GAS MONITORING DATA

john newton & partners jnpgroup Consulting Engineers

Site:	Burn Road, Huddersfield	**Operator:**	SKL
Project:	B22335	**Date:**	08/01/2020
		Weather:	overcast, dry

Monitoring Location	Standpipe diameter (mm)	Standpipe Depth (m bgl)	Water Level (m bgl)	Atmos. Pressure (mb)	Initial Flow Rate (litres/hr)	Average Flow Rate (litres/hr)	Temp (^{o}C)	Reading Duration (s)	CH_4 (% v/v)	CO_2 (% v/v)	O_2 (% v/v)	Bal (% v/v)	H_2S (% v/v)	CO (% v/v)	Notes
WS01	50	1.58	wet silt at base	1016	~10.5	4.0	8	0	-0.1	0.7	20.2	78.7	0.0	0.0	
								30	0.0	0.8	20.4	78.9			
								60	0.0	0.8	20.3	78.9			
								90	0.0	0.8	20.2	78.9			
								120	-0.1	0.8	20.2	79.1			
								150	-0.1	0.8	20.2	79.0			
WS05	50	1.90	dry	1016	~10	2.2	8	0	0.0	0.7	20.2	78.7	0.0	0.0	
								30	0.0	0.8	20.4	78.9			
								60	0.0	0.8	20.3	78.9			
								90	0.0	0.8	20.2	78.9			
								120	0.0	0.8	20.2	79.1			
								150	0.0	0.8	20.2	79.0			
WS06	50	2.07	1.67	1016		increased to 10.33	8	0	0.0	0.0	20.8	78.6	0.0	0.0	
								30	0.0	0.5	20.7	78.9			
								60	0.0	0.6	20.4	79.1			
								90	0.0	0.7	20.3	79.0			
								120	0.0	0.7	20.3	79.0			
								150	0.0	0.7	20.2	79.0			

GAS MONITORING DATA

john newton & partners jnpgroup Consulting Engineers

Site:	Burn Road, Huddersfield	**Operator:**	SKL
Project:	B22335	**Date:**	15/01/2020
		Weather:	blue skies, dry (previous wet days)

Monitoring Location	Standpipe diameter (mm)	Standpipe Depth (m bgl)	Water Level (m bgl)	Atmos. Pressure (mb)	Initial Flow Rate (litres/hr)	Average Flow Rate (litres/hr)	Temp (^{o}C)	Reading Duration (s)	CH_4 (% v/v)	CO_2 (% v/v)	O_2 (% v/v)	Bal (% v/v)	H_2S (% v/v)	CO (% v/v)	Notes
WS01	50	1.58	dry	1000		increased to 8.53	8	0	0.0	0.0	2.2	98.9	0.0	0.0	
								30	0.0	0.0	20.8	79.3			
								60	0.0	0.0	20.7	79.3			
								90	0.0	0.0	20.7	79.3			
								120	0.0	0.0	20.7	79.3			
								150	0.0	0.0	20.7	79.3			
WS05	50	1.90	dry	1000		increased to 8.86	8	0	0.0	0.0	20.0	80.0	0.0	0.0	
								30	0.0	0.8	20.0	79.3			
								60	0.0	0.9	19.8	79.3			
								90	0.0	0.9	19.8	79.3			
								120	0.0	0.9	19.8	79.3			
								150	0.0	0.9	19.8	79.3			
WS06	50	2.07	0.64	1000		increased to 11.04	8	0	0.0	0.0	20.4	78.3	0.0	0.0	
								60	0.0	0.8	20.3	79.1			
								120	0.0	0.5	20.8	79.1			
								180	0.0	0.4	20.5	79.2			
								210	0.0	0.3	20.6	79.2			
									0.0	0.3	20.6	79.2			

GAS MONITORING DATA

john newton & partners jnpgroup Consulting Engineers

Site:	Burn Road, Huddersfield	**Operator:**	SKL
Project:	B22335	**Date:**	23/01/2020
		Weather:	Sunny

Monitoring Location	Standpipe diameter (mm)	Standpipe Depth (m bgl)	Water Level (m bgl)	Atmos. Pressure (mb)	Initial Flow Rate (litres/hr)	Average Flow Rate (litres/hr)	Temp (^{o}C)	Reading Duration (s)	CH_4 (% v/v)	CO_2 (% v/v)	O_2 (% v/v)	Bal (% v/v)	H_2S (% v/v)	CO (% v/v)	Notes
WS01	50	1.58	dry	1029		-0.1	7	0	0.0	0.9	19.6	79.5	0.0	0.0	
								30	0.0	0.1	20.8	79.1			
								60	0.0	0.1	20.7	79.2			
								90	0.0	0.1	20.7	79.2			
								120	0.0	0.1	20.7	79.2			
								150	0.0	0.1	20.7	79.2			
WS05	50	1.90	dry	1029		3.3	7	0	0.0	0.0	20.9	78.9	0.0	0.0	
								30	0.0	0.9	19.6	79.5			
								60	0.0	0.9	19.5	79.6			
								90	0.0	0.9	19.4	79.7			
								120	0.0	0.9	19.4	79.7			
								150	0.0	0.9	19.4	79.7			
WS06	50	2.07	0.95	1029		1.7	7	0	0.0	0.1	20.3	78.9	0.0	0.0	
								30	0.0	0.1	20.9	79.1			
								60	0.0	0.0	20.8	79.2			
								90	0.0	0.0	20.8	79.2			
								120	0.0	0.0	20.8	79.2			
								150	0.0	0.0	20.8	79.2			

GAS MONITORING DATA

john newton & partners jnpgroup Consulting Engineers

Site:	Burn Road, Huddersfield	**Operator:**	CDW
Project:	B22335	**Date:**	30.01.20
		Weather:	Sunny

Monitoring Location	Standpipe diameter (mm)	Standpipe Depth (m bgl)	Water Level (m bgl)	Atmos. Pressure (mb)	Initial Flow Rate (litres/hr)	Average Flow Rate (litres/hr)	Temp (^{o}C)	Reading Duration (s)	CH_4 (% v/v)	CO_2 (% v/v)	O_2 (% v/v)	Bal (% v/v)	H_2S (% v/v)	CO (% v/v)	Notes
WS01	50	1.58	dry	1005		3.5	9	0	0.0	0.1	20.1	78.7	0.0	0.0	
								30	0.0	0.1	20.1	78.9			
								60	0.0	0.1	20.1	78.8			
								90	0.0	0.1	20.1	78.9			
								120	0.0	0.1	20.1	79.1			
								150	0.0	0.1	20.1	79.0			
WS05	50	1.90	dry	1005		4.2	9	0	0.0	0.7	19.7	78.7	0.0	0.0	
								30	0.0	0.8	19.8	79.0			
								60	0.0	0.8	19.8	79.0			
								90	0.0	0.8	19.8	79.0			
								120	0.0	0.8	19.8	79.1			
								150	0.0	0.8	19.8	79.1			
WS06	50	2.07	1.01	1005		2.2	9	0	0.0	0.5	20.0	78.5	0.0	0.0	
								30	0.0	0.5	20.0	78.8			
								60	0.0	0.5	20.0	79.0			
								90	0.0	0.5	20.0	79.0			
								120	0.0	0.5	20.0	79.0			
								150	0.0	0.5	20.0	79.1			

GAS MONITORING DATA

john newton & partners jnpgroup Consulting Engineers

Site:	Burn Road, Huddersfield	**Operator:**	SKL
Project:	B22335	**Date:**	05/02/2020
		Weather:	sunny

Monitoring Location	Standpipe diameter (mm)	Standpipe Depth (m bgl)	Water Level (m bgl)	Atmos. Pressure (mb)	Initial Flow Rate (litres/hr)	Average Flow Rate (litres/hr)	Temp (^{o}C)	Reading Duration (s)	CH_4 (% v/v)	CO_2 (% v/v)	O_2 (% v/v)	Bal (% v/v)	H_2S (% v/v)	CO (% v/v)	Notes
WS01	50	1.58	dry	1034	10.0	1.8	6	0	0.0	0.4	20.2	79.2	0.0	0.0	
								30	0.0	0.1	20.7	79.2			
								60	0.0	0.1	20.6	79.2			
								90	0.0	0.1	20.6	79.3			
								120	0.0	0.1	20.6	79.3			
								150	0.0	0.1	20.6	79.3			
WS05	50	1.90	dry	1034	10.0	4.1	6	0	0.0	0.0	19.9	80.0	0.0	0.0	
								30	0.0	0.8	19.9	79.3			
								60	0.0	0.8	19.8	79.4			
								90	0.0	0.8	19.8	79.4			
								120	0.0	0.8	19.8	79.4			
								150	0.0	0.8	19.9	9.4			
WS06	50	2.07	0.86	1034	10.0	4.0	6	0	0.0	0.1	20.5	78.4	0.0	0.0	
								30	0.0	1.4	20.0	78.6			
								60	0.0	0.9	20.1	78.9			
								90	0.0	0.7	20.3	79.0			
								120	0.0	0.6	20.4	79.0			
								150	0.0	0.5	20.0	79.0			
								180	0.0	0.5	20.5	79.1			

GAS MONITORING DATA

john newton & partners jnpgroup Consulting Engineers

Site:	Burn Road, Huddersfield	**Operator:**	SKL
Project:	B22335	**Date:**	05/02/2020
		Weather:	sunny (previos v. wet day

Monitoring Location	Standpipe diameter (mm)	Standpipe Depth (m bgl)	Water Level (m bgl)	Atmos. Pressure (mb)	Initial Flow Rate (litres/hr)	Average Flow Rate (litres/hr)	Temp (^{o}C)	Reading Duration (s)	CH_4 (% v/v)	CO_2 (% v/v)	O_2 (% v/v)	Bal (% v/v)	H_2S (% v/v)	CO (% v/v)	Notes
WS01	50	1.58	1.53	991	10.0	1.5	5	0	0.0	0.9	19.8	79.5	0.0	0.0	
								30	0.0	0.1	20.6	79.3			
								60	0.0	0.1	20.5	79.4			
								90	0.0	0.1	20.5	79.4			
								120	0.0	0.1	20.5	79.4			
								150	0.0	0.1	20.5	79.4			
WS05	50	1.90	1.16	991	10.0	3.3	5	0	0.0	0.0	20.3	79.5	0.0	0.0	
								30	-0.1	0.9	19.8	79.4			
								60	0.0	0.9	19.8	79.3			
								90	-0.1	0.9	19.7	79.3			
								120	-0.1	0.9	19.0	79.5			
								150	-0.1	0.9	19.7	79.5			
WS06	50	2.07	0.05	991	10.0	3.3	5	0	0.0	0.0	19.9	80.0	0.0	0.0	
								30	0.0	0.7	20.4	79.1			
								60	0.0	0.0	20.7	79.3			
								90	0.0	0.0	20.7	79.3			
								120	0.0	0.0	20.7	79.3			
								150	0.0	0.0	20..7	79.3			