

PROPOSED CLASSROOM DEVELOPMENT
Flying Start, Dowlais Primary School, Merthyr Tydfil
Results of Hazardous Gas and Groundwater Monitoring
(Spot Monitoring)
 Project Ref. 7485d



Monitoring Event 1

Date:	19/06/2020	Atmospheric Pressure (start):	1.013 mb	Trend:	steady
Time:	11:00	Atmospheric Pressure (end):	1.013 mb		
Engineer:	AB	Site Status:	open field		
Weather:	Dry, cold	Ground Conditions:	waterlogged		
Instrument:	Gas Data LMSki G3.18e meter	Next Calibration Due Date:	26/02/2021		

Well ID:	BH1	Well dia.(mm):	50	Date installed:	20/05/2020	Response stratum:		Glacial Diamicton	
		Well depth (m):	5.05			Groundwater depth (m):		4.79	
Monitored Variables		dP (Pa)	LEL (%)	N ₂ (%)	CO ₂ (%)	CH ₄ (%)	O ₂ (%)	H ₂ S (ppm)	Flow (L/hr)
Immediate Reading		0.0	0.0	79.9	0.1	0.0	20.0	0.0	0.0
After 30 Seconds		0.0	0.0	79.7	0.2	0.0	20.1	0.0	0.0
After 1 Minute		0.0	0.0	80.0	0.3	0.0	19.7	0.0	0.0
After 2 Minutes		0.0	0.0	80.0	0.3	0.0	19.7	0.0	0.0
Steady State		0.0	0.0	80.0	0.2	0.0	19.8	0.0	0.0
min		0.0	0.0	79.7	0.1	0.0	19.7	0.0	0.0
max		0.0	0.0	80.0	0.3	0.0	20.1	0.0	0.0
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:									

Well ID:	BH3	Well dia.(mm):	50	Date installed:	21/05/2020	Response stratum:	Made Ground and Glacial Diamicton	
		Well depth (m):	5.01			Groundwater depth (m):	0.01	
Monitored Variables	dP (Pa)	LEL (%)	N ₂ (%)	CO ₂ (%)	CH ₄ (%)	O ₂ (%)	H ₂ S (ppm)	Flow (L/hr)
Immediate Reading								
After 30 Seconds								
After 1 Minute								
After 2 Minutes								
Steady State								
min								
max								
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 flooded and unable to be monitored.						

Well ID:	BH2	Well dia.(mm):	50	Date installed:	22/05/2020	Response stratum:	Made Ground and Glacial Diamicton	
		Well depth (m):	4.97			Groundwater depth (m):	0.02	
Monitored Variables	dP (Pa)	LEL (%)	N ₂ (%)	CO ₂ (%)	CH ₄ (%)	O ₂ (%)	H ₂ S (ppm)	Flow (L/hr)
Immediate Reading								
After 30 Seconds								
After 1 Minute								
After 2 Minutes								
Steady State								
min								
max								
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 flooded and unable to be monitored.						

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

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Monitoring Event 2

Date:	15/07/2020	Atmospheric Pressure (start):	978 mb	Trend:	Falling
Time:	11:30	Atmospheric Pressure (end):	977 mb		
Engineer:	AB	Site Status:	open field		
Weather:	Rain	Ground Conditions:	waterlogged		
Instrument:	Gas Data LMSki G3.18e meter	Next Calibration Due Date:	26/02/2021		

Well ID:	BH1	Well dia.(mm):	50	Date installed:	20/05/2020	Response stratum:		Glacial Diamicton		
		Well depth (m):	5.05			Groundwater depth (m):		4.93		
Monitored Variables		dP (Pa)	LEL (%)	N ₂ (%)	CO ₂ (%)	CH ₄ (%)	O ₂ (%)	H ₂ S (ppm)	Flow (L/hr)	
Immediate Reading		0.0	0.0	79.9	0.1	0.0	20.0	0.0	0.0	
After 30 Seconds		0.0	0.0	79.4	0.4	0.0	20.2	0.0	0.0	
After 1 Minute		0.0	0.0	79.4	0.3	0.0	20.3	0.0	0.0	
After 2 Minutes		0.0	0.0	79.5	0.2	0.0	20.3	0.0	0.0	
Steady State		0.0	0.0	79.5	0.2	0.0	20.3	0.0	0.0	
min		0.0	0.0	79.4	0.1	0.0	20.0	0.0	0.0	
max		0.0	0.0	79.9	0.4	0.0	20.3	0.0	0.0	
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:										

Well ID:	BH3	Well dia.(mm):	50	Date installed:	21/05/2020	Response stratum:		Made Ground and Glacial Diamicton		
		Well depth (m):	5.01			Groundwater depth (m):		0.97		
Monitored Variables		dP (Pa)	LEL (%)	N ₂ (%)	CO ₂ (%)	CH ₄ (%)	O ₂ (%)	H ₂ S (ppm)	Flow (L/hr)	
Immediate Reading		0.0	0.0	79.7	0.0	0.0	20.3	0.0	0.0	
After 30 Seconds		0.0	0.0	84.1	4.7	0.0	11.2	0.0	0.0	
After 1 Minute		0.0	0.0	85.3	5.2	0.0	9.5	0.0	0.0	
After 2 Minutes		0.0	0.0	85.6	5.5	0.0	8.9	0.0	0.0	
Steady State		0.0	0.0	85.6	5.5	0.0	8.9	0.0	0.0	
min		0.0	0.0	79.7	0.0	0.0	8.9	0.0	0.0	
max		0.0	0.0	85.6	5.5	0.0	20.3	0.0	0.0	
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:										

Well ID:	BH2	Well dia.(mm):	50	Date installed:	22/05/2020	Response stratum:		Made Ground and Glacial Diamicton	
		Well depth (m):	4.97			Groundwater depth (m):		0.99	
Monitored Variables		dP (Pa)	LEL (%)	N ₂ (%)	CO ₂ (%)	CH ₄ (%)	O ₂ (%)	H ₂ S (ppm)	Flow (L/hr)
Immediate Reading		0.0	0.0	79.9	0.2	0.0	19.9	0.0	0.0
After 30 Seconds		0.0	0.0	80.4	1.1	0.0	18.5	0.0	0.0
After 1 Minute		0.0	0.0	81.2	1.4	0.0	17.4	0.0	0.0
After 2 Minutes		0.0	0.0	81.1	1.4	0.0	17.5	0.0	0.0
Steady State		0.0	0.0	80.8	1.2	0.0	18.0	0.0	0.0
min		0.0	0.0	79.9	0.2	0.0	17.4	0.0	0.0
max		0.0	0.0	81.2	1.4	0.0	19.9	0.0	0.0
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:									

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

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Monitoring Event 3

Date:	27/07/2020	Atmospheric Pressure (start):	966 mb	Trend:	Steady
Time:	3:00pm	Atmospheric Pressure (end):	966 mb		
Engineer:	AB	Site Status:	open field		
Weather:	Heavy Rain	Ground Conditions:	waterlogged		
Instrument:	Gas Data LMSki G3.18e meter	Next Calibration Due Date:	26/02/2021		

Well ID:	BH1	Well dia.(mm):	50		Date Installed:	20/05/2020		Response stratum:		Made Ground and Glacial Diamicton	
		Well depth (m):	5.05				Groundwater depth (m):		4.82		
Monitored Variables		dP (Pa)	LEL (%)	N ₂ (%)	CO ₂ (%)	CH ₄ (%)	O ₂ (%)	H ₂ S (ppm)	Flow (L/hr)		
Immediate Reading		0.0	0.0	80.2	0.1	0.0	19.7	0.0	0.0		
After 30 Seconds		0.0	0.0	79.8	0.4	0.0	19.8	0.0	0.0		
After 1 Minute		0.0	0.0	79.7	0.3	0.0	20.0	0.0	0.0		
After 2 Minutes		0.0	0.0	79.7	0.3	0.0	20.0	0.0	0.0		
Steady State		0.0	0.0	79.7	0.3	0.0	20.0	0.0	0.0		
min		0.0	0.0	79.7	0.1	0.0	19.7	0.0	0.0		
max		0.0	0.0	80.2	0.4	0.0	20.0	0.0	0.0		
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:											

Well ID:	BH3	Well dia.(mm):	50	Date installed:	21/05/2020	Response stratum:		Made Ground and Glacial Diamicton		
		Well depth (m):	5.01			Groundwater depth (m):		0.02		
Monitored Variables		dP (Pa)	LEL (%)	N ₂ (%)	CO ₂ (%)	CH ₄ (%)	O ₂ (%)	H ₂ S (ppm)	Flow (L/hr)	
Immediate Reading										
After 30 Seconds										
After 1 Minute										
After 2 Minutes										
Steady State										
min										
max										
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 flooded and unable to be monitored.										

Well ID:	BH2	Well dia.(mm):	50	Date installed:	22/05/2020	Response stratum:		Made Ground and Glacial Diamicton		
		Well depth (m):	4.95			Groundwater depth (m):		0.04		
Monitored Variables		dP (Pa)	LEL (%)	N ₂ (%)	CO ₂ (%)	CH ₄ (%)	O ₂ (%)	H ₂ S (ppm)	Flow (L/hr)	
Immediate Reading										
After 30 Seconds										
After 1 Minute										
After 2 Minutes										
Steady State										
min										
max										
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 flooded and unable to be monitored.								

Key:
 dP - differential pressure (well-atmosphere)
 LEL - Lower Explosive Limit (methane)
 N₂ - nitrogen
 CO₂ - carbon dioxide
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Monitoring Event 4

Date:	03/08/2020	Atmospheric Pressure (start):	981 mb	Trend:	steady
Time:	16:00	Atmospheric Pressure (end):	981 mb		
Engineer:	AB	Site Status:	open field		
Weather:	Fine	Ground Conditions:	Dry		
Instrument:	Gas Data LMSki G3.18e meter	Next Calibration Due Date:	26/02/2021		

Well ID:	BH1	Well dia.(mm):	50	Date installed:	20/05/2020	Response stratum:		Made Ground and Glacial Diamicton		
		Well depth (m):	5.05			Groundwater depth (m):		4.93		
Monitored Variables		dP (Pa)	LEL (%)	N ₂ (%)	CO ₂ (%)	CH ₄ (%)	O ₂ (%)	H ₂ S (ppm)	Flow (L/hr)	
Immediate Reading		0.0	0.0	79.5	0.1	0.0	20.4	0.0	0.0	
After 30 Seconds		0.0	0.0	79.4	0.2	0.0	20.4	0.0	0.0	
After 1 Minute		0.0	0.0	79.4	0.2	0.0	20.4	0.0	0.0	
After 2 Minutes		0.0	0.0	79.5	0.1	0.0	20.4	0.0	0.0	
Steady State		0.0	0.0	79.5	0.1	0.0	20.4	0.0	0.0	
min		0.0	0.0	79.4	0.1	0.0	20.4	0.0	0.0	
max		0.0	0.0	79.5	0.2	0.0	20.4	0.0	0.0	
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:										

Well ID:	BH3	Well dia.(mm):	50	Date installed:	21/05/2020	Response stratum:		Made Ground and Glacial Diamicton	
		Well depth (m):	5.01			Groundwater depth (m):		0.95	
Monitored Variables		dP (Pa)	LEL (%)	N ₂ (%)	CO ₂ (%)	CH ₄ (%)	O ₂ (%)	H ₂ S (ppm)	Flow (L/hr)
Immediate Reading		0.0	0.0	80.0	0.1	0.0	19.9	0.0	0.0
After 30 Seconds		0.0	0.0	80.1	1.4	0.0	18.5	0.0	0.0
After 1 Minute		0.0	0.0	82.5	4.1	0.0	13.4	0.0	0.0
After 2 Minutes		0.0	0.0	82.0	3.8	0.0	14.2	0.0	0.0
Steady State		0.0	0.0	82.0	3.8	0.0	14.2	0.0	0.0
min		0.0	0.0	80.0	0.1	0.0	13.4	0.0	0.0
max		0.0	0.0	82.5	4.1	0.0	19.9	0.0	0.0
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:									

Well ID:	BH2	Well dia.(mm):	50		Date installed:	22/05/2020		Response stratum:		Made Ground and Glacial Diamicton	
		Well depth (m):	4.95				Groundwater depth (m):		1.06		
Monitored Variables		dP (Pa)	LEL (%)	N ₂ (%)	CO ₂ (%)	CH ₄ (%)	O ₂ (%)	H ₂ S (ppm)	Flow (L/hr)		
Immediate Reading		0.0	0.0	79.5	0.0	0.0	20.5	0.0	0.0		
After 30 Seconds		0.0	0.0	79.6	0.5	0.0	19.9	0.0	0.0		
After 1 Minute		0.0	0.0	80.1	0.5	0.0	19.4	0.0	0.0		
After 2 Minutes		0.0	0.0	81.0	0.6	0.0	18.4	0.0	0.0		
Steady State		0.0	0.0	80.4	0.9	0.0	18.7	0.0	0.0		
min		0.0	0.0	79.5	0.0	0.0	18.4	0.0	0.0		
max		0.0	0.0	81.0	0.9	0.0	20.5	0.0	0.0		
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:											

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

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Monitoring Event 5

Date:	17/08/2020	Atmospheric Pressure (start):	1.001 mb	Trend:	Rising
Time:	12:15	Atmospheric Pressure (end):	1.002 mb		
Engineer:	AB	Site Status:	open field		
Weather:	Raining	Ground Conditions:	waterlogged		
Instrument:	Gas Data LMSxi G3.18e meter	Next Calibration Due Date:	26/02/2021		

Well ID:	BH1	Well dia.(mm):	50	Date installed:	20/05/2020	Response stratum:		Glacial Diamicton	
		Well depth (m):	5.05				Groundwater depth (m):		4.84
Monitored Variables		dP (Pa)	LEL (%)	N ₂ (%)	CO ₂ (%)	CH ₄ (%)	O ₂ (%)	H ₂ S (ppm)	Flow (L/hr)
Immediate Reading		0.0	0.0	79.9	0.0	0.0	20.1	0.0	0.0
After 30 Seconds		0.0	0.0	79.8	0.3	0.0	19.9	0.0	0.0
After 1 Minute		0.0	0.0	79.6	0.5	0.0	19.9	0.0	0.0
After 2 Minutes		0.0	0.0	79.6	0.4	0.0	20.0	0.0	0.0
Steady State		0.0	0.0	79.6	0.4	0.0	20.0	0.0	0.0
min		0.0	0.0	79.6	0.0	0.0	19.9	0.0	0.0
max		0.0	0.0	79.9	0.5	0.0	20.1	0.0	0.0
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:									

Well ID:	BH3	Well dia.(mm):	50	Date installed:	21/05/2020		Response stratum:		Made Ground and Glacial Diamicton	
		Well depth (m):	5.01			Groundwater depth (m):		0.55		
Monitored Variables		dP (Pa)	LEL (%)	N ₂ (%)	CO ₂ (%)	CH ₄ (%)	O ₂ (%)	H ₂ S (ppm)	Flow (L/hr)	
Immediate Reading		0.0	0.0	79.8	0.0	0.0	20.2	0.0	0.0	
After 30 Seconds		0.0	0.0	80.3	2.1	0.0	17.6	0.0	0.0	
After 1 Minute		0.0	0.0	81.2	4.0	0.0	14.8	0.0	0.0	
After 2 Minutes		0.0	0.0	81.4	3.9	0.0	14.7	0.0	0.0	
Steady State		0.0	0.0	81.1	3.6	0.0	15.3	0.0	0.0	
min		0.0	0.0	79.8	0.0	0.0	14.7	0.0	0.0	
max		0.0	0.0	81.4	4.0	0.0	20.2	0.0	0.0	
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:										

Well ID:	BH2	Well dia.(mm):	50	Date installed:	22/05/2020	Response stratum:		Made Ground and Glacial Diamicton	
		Well depth (m):	4.95				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)
Immediate Reading		0.0	0.0	80.0	0.0	0.0	20.0	0.0	0.0
After 30 Seconds		0.0	0.0	80.1	0.3	0.0	19.6	0.0	0.0
After 1 Minute		0.0	0.0	80.2	0.7	0.0	19.1	0.0	0.0
After 2 Minutes		0.0	0.0	80.7	0.7	0.0	18.6	0.0	0.0
Steady State		0.0	0.0	80.8	0.6	0.0	18.6	0.0	0.0
min		0.0	0.0	80.0	0.0	0.0	18.6	0.0	0.0
max		0.0	0.0	80.8	0.7	0.0	20.0	0.0	0.0
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:									

Key:
 dP - differential pressure (well-atmosphere)
 LEL - Lower Explosive Limit (methane)
 N₂ - nitrogen
 CO₂ - carbon dioxide
 CH₄ - methane
 O₂ - oxygen
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Monitoring Event 6

Date:	26/08/2020	Atmospheric Pressure (start):	978 mb	Trend:	falling
Time:	10:00	Atmospheric Pressure (end):	977 mb		
Engineer:	AB	Site Status:	open field		
Weather:	Overcast	Ground Conditions:	waterlogged		
Instrument:	Gas Data LMSki G3.18e meter	Next Calibration Due Date:	26/02/2021		

Well ID:	BH1	Well dia.(mm):	50	Date installed:	20/05/2020	Response stratum:		Glacial Diamicton	
		Well depth (m):	5.05			Groundwater depth (m):		1.61	
Monitored Variables		dP (Pa)	LEL (%)	N ₂ (%)	CO ₂ (%)	CH ₄ (%)	O ₂ (%)	H ₂ S (ppm)	Flow (L/hr)
Immediate Reading		0.0	0.0	80.1	0.0	0.0	19.9	0.0	0.0
After 30 Seconds		0.0	0.0	82.3	1.5	0.0	16.2	0.0	0.0
After 1 Minute		0.0	0.0	81.9	1.1	0.0	17.0	0.0	0.0
After 2 Minutes		0.0	0.0	81.3	0.9	0.0	17.8	0.0	0.0
Steady State		0.0	0.0	80.9	0.6	0.0	18.5	0.0	0.0
min		0.0	0.0	80.1	0.0	0.0	16.2	0.0	0.0
max		0.0	0.0	82.3	1.5	0.0	19.9	0.0	0.0
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:									

Well ID:	BH3	Well dia.(mm):	50	Date installed:	21/05/2020	Response stratum:		Made Ground and Glacial Diamicton	
		Well depth (m):	5.01				Groundwater depth (m):		0.01
Monitored Variables		dP (Pa)	LEL (%)	N ₂ (%)	CO ₂ (%)	CH ₄ (%)	O ₂ (%)	H ₂ S (ppm)	Flow (L/hr)
Immediate Reading									
After 30 Seconds									
After 1 Minute									
After 2 Minutes									
Steady State									
min									
max									
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 flooded and unable to be monitored.							

Well ID:	BH2	Well dia.(mm):	50	Date installed:	22/05/2020	Response stratum:		Made Ground and Glacial Diamicton	
		Well depth (m):	4.95			Groundwater depth (m):		0.33	
Monitored Variables	dP (Pa)	LEL (%)	N ₂ (%)	CO ₂ (%)	CH ₄ (%)	O ₂ (%)	H ₂ S (ppm)	Flow (L/hr)	
Immediate Reading	0.0	0.0	80.6	0.0	0.0	19.4	0.0	0.0	
After 30 Seconds	0.0	0.0	93.7	1.3	0.0	5.0	0.0	0.0	
After 1 Minute	0.0	0.0	94.3	1.3	0.0	4.4	0.0	0.0	
After 2 Minutes	0.0	0.0	94.8	1.4	0.0	3.8	0.0	0.0	
Steady State	0.0	0.0	94.7	1.4	0.0	3.9	0.0	0.0	
min	0.0	0.0	80.6	0.0	0.0	3.8	0.0	0.0	
max	0.0	0.0	94.8	1.4	0.0	19.4	0.0	0.0	
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:									

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