20.8	0.0	0.0	n/a	
Steady State	0.0	0.0	77.9	1.3	0.0	20.8	0.0	0.0	n/a	
min	0.0	0.0	77.9	0.1	0.0	20.8	0.0	0.0	n/a	
max	0.0	0.0	79.0	1.3	0.0	20.9	0.0	0.0	n/a	
Borehole Hazardous Gas Flow Rates Q _{hg} (max gas conc)					Methane:	0 L/hr	Carbon Dioxide	0.00 L/hr		
Borehole Hazardous Gas Flow Rates Q _{hg} (steady state gas conc)					Methane:	0.00 L/hr	Carbon Dioxide	0 L/hr		
Comments:										

Well ID:	WS07	Well dia.(mm):	50	Date installed:	26/04/2022	Response stratum:	Weathered Rhondda Member			
		Well depth (m):	0.75			Groundwater depth (m):	0.68			
Monitored Variables	dP (Pa)	LEL (%)	N ₂ (%)	CO ₂ (%)	CH ₄ (%)	O ₂ (%)	H ₂ S (ppm)	Flow (L/hr)	PID (ppm)	
Immediate Reading	0.0	0.0	79.0	0.1	0.0	20.9	0.0	0.0	n/a	
After 30 Seconds	0.0	0.0	78.7	0.5	0.0	20.8	0.0	0.0	n/a	
After 1 Minute	0.0	0.0	78.5	0.7	0.0	20.8	0.0	0.0	n/a	
After 2 Minutes	0.0	0.0	78.4	0.8	0.0	20.8	0.0	0.0	n/a	
Steady State	0.0	0.0	78.4	0.8	0.0	20.8	0.0	0.0	n/a	
min	0.0	0.0	78.4	0.1	0.0	20.8	0.0	0.0	n/a	
max	0.0	0.0	79.0	0.8	0.0	20.9	0.0	0.0	n/a	
Borehole Hazardous Gas Flow Rates Q _{hg} (max gas conc)					Methane:	0 L/hr	Carbon Dioxide	0.00 L/hr		
Borehole Hazardous Gas Flow Rates Q _{hg} (steady state gas conc)					Methane:	0.00 L/hr	Carbon Dioxide	0 L/hr		
Comments:										

Well ID:	WS09	Well dia.(mm):	50	Date installed:	27/04/2022	Response stratum:	Weathered Rhondda Member			
		Well depth (m):	0.56			Groundwater depth (m):	Dry			
Monitored Variables	dP (Pa)	LEL (%)	N ₂ (%)	CO ₂ (%)	CH ₄ (%)	O ₂ (%)	H ₂ S (ppm)	Flow (L/hr)	PID (ppm)	
Immediate Reading	0.0	0.0	79.0	0.1	0.0	20.9	0.0	0.0	n/a	
After 30 Seconds	0.0	0.0	78.8	0.4	0.0	20.8	0.0	0.0	n/a	
After 1 Minute	0.0	0.0	78.8	0.4	0.0	20.8	0.0	0.0	n/a	
After 2 Minutes	0.0	0.0	78.8	0.4	0.0	20.8	0.0	0.0	n/a	
Steady State	0.0	0.0	78.8	0.4	0.0	20.8	0.0	0.0	n/a	
min	0.0	0.0	78.8	0.1	0.0	20.8	0.0	0.0	n/a	
max	0.0	0.0	79.0	0.4	0.0	20.9	0.0	0.0	n/a	
Borehole Hazardous Gas Flow Rates Q _{hg} (max gas conc)				Methane:	0 L/hr		Carbon Dioxide	0.00 L/hr		
Borehole Hazardous Gas Flow Rates Q _{hg} (steady state gas conc)				Methane:	0.00 L/hr		Carbon Dioxide	0 L/hr		
Comments:										

Well ID:	WS10	Well dia.(mm):	50	Date installed:	18/11/2014	Response stratum:	Weathered Rhondda Member			
		Well depth (m):	2.05			Groundwater depth (m):	Dry			
Monitored Variables	dP (Pa)	LEL (%)	N ₂ (%)	CO ₂ (%)	CH ₄ (%)	O ₂ (%)	H ₂ S (ppm)	Flow (L/hr)	PID (ppm)	
Immediate Reading	0.0	0.0	79.0	0.1	0.0	20.9	0.0	0.0	n/a	
After 30 Seconds	0.0	0.0	75.2	4.2	0.0	20.6	0.0	0.0	n/a	
After 1 Minute	0.0	0.0	75.1	4.3	0.0	20.6	0.0	0.0	n/a	
After 2 Minutes	0.0	0.0	75.0	4.4	0.0	20.6	0.0	0.0	n/a	
Steady State	0.0	0.0	75.0	4.4	0.0	20.6	0.0	0.0	n/a	
min	0.0	0.0	75.0	0.1	0.0	20.6	0.0	0.0	n/a	
max	0.0	0.0	79.0	4.4	0.0	20.9	0.0	0.0	n/a	
Borehole Hazardous Gas Flow Rates Q _{hg} (max gas conc)					Methane:	0 L/hr		Carbon Dioxide	0.00 L/hr	
Borehole Hazardous Gas Flow Rates Q _{hg} (steady state gas conc)					Methane:	0.00 L/hr		Carbon Dioxide	0 L/hr	
Comments:										

Well ID:	WS11	Well dia.(mm):	50	Date installed:	25/04/2022	Response stratum:	Weathered Rhondda Member, near deep peat			
		Well depth (m):	1.00			Groundwater depth (m):	Dry			
Monitored Variables	dP (Pa)	LEL (%)	N ₂ (%)	CO ₂ (%)	CH ₄ (%)	O ₂ (%)	H ₂ S (ppm)	Flow (L/hr)	PID (ppm)	
Immediate Reading	0.0	0.0	79.0	0.1	0.0	20.9	0.0	0.0	n/a	
After 30 Seconds	0.0	0.0	78.9	0.2	0.0	20.9	0.0	0.0	n/a	
After 1 Minute	0.0	0.0	78.9	0.2	0.0	20.9	0.0	0.0	n/a	
After 2 Minutes	0.0	0.0	78.9	0.2	0.0	20.9	0.0	0.0	n/a	
Steady State	0.0	0.0	78.9	0.2	0.0	20.9	0.0	0.0	n/a	
min	0.0	0.0	78.9	0.1	0.0	20.9	0.0	0.0	n/a	
max	0.0	0.0	79.0	0.2	0.0	20.9	0.0	0.0	n/a	
Borehole Hazardous Gas Flow Rates Q _{hg} (max gas conc)					Methane:	0 L/hr	Carbon Dioxide	0.00 L/hr		
Borehole Hazardous Gas Flow Rates Q _{hg} (steady state gas conc)					Methane:	0.00 L/hr	Carbon Dioxide	0 L/hr		
Comments:										

Well ID:	WS12	Well dia.(mm):	50	Date installed:	18/11/2014	Response stratum:	Weathered Rhondda Member, near deep peat			
		Well depth (m):	0.74			Groundwater depth (m):	Dry			
Monitored Variables	dP (Pa)	LEL (%)	N ₂ (%)	CO ₂ (%)	CH ₄ (%)	O ₂ (%)	H ₂ S (ppm)	Flow (L/hr)	PID (ppm)	
Immediate Reading	0.0	0.0	79.0	0.1	0.0	20.9	0.0	0.0	n/a	
After 30 Seconds	0.0	0.0	74.7	4.7	0.0	20.6	0.0	0.0	n/a	
After 1 Minute	0.0	0.0	74.7	4.7	0.0	20.6	0.0	0.0	n/a	
After 2 Minutes	0.0	0.0	74.7	4.7	0.0	20.6	0.0	0.0	n/a	
Steady State	0.0	0.0	74.7	4.7	0.0	20.6	0.0	0.0	n/a	
min	0.0	0.0	74.7	0.1	0.0	20.6	0.0	0.0	n/a	
max	0.0	0.0	79.0	4.7	0.0	20.9	0.0	0.0	n/a	
Borehole Hazardous Gas Flow Rates Q _{hg} (max gas conc)					Methane:	0 L/hr		Carbon Dioxide	0.00 L/hr	
Borehole Hazardous Gas Flow Rates Q _{hg} (steady state gas conc)					Methane:	0.00 L/hr		Carbon Dioxide	0 L/hr	
Comments:										

Key:

dP - differential pressure (well-atmosphere)

LEL - Lower Explosive Limit (methane)

N₂ - nitrogen

CO₂ - carbon dioxide

CH₄ - methane

O₂ - oxygen

H₂S - Hydrogen sulphide

PID - measure of volatile organic compounds

Source				
Date	Cardiff Airport Station (timeanddate.com)		On-site (BH)	
25/06/2022	1004 - 1006	Rising	967.7 - 971.8	Rising
26/06/2022	1007 - 1012	Rising	971.8 - 977.3	Rising
27/06/2022	1012 - 1019	Rising	977.3 - 983.6	Rising
28/06/2022	1018 - 1012	Falling	983.3 - 976.6	Falling
29/06/2022	1010 - 1011	Steady	976.5 - 976.2	Steady

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Date:	12/07/2022	Atmospheric Pressure (start):	993 mb	Trend:	Falling
Time:	11:30	Atmospheric Pressure (end):	989 mb		
Engineer:	SO	Site Status:	Open field		
Weather:	Sunny, dry	Ground Conditions:	Dry		
Instrument:	Gas Data LMSx1 G3.18e meter	Next Calibration Due Date:	28/07/2022		
Instrument:	Phocheck 2000+ PID	Next Calibration Due Date:	28/09/2022		

[illegible]

Well ID:	BH05(d)	Well dia.(mm):	50	Date Installed:	19/05/2022	Response stratum:	Field Vein Coal Seam				
		Well depth (m):	39.74			Groundwater depth (m):	30.27				
Monitored Variables		dP (Pa)		LEL (%)	N ₂ (%)	CO ₂ (%)	CH ₄ (%)	O ₂ (%)	H ₂ S (ppm)	Flow (L/hr)	PID (ppm)
Immediate Reading		0.0	0.0	79.5	0.0	0.0	0.0	20.5	0.0	0.0	n/a
After 30 Seconds		0.0	0.0	78.9	0.0	0.0	0.0	21.1	0.0	0.0	n/a
After 1 Minute		0.0	0.0	78.9	0.0	0.0	0.0	21.1	0.0	0.0	n/a
After 2 Minutes		0.0	0.0	78.9	0.0	0.0	0.0	21.1	0.0	0.0	n/a
Steady State		0.0	0.0	78.9	0.0	0.0	0.0	21.1	0.0	0.0	n/a
min		0.0	0.0	78.9	0.0	0.0	0.0	20.5	0.0	0.0	n/a
max		0.0	0.0	79.5	0.0	0.0	0.0	21.1	0.0	0.0	n/a
Borehole Hazardous Gas Flow Rates Q _{NG} (max gas conc)						Methane:	0 L/hr		Carbon Dioxide	0.00 L/hr	
Borehole Hazardous Gas Flow Rates Q _{NG} (steady state gas conc)						Methane:	0.00 L/hr		Carbon Dioxide	0 L/hr	
Comments:											

Well ID:	BH05(s)	Well dia.(mm):	18	Date Installed:	19/05/2022	Response stratum:	Weathered Rhondda Member			
		Well depth (m):	4.10			Groundwater depth (m):	Dry			
Monitored Variables		dP (Pa)	LEL (%)	N ₂ (%)	CO ₂ (%)	CH ₄ (%)	O ₂ (%)	H ₂ S (ppm)	Flow (L/hr)	PID (ppm)
Immediate Reading		0.0	0.0	78.9	0.0	0.0	21.1	0.0	0.0	n/a
After 30 Seconds		0.0	0.0	79.5	2.3	0.0	18.2	0.0	0.0	n/a
After 1 Minute		0.0	0.0	79.6	2.4	0.0	18.0	0.0	0.0	n/a
After 2 Minutes		0.0	0.0	79.7	2.4	0.0	17.9	0.0	0.0	n/a
Steady State		0.0	0.0	79.7	2.4	0.0	17.9	0.0	0.0	n/a
min		0.0	0.0	78.9	0.0	0.0	17.9	0.0	0.0	0.0
max		0.0	0.0	79.7	2.4	0.0	21.1	0.0	0.0	0.0
Borehole Hazardous Gas Flow Rates Q _{hg} (max gas conc)					Methane:	0 L/hr		Carbon Dioxide	0.00	n/a
Borehole Hazardous Gas Flow Rates Q _{hg} (steady state gas conc)					Methane:	0.00 L/hr		Carbon Dioxide	0	n/a
Comments:										

Well ID:	BH06(d)	Well dia.(mm):	50	Date installed:	13/05/2022	Response stratum:		Lynfi Member and Wernpitsyll Ridge Coal Seam		
		Well depth (m):	33.56			Groundwater depth (m):		31.12		
Monitored Variables		dP (Pa)	LEL (%)	N ₂ (%)	CO ₂ (%)	CH ₄ (%)	O ₂ (%)	H ₂ S (ppm)	Flow (L/hr)	PID (ppm)
Immediate Reading		0.0	0.0	79.2	0.0	0.0	20.8	0.0	0.0	n/a
After 30 Seconds		0.0	0.0	82.9	1.0	0.0	16.1	0.0	0.0	n/a
After 1 Minute		0.0	0.0	83.1	1.0	0.0	15.9	0.0	0.0	n/a
After 2 Minutes		0.0	0.0	83.1	1.0	0.0	15.9	0.0	0.0	n/a
Steady State		0.0	0.0	83.1	1.0	0.0	15.9	0.0	0.0	n/a
min		0.0	0.0	79.2	0.0	0.0	15.9	0.0	0.0	n/a
max		0.0	0.0	83.1	1.0	0.0	20.8	0.0	0.0	n/a
Borehole Hazardous Gas Flow Rates Q _{hg} (max gas conc)					Methane:	0 L/hr		Carbon Dioxide	0.00 L/hr	
Borehole Hazardous Gas Flow Rates Q _{hg} (steady state gas conc)					Methane:	0.00 L/hr		Carbon Dioxide	0 L/hr	
Comments:										

Well ID:	BH06(s)	Well dia.(mm):	18	Date installed:	13/05/2022	Response stratum:	Weathered Rhondia Member			
Monitored Variables		Well depth (m):	4.07			Groundwater depth (m):	3.98			
Immediate Reading	OP (%)	LEL (%)	N ₂ (%)	CO ₂ (%)	CH ₄ (%)	O ₂ (%)	H ₂ S (ppm)	Flow (L/hr)	PID (ppm)	
	0.0	0.0	79.2	0.0	0.0	20.5	0.0	0.0	n/a	
After 30 Seconds	0.0	0.0	79.1	0.7	0.0	20.2	0.0	0.0	n/a	
After 1 Minute	0.0	0.0	79.1	0.7	0.0	20.2	0.0	0.0	n/a	
After 2 Minutes	0.0	0.0	79.1	0.7	0.0	20.2	0.0	0.0	n/a	
Steady State	0.0	0.0	78.9	0.6	0.0	20.5	0.0	0.0	n/a	
min	0.0	0.0	78.9	0.0	0.0	20.2	0.0	0.0	n/a	
max	0.0	0.0	79.2	0.7	0.0	20.8	0.0	0.0	n/a	
Borehole Hazardous Gas Flow Rates Q _{hg} (max gas conc)					Methane:	0 L/hr	Carbon Dioxide	0.00 L/hr		
Borehole Hazardous Gas Flow Rates Q _{hg} (steady state gas conc)					Methane:	0.00 L/hr	Carbon Dioxide	0 L/hr		
Comments:										

Well ID:	BH07	Well dia.(mm):	50	Date installed:	26/05/2022	Response stratum:	Rhonda&Lynrh Member, Wernpitayil Rider, Near deep peat.		
Well depth (m):		16.75		Groundwater depth (m):		5.63			
Monitored Variables	dP (%)	LEL (%)	N ₂ (%)	CO ₂ (%)	CH ₄ (%)	O ₂ (%)	H ₂ S (ppm)	Flow (L/hr)	PID (ppm)
Immediate Reading	0.0	0.0	79.0	0.0	0.0	21.0	0.0	0.0	n/a
After 30 Seconds	0.0	0.0	79.3	0.7	0.0	20.0	0.0	0.0	n/a
After 1 Minute	0.0	0.0	79.3	0.6	0.0	20.1	0.0	0.0	n/a
After 2 Minutes	0.0	0.0	79.2	0.5	0.0	20.3	0.0	0.0	n/a
Steady State	0.0	0.0	79.2	0.5	0.0	20.3	0.0	0.0	n/a
min	0.0	0.0	79.0	0.0	0.0	20.0	0.0	0.0	n/a
max	0.0	0.0	79.3	0.7	0.0	21.0	0.0	0.0	n/a
Borehole Hazardous Gas Flow Rates Q _{hw} (max gas conc)				Methane:	0 L/hr		Carbon Dioxide	0.00 L/hr	
Borehole Hazardous Gas Flow Rates Q _{hw} (steady state gas conc)				Methane:	0.00 L/hr		Carbon Dioxide	0 L/hr	
Comments:									

Well ID:	WS04	Well dia.(mm):	50	Date Installed:	27/04/2022	Response stratum:		Weathered Rhonda Member		
		Well depth (m):	0.89			Groundwater depth (m):		0.81		
Monitored Variables		dP (Pa)	LEL (%)	N ₂ (%)	CO ₂ (%)	CH ₄ (%)	O ₂ (%)	H ₂ S (ppm)	Flow (L/hr)	PID (ppm)
Immediate Reading		0.0	0.0	79.9	0.0	0.0	20.5	0.0	0.0	n/a
After 30 Seconds		0.0	0.0	78.9	1.9	0.0	19.5	0.0	0.0	n/a
After 1 Minute		0.0	0.0	78.9	1.7	0.0	19.4	0.0	0.0	n/a
After 2 Minutes		0.0	0.0	78.9	2.0	0.0	19.1	0.0	0.0	n/a
Steady State		0.0	0.0	78.9	2.0	0.0	19.1	0.0	0.0	n/a
min		0.0	0.0	78.9	0.0	0.0	19.1	0.0	0.0	n/a
max		0.0	0.0	79.5	2.0	0.0	20.5	0.0	0.0	n/a
Borehole Hazardous Gas Flow Rates Q _{Hg} (max gas conc)					Methane:	0 L/hr		Carbon Dioxide	0.00 L/hr	
Borehole Hazardous Gas Flow Rates Q _{Hg} (steady state gas conc)					Methane:	0.00 L/hr		Carbon Dioxide	0 L/hr	
Comments:										

Well ID:	WS07	Well dia.(mm):	50	Date Installed:	26/04/2022	Response stratum:	Weathered Rhondda Member			
		Well depth (m):	0.74			Groundwater depth (m):	0.66			
Monitored Variables	dP (Pa)	LEL (%)	N ₂ (%)	CO ₂ (%)	CH ₄ (%)	O ₂ (%)	H ₂ S (ppm)	Flow (L/hr)	PID (ppm)	
Immediate Reading	0.0	0.0	79.5	0.0	0.0	20.5	0.0	0.0	n/a	
After 30 Seconds	0.0	0.0	78.8	1.3	0.0	19.9	0.0	0.0	n/a	
After 1 Minute	0.0	0.0	78.9	1.3	0.0	19.8	0.0	0.0	n/a	
After 2 Minutes	0.0	0.0	78.8	1.4	0.0	19.8	0.0	0.0	n/a	
Steady State	0.0	0.0	78.8	1.4	0.0	19.8	0.0	0.0	n/a	
min	0.0	0.0	78.8	0.0	0.0	19.8	0.0	0.0	n/a	
max	0.0	0.0	79.5	1.4	0.0	20.5	0.0	0.0	n/a	
Borehole Hazardous Gas Flow Rates Q _{hg} (max gas conc)					Methane:	0 L/hr	Carbon Dioxide	0.00 L/hr		
Borehole Hazardous Gas Flow Rates Q _{hg} (steady state gas conc)					Methane:	0.00 L/hr	Carbon Dioxide	0 L/hr		
Comments:										

Well ID:	WS09	Well dia.(mm):	50	Date installed:	27/04/2022	Response stratum:	Weathered Rhondda Member			
		Well depth (m):	0.57			Groundwater depth (m):	Dry			
Monitored Variables	dP (Pa)	LEL (%)	N ₂ (%)	CO ₂ (%)	CH ₄ (%)	O ₂ (%)	H ₂ S (ppm)	Flow (L/hr)	PID (ppm)	
Immediate Reading	0.0	0.0	79.0	0.0	0.0	21.0	0.0	0.0	n/a	
After 30 Seconds	0.0	0.0	78.8	0.4	0.0	20.8	0.0	0.0	n/a	
After 1 Minute	0.0	0.0	78.8	0.4	0.0	20.8	0.0	0.0	n/a	
After 2 Minutes	0.0	0.0	78.9	0.3	0.0	20.8	0.0	0.0	n/a	
Steady State	0.0	0.0	78.9	0.3	0.0	20.8	0.0	0.0	n/a	
min	0.0	0.0	78.8	0.0	0.0	20.8	0.0	0.0	n/a	
max	0.0	0.0	79.0	0.4	0.0	21.0	0.0	0.0	n/a	
Borehole Hazardous Gas Flow Rates Q _{hg} (max gas conc)				Methane:	0 L/hr		Carbon Dioxide	0.00 L/hr		
Borehole Hazardous Gas Flow Rates Q _{hg} (steady state gas conc)				Methane:	0.00 L/hr		Carbon Dioxide	0 L/hr		
Comments:										

Well ID:	WS10	Well dia.(mm):	50	Date Installed:	18/11/2014	Response stratum:		Weathered Rhondda Member		
		Well depth (m):	2.05			Groundwater depth (m):		Dry		
Monitored Variables	dP (Pa)	LEL (%)	N ₂ (%)	CO ₂ (%)	CH ₄ (%)	O ₂ (%)	H ₂ S (ppm)	Flow (L/hr)	PID (ppm)	
Immediate Reading	0.0	0.0	79.3	0.0	0.0	20.7	0.0	0.0	n/a	
After 30 Seconds	0.0	0.0	79.2	4.4	0.0	16.4	0.0	0.0	n/a	
After 1 Minute	0.0	0.0	79.1	4.5	0.0	16.4	0.0	0.0	n/a	
After 2 Minutes	0.0	0.0	79.3	4.5	0.0	16.2	0.0	0.0	n/a	
Steady State	0.0	0.0	79.3	4.5	0.0	16.2	0.0	0.0	n/a	
min	0.0	0.0	79.1	0.0	0.0	16.2	0.0	0.0	n/a	
max	0.0	0.0	79.3	4.5	0.0	20.7	0.0	0.0	n/a	
Borehole Hazardous Gas Flow Rates Q _{hg} (max gas conc)				Methane:		0 L/hr		Carbon Dioxide		0.00 L/hr
Borehole Hazardous Gas Flow Rates Q _{hg} (steady state gas conc)				Methane:		0.00 L/hr		Carbon Dioxide		0 L/hr
Comments:										

Well ID:	WS1.1	Well dia.(mm):	50	Date installed:	25/04/2022	Response stratum:		Weathered Rhondda Member, near deep peat		
		Well depth (m):	1.00			Groundwater depth (m):		Dry		
Monitored Variables	dP (Pa)	LEL (%)	N ₂ (%)	CO ₂ (%)	CH ₄ (%)	O ₂ (%)	H ₂ S (ppm)	Flow (L/hr)	PID (ppm)	
Immediate Reading	0.0	0.0	79.0	0.1	0.0	20.9	0.0	0.0	n/a	
After 30 Seconds	0.0	0.0	80.3	2.5	0.0	17.2	0.0	0.0	n/a	
After 1 Minute	0.0	0.0	80.4	2.5	0.0	17.1	0.0	0.0	n/a	
After 2 Minutes	0.0	0.0	80.4	2.6	0.0	17.0	0.0	0.0	n/a	
Steady State	0.0	0.0	80.4	2.6	0.0	17.0	0.0	0.0	n/a	
min	0.0	0.0	79.0	0.1	0.0	17.0	0.0	0.0	n/a	
max	0.0	0.0	80.4	2.6	0.0	20.9	0.0	0.0	n/a	
Borehole Hazardous Gas Flow Rates Q _{hg} (max gas conc)				Methane:	0 L/hr		Carbon Dioxide	0.00 L/hr		
Borehole Hazardous Gas Flow Rates Q _{hg} (steady state gas conc)				Methane:	0.00 L/hr		Carbon Dioxide	0 L/hr		
Comments:										

Well ID:	WS12	Well dia.(mm):	50	Date Installed:	18/11/2014	Response stratum:	Weathered Rhondda Member, near deep peat			
		Well depth (m):	0.74			Groundwater depth (m):	Dry			
Monitored Variables	dP (Pa)	LEL (%)	N ₂ (%)	CO ₂ (%)	CH ₄ (%)	O ₂ (%)	H ₂ S (ppm)	Flow (L/hr)	PID (ppm)	
Immediate Reading	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
After 30 Seconds	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
After 1 Minute	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
After 2 Minutes	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
Steady State	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
min	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
max	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	
Borehole Hazardous Gas Flow Rates Q _{hg} (max gas conc)				Methane:	- L/hr		Carbon Dioxide	- L/hr		
Borehole Hazardous Gas Flow Rates Q _{hg} (steady state gas conc)				Methane:	- L/hr		Carbon Dioxide	- L/hr		
Comments:		Unable to record, infested with red ants								

Key:
dP - differential pressure (well-atmosphere)
LEL - Lower Explosive Limit (methane)
N₂ - nitrogen
CO₂ - carbon dioxide
CH₄ - methane
O₂ - oxygen
H₂S - Hydrogen sulphide
PID - measure of volatile organic compounds

Source			
Date	Cardiff Airport Station (timeanddate.com)	On-site (BH)	
10/07/2022	1029 - 1025	Falling	995.6 - 990.6
11/07/2022	1024 - 1022	Falling	990.5 - 988.7
12/07/2022	1022 - 1022	Steady	988.7 - 988.3
13/07/2022	1022 - 1012	Falling	988.2 - 989.2
14/07/2022	1010 - 1011	Steady	989.2 - 991.9

Proposed Adventure Park, Afan Valley Resort
Afan Valley Resort
Results of Hazardous Gas and Groundwater Monitoring
(Spot Monitoring)
Project Ref. 8053



Monitoring Event 4

Date:	28/07/2022	Atmospheric Pressure (start):	993 mb	Trend:	Falling
Time:	11:30	Atmospheric Pressure (end):	989 mb		
Engineer:	SO	Site Status:	Open field		
Weather:	Sunny, dry	Ground Conditions:	Dry		
Instrument:	Gas Data LMSxl G3.18e meter	Next Calibration Due Date:	28/07/2022		
Instrument:	Phocheck 2000+ PID	Next Calibration Due Date:	28/09/2022		

Well ID:	BHO1(d)	Well dia.(mm):	50	Date installed:	20/05/2022	Response stratum:		Brithdir Member Bedrock		
		Well depth (m):	21.09			Groundwater depth (m):		16.38		
Monitored Variables		dP (Pa)	LEL (%)	N ₂ (%)	CO ₂ (%)	CH ₄ (%)	O ₂ (%)	H ₂ S (ppm)	Flow (L/hr)	PID (ppm)
Immediate Reading		0.0	0.0	79.3	0.0	0.0	20.7	0.0	0.0	0.4
After 30 Seconds		0.0	0.0	86.2	3.2	0.0	10.6	0.0	0.0	0.7
After 1 Minute		0.0	0.0	86.3	3.3	0.0	10.4	0.0	0.0	0.7
After 2 Minutes		0.0	0.0	86.3	3.3	0.0	10.4	0.0	0.0	0.7
Steady State		0.0	0.0	86.3	3.3	0.0	10.4	0.0	0.0	0.7
min		0.0	0.0	79.3	0.0	0.0	10.4	0.0	0.0	0.4
max		0.0	0.0	86.3	3.3	0.0	20.7	0.0	0.0	0.7
Borehole Hazardous Gas Flow Rates Q _{hg} (max gas conc)					Methane:	0 L/hr		Carbon Dioxide	0.00 L/hr	
Borehole Hazardous Gas Flow Rates Q _{hg} (steady state gas conc)					Methane:	0.00 L/hr		Carbon Dioxide	0 L/hr	
Comments:		No flow detected. Steady state achieved within 10minutes - well monitored for 20minutes total.								

Well ID:	BHO1(s)	Well dia.(mm):	18	Date installed:	20/05/2022	Response stratum:	Weathered Brithdir Member Bedrock		
		Well depth (m):	3.00			Groundwater depth (m):	Dry		
Monitored Variables	dP (Pa)	LEL (%)	N ₂ (%)	CO ₂ (%)	CH ₄ (%)	O ₂ (%)	H ₂ S (ppm)	Flow (L/hr)	PID (ppm)
Immediate Reading	-1.0	0.0	79.4	0.0	0.0	20.6	0.0	-0.3	0.2
After 30 Seconds	0.0	0.0	81.8	4.0	0.0	14.2	0.0	0.0	0.1
After 1 Minute	0.0	0.0	82.5	4.6	0.0	12.9	0.0	0.0	0.2
After 2 Minutes	0.0	0.0	82.5	5.5	0.0	12.0	0.0	0.0	0.2
Steady State	0.0	0.0	81.9	5.9	0.0	12.2	0.0	0.0	0.2
min	-1.0	0.0	79.4	0.0	0.0	12.0	0.0	-0.3	0.1
max	0.0	0.0	82.5	5.9	0.0	20.6	0.0	0.0	0.2
Borehole Hazardous Gas Flow Rates Q _{Hg} (max gas conc)				Methane:	0 L/hr		Carbon Dioxide	0.00 L/hr	
Borehole Hazardous Gas Flow Rates Q _{Hg} (steady state gas conc)				Methane:	0.00 L/hr		Carbon Dioxide	0 L/hr	
Comments:		No flow detected. Steady state achieved within 5minutes - well monitored for 10minutes total.							

Well ID:	BHO2	Well dia.(mm):	50		Date installed:	23/05/2022		Response stratum:		Rhondda Member and No.1 Rhondda Coal Seam							
		Well depth (m):	24.60						Groundwater depth (m):		17.70						
Monitored Variables		dP (Pa)	LEL (%)		N ₂ (%)		CO ₂ (%)		CH ₄ (%)		O ₂ (%)		H ₂ S (ppm)		Flow (L/hr)		PID (ppm)
Immediate Reading		-2.0	0.0		79.7		0.0		0.0		20.3		0.0		-0.3		0.2
After 30 Seconds		0.0	0.0		80.1		0.5		0.0		19.4		0.0		0.0		0.2
After 1 Minute		0.0	0.0		80.2		0.5		0.0		19.3		0.0		0.0		0.1
After 2 Minutes		0.0	0.0		80.1		0.5		0.0		19.4		0.0		0.0		0.2
Steady State		0.0	0.0		80.1		0.5		0.0		19.4		0.0		0.0		0.2
min		-2.0	0.0		79.7		0.0		0.0		19.3		0.0		-0.3		0.1
max		0.0	0.0		80.2		0.5		0.0		20.3		0.0		0.0		0.2
Borehole Hazardous Gas Flow Rates Q _{hg} (max gas conc)					Methane:		0 L/hr		Carbon Dioxide		0.00 L/hr						
Borehole Hazardous Gas Flow Rates Q _{hg} (steady state gas conc)					Methane:		0.00 L/hr		Carbon Dioxide		0 L/hr						
Comments:		Steady state achieved within 10minutes - well monitored for 20minutes total.															

Well ID:	BH03	Well dia.(mm):	50		Date installed:	18/05/2022		Response stratum:		Rhondda Member Bedrock	
		Well depth (m):	9.82				Groundwater depth (m):		9.77		
Monitored Variables		dP (Pa)	LEL (%)	N ₂ (%)	CO ₂ (%)	CH ₄ (%)	O ₂ (%)	H ₂ S (ppm)	Flow (L/hr)	PID (ppm)	
Immediate Reading		0.0	0.0	79.2	0.1	0.0	20.7	0.0	0.0	0.2	
After 30 Seconds		0.0	0.0	79.6	1.4	0.0	19.0	0.0	0.0	0.2	
After 1 Minute		0.0	0.0	79.6	1.4	0.0	19.0	0.0	0.0	0.2	
After 2 Minutes		0.0	0.0	79.7	1.5	0.0	18.8	0.0	0.0	0.2	
Steady State		0.0	0.0	79.7	1.6	0.0	18.7	0.0	0.0	0.2	
min		0.0	0.0	79.2	0.1	0.0	18.7	0.0	0.0	0.2	
max		0.0	0.0	79.7	1.6	0.0	20.7	0.0	0.0	0.2	
Borehole Hazardous Gas Flow Rates Q _{hg} (max gas conc)					Methane:	0 L/hr		Carbon Dioxide	0.00 L/hr		
Borehole Hazardous Gas Flow Rates Q _{hg} (steady state gas conc)					Methane:	0.00 L/hr		Carbon Dioxide	0 L/hr		
Comments:		No flow detected. Steady state achieved within 10minutes - well monitored for 20minutes total.									

Well ID:	BHO4(d)	Well dia.(mm):	50	Date installed:	25/05/2022	Response stratum:	No 2. Rhondda Coal Seam (Both Field Vein and Wernddu)		
		Well depth (m):	23.34			Groundwater depth (m):	17.00		
Monitored Variables	dP (Pa)	LEL (%)	N ₂ (%)	CO ₂ (%)	CH ₄ (%)	O ₂ (%)	H ₂ S (ppm)	Flow (L/hr)	PID (ppm)
Immediate Reading	0.0	0.0	79.2	0.0	0.0	20.8	0.0	0.0	0.1
After 30 Seconds	0.0	0.0	79.3	0.0	0.0	20.7	0.0	0.0	0.2
After 1 Minute	0.0	0.0	79.2	0.0	0.0	20.8	0.0	0.0	0.2
After 2 Minutes	0.0	0.0	79.2	0.0	0.0	20.8	0.0	0.0	0.2
Steady State	0.0	0.0	79.2	0.0	0.0	20.8	0.0	0.0	0.2
min	0.0	0.0	79.2	0.0	0.0	20.7	0.0	0.0	0.1
max	0.0	0.0	79.3	0.0	0.0	20.8	0.0	0.0	0.2
Borehole Hazardous Gas Flow Rates Q _{hg} (max gas conc)				Methane:	0 L/hr		Carbon Dioxide	0.00 L/hr	
Borehole Hazardous Gas Flow Rates Q _{hg} (steady state gas conc)				Methane:	0.00 L/hr		Carbon Dioxide	0 L/hr	
Comments:	No flow detected. Steady state achieved within 10minutes - well monitored for 20minutes total.								

Well ID:	BHO4(s)	Well dia.(mm):	18		Date installed:	25/05/2022		Response stratum:	Made Ground and Weathered Rhondda Member		
		Well depth (m):	3.50					Groundwater depth (m):	2.20		
Monitored Variables		dP (Pa)	LEL (%)	N ₂ (%)	CO ₂ (%)	CH ₄ (%)	O ₂ (%)	H ₂ S (ppm)	Flow (L/hr)	PID (ppm)	
Immediate Reading		0.0	0.0	79.5	0.0	0.0	20.5	0.0	0.0	0.1	
After 30 Seconds		0.0	0.0	83.7	4.4	0.0	11.9	0.0	0.0	0.2	

Well ID:	BH05(d)	Well dia.(mm):	50	Date Installed:	19/05/2022	Response stratum:	Field Vein Coal Seam			
		Well depth (m):	40.31				Groundwater depth (m):	30.10		
Monitored Variables		dP (Pa)	LEL (%)	N ₂ (%)	CO ₂ (%)	CH ₄ (%)	O ₂ (%)	H ₂ S (ppm)	Flow (L/hr)	PID (ppm)
Immediate Reading		0.0	0.0	79.3	0.0	0.0	20.7	0.0	0.0	0.2
After 30 Seconds		0.0	0.0	79.2	0.0	0.0	20.8	0.0	0.0	0.4
After 1 Minute		0.0	0.0	79.2	0.0	0.0	20.8	0.0	0.0	0.3
After 2 Minutes		0.0	0.0	79.2	0.0	0.0	20.8	0.0	0.0	0.3
Steady State		0.0	0.0	79.2	0.0	0.0	20.8	0.0	0.0	0.3
min		0.0	0.0	79.2	0.0	0.0	20.7	0.0	0.0	0.2
max		0.0	0.0	79.3	0.0	0.0	20.8	0.0	0.0	0.4
Borehole Hazardous Gas Flow Rates Q _{hg} (max gas conc)					Methane:	0 L/hr		Carbon Dioxide	0.00 L/hr	
Borehole Hazardous Gas Flow Rates Q _{hg} (steady state gas conc)					Methane:	0.00 L/hr		Carbon Dioxide	0 L/hr	
Comments:		No flow detected. Steady state achieved within 10minutes - well monitored for 20minutes total.								

Well ID:	BH06(d)	Well dia.(mm):	50	Date Installed:	13/05/2022	Response stratum:		Weathered Brithdir Member Bedrock		
		Well depth (m):	33.81			Groundwater depth (m):		31.31		
Monitored Variables		dP (Pa)	LEL (%)	N ₂ (%)	CO ₂ (%)	CH ₄ (%)	O ₂ (%)	H ₂ S (ppm)	Flow (L/hr)	PID (ppm)
Immediate Reading		0.0	0.0	79.1	0.0	0.0	20.9	0.0	0.0	0.6
After 30 Seconds		0.0	0.0	82.0	0.9	0.0	17.1	0.0	0.0	1.0
After 1 Minute		0.0	0.0	82.1	0.9	0.0	17.0	0.0	0.0	1.0
After 2 Minutes		0.0	0.0	82.1	1.0	0.0	16.9	0.0	0.0	1.0
Steady State		0.0	0.0	82.1	1.0	0.0	16.9	0.0	0.0	1.0
min		0.0	0.0	79.1	0.0	0.0	16.9	0.0	0.0	0.6
max		0.0	0.0	82.1	1.0	0.0	20.9	0.0	0.0	1.0
Borehole Hazardous Gas Flow Rates Q _{Hg} (max gas conc)					Methane:	0 L/hr		Carbon Dioxide	0.00 L/hr	
Borehole Hazardous Gas Flow Rates Q _{Hg} (steady state gas conc)					Methane:	0.00 L/hr		Carbon Dioxide	0 L/hr	
Comments:		No flow detected. Steady state achieved within 10minutes - well monitored for 20minutes total.								

Well ID:	BH07	Well dia.(mm):	50	Date installed:	26/05/2022	Response stratum:	Weathered Brithdir Member Bedrock		
Monitored Variables	Well depth (m):	16.73				Groundwater depth (m):	6.42		
	dP (Pa)	LEL (%)	N₂ (%)	CO₂ (%)	CH₄ (%)	O₂ (%)	H₂S (ppm)	Flow (L/hr)	PID (ppm)
Immediate Reading	0.0	0.0	79.2	0.0	0.0	20.8	0.0	0.0	0.1
After 30 Seconds	0.0	0.0	79.0	0.2	0.0	20.8	0.0	0.0	0.2
After 1 Minute	0.0	0.0	79.1	0.1	0.0	20.8	0.0	0.0	0.2
After 2 Minutes	0.0	0.0	79.0	0.1	0.0	20.9	0.0	0.0	0.2
Steady State	0.0	0.0	79.0	0.1	0.0	20.9	0.0	0.0	0.2
<i>min</i>	0.0	0.0	79.0	0.0	0.0	20.8	0.0	0.0	0.1
<i>max</i>	0.0	0.0	79.2	0.2	0.0	20.9	0.0	0.0	0.2
Borehole Hazardous Gas Flow Rates $\dot{Q}_{hg}$ (max gas conc)					Methane:	0 L/hr	Carbon Dioxide	0.00 L/hr	
Borehole Hazardous Gas Flow Rates $\dot{Q}_{hg}$ (steady state gas conc)					Methane:	0.00 L/hr	Carbon Dioxide	0 L/hr	
Comments:		No flow detected. Steady state achieved within 10minutes - well monitored for 20minutes total.							

Well ID:	BH08(d)	Well dia.(mm):	50	Date installed:	13/05/2022	Response stratum:		Rhondda Member and Field Vein coal seam		
		Well depth (m):	31.04			Groundwater depth (m):		28.36		
Monitored Variables	dP (Pa)	LEL (%)	N ₂ (%)	CO ₂ (%)	CH ₄ (%)	O ₂ (%)	H ₂ S (ppm)	Flow (L/hr)	PID (ppm)	
Immediate Reading	0.0	0.0	79.2	0.0	0.0	20.8	0.0	0.0	0.1	
After 30 Seconds	0.0	0.0	79.2	0.1	0.0	20.7	0.0	0.0	0.4	
After 1 Minute	0.0	0.0	79.2	0.1	0.0	20.7	0.0	0.0	0.5	
After 2 Minutes	0.0	0.0	79.2	0.1	0.0	20.7	0.0	0.0	0.5	
Steady State	0.0	0.0	79.2	0.1	0.0	20.7	0.0	0.0	0.5	
min	0.0	0.0	79.2	0.0	0.0	20.7	0.0	0.0	0.1	
max	0.0	0.0	79.2	0.1	0.0	20.8	0.0	0.0	0.5	
Borehole Hazardous Gas Flow Rates Q _{hg} (max gas conc)				Methane:	0 L/hr		Carbon Dioxide	0.00 L/hr		
Borehole Hazardous Gas Flow Rates Q _{hg} (steady state gas conc)				Methane:	0.00 L/hr		Carbon Dioxide	0 L/hr		
Comments:	No flow detected. Steady state achieved within 10minutes - well monitored for 20minutes total.									

Well ID:	BH08(s)	Well dia.(mm):	50	Date installed:	13/05/2022	Response stratum:	Weathered Rhondda Member			
		Well depth (m):	4.37			Groundwater depth (m):	Dry			
Monitored Variables	dP (Pa)	LEL (%)	N ₂ (%)	CO ₂ (%)	CH ₄ (%)	O ₂ (%)	H ₂ S (ppm)	Flow (L/hr)	PID (ppm)	
Immediate Reading	0.0	0.0	79.0	0.1	0.0	20.9	0.0	0.0	0.1	
After 30 Seconds	0.0	0.0	79.0	0.0	0.0	21.0	0.0	0.0	0.2	
After 1 Minute	0.0	0.0	79.1	0.0	0.0	20.9	0.0	0.0	0.1	
After 2 Minutes	0.0	0.0	79.1	0.0	0.0	20.9	0.0	0.0	0.2	
Steady State	0.0	0.0	79.1	0.0	0.0	20.9	0.0	0.0	0.2	
min	0.0	0.0	79.0	0.0	0.0	20.9	0.0	0.0	0.1	
max	0.0	0.0	79.1	0.1	0.0	21.0	0.0	0.0	0.2	
Borehole Hazardous Gas Flow Rates Q _{Hg} (max gas conc)					Methane:	0 L/hr	Carbon Dioxide	0.00 L/hr		
Borehole Hazardous Gas Flow Rates Q _{Hg} (steady state gas conc)					Methane:	0.00 L/hr	Carbon Dioxide	0 L/hr		
Comments:	No flow detected. Steady state achieved within 5minutes - well monitored for 10minutes total.									

Well ID:	BH09a	Well dia.(mm):	50		Date installed:	13/05/2022		Response stratum:		Rhondda&Llynfi Member, Field Vein, Wernddu, Wernpitsyll Rd		
		Well depth (m):	49.30				Groundwater depth (m):		33.16			
Monitored Variables		dP (Pa)	LEL (%)	N ₂ (%)	CO ₂ (%)	CH ₄ (%)	O ₂ (%)	H ₂ S (ppm)	Flow (L/hr)	PID (ppm)		
Immediate Reading		0.0	0.0	79.0	0.0	0.0	21.0	0.0	0.0	0.1		
After 30 Seconds		0.0	0.0	79.8	0.1	0.0	20.1	0.0	0.0	0.2		
After 1 Minute		0.0	0.0	79.7	0.1	0.0	20.2	0.0	0.0	0.2		
After 2 Minutes		0.0	0.0	79.7	0.1	0.0	20.2	0.0	0.0	0.2		
Steady State		0.0	0.0	79.7	0.1	0.0	20.2	0.0	0.0	0.2		
min		0.0	0.0	79.0	0.0	0.0	20.1	0.0	0.0	0.1		
max		0.0	0.0	79.8	0.1	0.0	21.0	0.0	0.0	0.2		
Borehole Hazardous Gas Flow Rates Q _{hg} (max gas conc)					Methane:	0 L/hr		Carbon Dioxide	0.00 L/hr			
Borehole Hazardous Gas Flow Rates Q _{hg} (steady state gas conc)					Methane:	0.00 L/hr		Carbon Dioxide	0 L/hr			
Comments:		No flow detected. Steady state achieved within 10minutes - well monitored for 20minutes total.										

Well ID:	WS01	Well dia.(mm):	50		Date installed:	27/04/2022		Response stratum:		Weathered Rhondda Member		
		Well depth (m):	0.83				Groundwater depth (m):		0.74			
Monitored Variables		dP (Pa)	LEL (%)	N ₂ (%)	CO ₂ (%)	CH ₄ (%)	O ₂ (%)	H ₂ S (ppm)	Flow (L/hr)	PID (ppm)		
Immediate Reading		0.0	0.0	79.3	0.0	0.0	20.7	0.0	0.0	0.1		
After 30 Seconds		0.0	0.0	80.1	2.3	0.0	17.6	0.0	0.0	0.2		
After 1 Minute		0.0	0.0	80.2	1.1	0.0	18.7	0.0	0.0	0.2		
After 2 Minutes		0.0	0.0	79.4	0.7	0.0	19.9	0.0	0.0	0.2		
Steady State		0.0	0.0	79.2	0.6	0.0	20.2	0.0	0.0	0.2		
min		0.0	0.0	77.0	0.1	0.0	20.7	0.0	0.0	0.1		
max		0.0	0.0	79.0	2.3	0.0	20.9	0.0	0.0	0.2		
Borehole Hazardous Gas Flow Rates Q _{hg} (max gas conc)						Methane:		0 L/hr		Carbon Dioxide		
Borehole Hazardous Gas Flow Rates Q _{hg} (steady state gas conc)						Methane:		0.00 L/hr		Carbon Dioxide		
										0 L/hr		
Comments:		No flow detected. Steady state achieved within 4minutes - well monitored for 10minutes total.										

Well ID:	WS02	Well dia.(mm):	50	Date installed:	27/04/2022	Response stratum:		Weathered Rhondda Member		
		Well depth (m):	2.69			Groundwater depth (m):		0.42		
Monitored Variables		dP (Pa)	LEL (%)	N ₂ (%)	CO ₂ (%)	CH ₄ (%)	O ₂ (%)	H ₂ S (ppm)	Flow (L/hr)	PID (ppm)
Immediate Reading		-22.0	0.0	79.8	0.1	0.0	20.1	0.0	-3.6	0.2
After 30 Seconds		-10.0	0.0	78.8	0.5	0.0	20.7	0.0	-1.9	0.3
After 1 Minute		-4.0	0.0	78.9	0.5	0.0	20.6	0.0	-0.8	0.5
After 2 Minutes		0.0	0.0	79.4	0.8	0.0	19.8	0.0	0.0	0.7
Steady State		0.0	0.0	79.4	0.8	0.0	19.8	0.0	0.0	0.7
min		-22.0	0.0	78.8	0.1	0.0	19.8	0.0	-3.6	0.2
max		0.0	0.0	79.8	0.8	0.0	20.7	0.0	0.0	0.7
Borehole Hazardous Gas Flow Rates Q _{hg} (max gas conc)						Methane:		0 L/hr		0.00 L/hr
Borehole Hazardous Gas Flow Rates Q _{hg} (steady state gas conc)						Methane:		0.00 L/hr		0 L/hr
Comments:		Steady state achieved within 4minutes - well monitored for 10minutes total.								

Well ID:	WS03	Well dia.(mm):	50		Date installed:	26/04/2022		Response stratum:		Weathered Rhondda Member		
		Well depth (m):	0.67				Groundwater depth (m):		Dry			
Monitored Variables		dP (Pa)	LEL (%)	N ₂ (%)	CO ₂ (%)	CH ₄ (%)	O ₂ (%)	H ₂ S (ppm)	Flow (L/hr)	PID (ppm)		
Immediate Reading		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a		
After 30 Seconds		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a		
After 1 Minute		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a		
After 2 Minutes		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a		
Steady State		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a		
min		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a		
max		n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a		
Borehole Hazardous Gas Flow Rates Q _{hg} (max gas conc)					Methane:		- L/hr		Carbon Dioxide		- L/hr	
Borehole Hazardous Gas Flow Rates Q _{hg} (steady state gas conc)					Methane:		- L/hr		Carbon Dioxide		- L/hr	
Comments:		Well buried/destroyed										

Well ID:	WS04	Well dia.(mm):	50	Date installed:	27/04/2022	Response stratum:	Weathered Rhondda Member			
		Well depth (m):	0.90			Groundwater depth (m):	0.83			
Monitored Variables	dP (Pa)	LEL (%)	N ₂ (%)	CO ₂ (%)	CH ₄ (%)	O ₂ (%)	H ₂ S (ppm)	Flow (L/hr)	PID (ppm)	
Immediate Reading	0.0	0.0	79.2	0.1	0.0	20.7	0.0	0.0	0.1	
After 30 Seconds	0.0	0.0	79.3	1.9	0.0	18.8	0.0	0.0	0.2	
After 1 Minute	0.0	0.0	79.3	2.1	0.0	18.6	0.0	0.0	0.2	
After 2 Minutes	0.0	0.0	79.4	2.2	0.0	18.4	0.0	0.0	0.2	
Steady State	0.0	0.0	79.4	2.2	0.0	18.4	0.0	0.0	0.2	
min	0.0	0.0	79.2	0.1	0.0	18.4	0.0	0.0	0.1	

Well ID:	WS05	Well dia.(mm):	50	Date Installed:	26/04/2022	Response stratum:	Weathered Rhonda Member		
		Well depth (m):	2.85			Groundwater depth (m):	2.77		
Monitored Variables	dP (Pa)	LEL (%)	N₂ (%)	CO₂ (%)	CH₄ (%)	O₂ (%)	H₂S (ppm)	Flow (L/hr)	PID (ppm)
Immediate Reading	0.0	0.0	79.2	0.0	0.0	20.8	0.0	0.0	0.3
After 30 Seconds	0.0	0.0	80.0	3.0	0.0	17.0	0.0	0.0	0.2
After 1 Minute	0.0	0.0	80.0	3.0	0.0	17.0	0.0	0.0	0.3
After 2 Minutes	0.0	0.0	80.0	3.0	0.0	17.0	0.0	0.0	0.3
Steady State	0.0	0.0	80.0	3.0	0.0	17.0	0.0	0.0	0.3
<i>min</i>	0.0	0.0	79.2	0.0	0.0	17.0	0.0	0.0	0.2
<i>max</i>	0.0	0.0	80.0	3.0	0.0	20.8	0.0	0.0	0.3
Borehole Hazardous Gas Flow Rates Q_{avg} (max gas conc)				Methane:		0 L/hr	Carbon Dioxide	0.00 L/hr	
Borehole Hazardous Gas Flow Rates Q_{avg} (steady state gas conc)				Methane:		0.00 L/hr	Carbon Dioxide	0 L/hr	
Comments:		No flow detected. Steady state achieved within 5minutes - well monitored for 10minutes total.							

Well ID:	WS06	Well dia.(mm):	50	Date Installed:	26/04/2022	Response stratum:		Weathered Rhonda Member		
		Well depth (m):	0.67	Groundwater depth (m):			Dry			
Monitored Variables		dP (Pa)	LEL (%)	N ₂ (%)	CO ₂ (%)	CH ₄ (%)	O ₂ (%)	H ₂ S (ppm)	Flow (L/hr)	PID (ppm)
Immediate Reading		0.0	0.0	79.0	0.0	0.0	21.0	0.0	0.0	0.1
After 30 Seconds		0.0	0.0	79.1	1.5	0.0	19.4	0.0	0.0	0.2
After 1 Minute		0.0	0.0	79.2	1.6	0.0	19.2	0.0	0.0	0.2
After 2 Minutes		0.0	0.0	79.3	1.7	0.0	19.0	0.0	0.0	0.2
Steady State		0.0	0.0	79.3	1.7	0.0	19.0	0.0	0.0	0.2
min		0.0	0.0	79.0	0.0	0.0	19.0	0.0	0.0	0.1
max		0.0	0.0	79.3	1.7	0.0	21.0	0.0	0.0	0.2
Borehole Hazardous Gas Flow Rates Q _{Hg} (max gas conc)					Methane:	0 L/hr		Carbon Dioxide	0.00 L/hr	
Borehole Hazardous Gas Flow Rates Q _{Hg} (steady state gas conc)					Methane:	0.00 L/hr		Carbon Dioxide	0 L/hr	
Comments:		Steady state achieved within 5minutes - well monitored for 10minutes total.								

Well ID:	WS07	Well dia.(mm):	50	Date Installed:	26/04/2022	Response stratum:	Weathered Rhonda Member		
Well depth (m):		-			Groundwater depth (m):		-		
Monitored Variables	dP (Pa)	LEL (%)	N ₂ (%)	CO ₂ (%)	CH ₄ (%)	O ₂ (%)	H ₂ S (ppm)	Flow (L/hr)	PID (ppm)
Immediate Reading	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
After 30 Seconds	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
After 1 Minute	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
After 2 Minutes	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Steady State	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
min	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
max	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Borehole Hazardous Gas Flow Rates Q _{hg} (max gas conc)				Methane:	- L/hr		Carbon Dioxide	- L/hr	
Borehole Hazardous Gas Flow Rates Q _{hg} (steady state gas conc)				Methane:	- L/hr		Carbon Dioxide	- L/hr	
Comments:	Unable to record, infested with red ants								

Well ID:	WS09	Well dia.(mm):	50	Date Installed:	27/04/2022	Response stratum:	Weathered Rhonda Member		
Monitored Variables		Well depth (m):	0.57	Groundwater depth (m):		Dry			
Immediate Reading	dP (Pa)	LEL (%)	N ₂ (%)	CO ₂ (%)	CH ₄ (%)	O ₂ (%)	H ₂ S (ppm)	Flow (L/hr)	PID (ppm)
After 30 Seconds	0.0	0.0	79.0	0.0	0.0	21.0	0.0	0.0	0.2
After 1 Minute	0.0	0.0	78.9	0.3	0.0	20.8	0.0	0.0	0.2
After 2 Minutes	0.0	0.0	78.8	0.3	0.0	20.9	0.0	0.0	0.2
After 2 Minutes	0.0	0.0	78.9	0.2	0.0	20.9	0.0	0.0	0.2
Steady State	0.0	0.0	78.9	0.2	0.0	20.9	0.0	0.0	0.2
min	0.0	0.0	78.8	0.0	0.0	20.8	0.0	0.0	0.2
max	0.0	0.0	79.0	0.3	0.0	21.0	0.0	0.0	0.2
Borehole Hazardous Gas Flow Rates Q _{hg} (max gas conc)				Methane:	0 L/hr		Carbon Dioxide	0.00 L/hr	
Borehole Hazardous Gas Flow Rates Q _{hg} (steady state gas conc)				Methane:	0.00 L/hr		Carbon Dioxide	0 L/hr	
Comments:		No flow detected. Steady state achieved within 5minutes - well monitored for 10minutes total.							

Well ID:	WS10	Well dia.(mm):	50	Date Installed:	18/11/2014	Response stratum:		Weathered Rhonda Member		
		Well depth (m):	2.06				Groundwater depth (m):		Dry	
Monitored Variables		dP (Pa)	LEL (%)	N ₂ (%)	CO ₂ (%)	CH ₄ (%)	O ₂ (%)	H ₂ S (ppm)	Flow (L/hr)	PID (ppm)
Immediate Reading		0.0	0.0	79.1	0.0	0.0	20.9	0.0	0.0	0.2
After 30 Seconds		0.0	0.0	78.9	3.0	0.0	18.1	0.0	0.0	0.2
After 1 Minute		0.0	0.0	78.9	3.1	0.0	18.0	0.0	0.0	0.2
After 2 Minutes		0.0	0.0	78.9	3.1	0.0	18.0	0.0	0.0	0.2
Steady State		0.0	0.0	78.9	3.1	0.0	18.0	0.0	0.0	0.2
min		0.0	0.0	78.9	0.0	0.0	18.0	0.0	0.0	0.2
max		0.0	0.0	79.1	3.1	0.0	20.9	0.0	0.0	0.2
Borehole Hazardous Gas Flow Rates Q _{Hg} (max gas conc)					Methane:	0 L/hr		Carbon Dioxide	0.00 L/hr	
Borehole Hazardous Gas Flow Rates Q _{Hg} (steady state gas conc)					Methane:	0.00 L/hr		Carbon Dioxide	0 L/hr	
Comments:		No flow detected. Steady state achieved within 4minutes - well monitored for 10minutes total.								

Well ID:	WS1.1	Well dia.(mm):	50	Date Installed:	25/04/2022	Response stratum:		Weathered Rhondda Member, near deep peat		
		Well depth (m):	1.02			Groundwater depth (m):		Dry		
Monitored Variables		dP (Pa)	LEL (%)	N ₂ (%)	CO ₂ (%)	CH ₄ (%)	O ₂ (%)	H ₂ S (ppm)	Flow (L/hr)	PID (ppm)
Immediate Reading		0.0	0.0	79.2	0.0	0.0	20.8	0.0	0.0	0.1
After 30 Seconds		0.0	0.0	79.3	1.6	0.0	19.1	0.0	0.0	0.2
After 1 Minute		0.0	0.0	79.4	1.6	0.0	19.0	0.0	0.0	0.2
After 2 Minutes		0.0	0.0	79.3	1.7	0.0	19.0	0.0	0.0	0.2
Steady State		0.0	0.0	79.3	1.7	0.0	19.0	0.0	0.0	0.2
min		0.0	0.0	79.2	0.0	0.0	19.0	0.0	0.0	0.1
max		0.0	0.0	79.4	1.7	0.0	20.8	0.0	0.0	0.2
Borehole Hazardous Gas Flow Rates Q _{Hg} (max gas conc)					Methane:	0 L/hr		Carbon Dioxide	0.00 L/hr	
Borehole Hazardous Gas Flow Rates Q _{Hg} (steady state gas conc)					Methane:	0.00 L/hr		Carbon Dioxide	0 L/hr	
Comments:		No flow detected. Steady state achieved within 5minutes - well monitored for 10minutes total.								

Well ID:	WS12	Well dia.(mm):	50	Date installed:	18/11/2014	Response stratum:	Weathered Rhondda Member, near deep peat		
		Well depth (m):	0.74			Groundwater depth (m):	Dry		
Monitored Variables	dP (Pa)	LEL (%)	N ₂ (%)	CO ₂ (%)	CH ₄ (%)	O ₂ (%)	H ₂ S (ppm)	Flow (L/hr)	PID (ppm)
Immediate Reading	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
After 30 Seconds	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
After 1 Minute	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
After 2 Minutes	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Steady State	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
min	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
max	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a	n/a
Borehole Hazardous Gas Flow Rates Q _{hg} (max gas conc)				Methane:	- L/hr		Carbon Dioxide	- L/hr	
Borehole Hazardous Gas Flow Rates Q _{hg} (steady state gas conc)				Methane:	- L/hr		Carbon Dioxide	- L/hr	
Comments:	Unable to record, infested with red ants								

Key:

dP - differential pressure (well-atmosphere)

CH₄ - methane

LEL - Lower Explosive Limit (methane)

O₂ - oxygen

N₂ - nitrogen

H₂S - Hydrogen sulphide

CO₂ - carbon dioxide

PID - measure of volatile organic compounds

Date	Source			
	Cardiff Airport Station (timeanddate.com)		On-site (BH)	
26/07/2022	1019 - 1021	Rising	984.3 - 987.3	Rising
27/07/2022	1021 - 1018	Falling	987.1 - 983.4	Falling
28/07/2022	1017 - 1017	Steady	983.4	
29/07/2022	1018 - 1019	Rising	tbc	tbc
30/07/2022	1019 - 1018	Falling	tbc	tbc

ESP.8053

Afan Valley Resort

August 2022