

Mr G. Brough,
Company Shop Ltd
Wentworth Way Industrial Estate
Wentworth Way
Tankersley
S75 3DH

AP/AJK/41492/004

By E-mail Only

6 October 2017

Dear Gary,

Land at New Road, Tankersley
Gas Monitoring Interim Results

We write to provide an update on the gas monitoring, that is ongoing since completion of our site investigation in August.

So far, four rounds out of a proposed six have been completed. The results are displayed in the table attached.

Within the two wells installed, a maximum concentration of carbon dioxide of 8.6% has been recorded. No methane has been recorded. A maximum gas flow of 1 l/hr has been recorded.

Although the flow rates would classify the site as 'green' under the applicable NHBC guidance, the maximum carbon dioxide concentration exceeds the upper threshold for this classification. Therefore, the site currently should be classified as 'Amber 1', and thus requires a fully lapped and sealed gas resistant membrane in all plots and precast concrete floors with a ventilated void below. This is in line with the initial recommendations made within our site investigation report.

Please note that this conclusion is subject to completion of the final two rounds, which we aim to undertake in the forthcoming weeks.

Yours sincerely,



A Kerslake

Associate

Also at:- Centaur House, Ancells Business Park, Ancells Road, Fleet, Hampshire, GU51 3PD Tel: 01252 360580 Fax: 01252 360581

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Round 1 – 28.07.17 (DN)

Location	CH ₄ %	CO ₂ %	O ₂ %	H ₂ S (ppm)	CO (ppm)	Atmos P. (mb)	Flow (l/hr)	Water Level (mbgl)	Base of Pipe (mbgl)
BH2	0.0	0.6	20.7	0	0	987	-0.1 to 0.1	Dry	3.10
BH3	0.0	3.6	11.7	0	0	985	0.0	1.90	3.40


- Time increment of 3 minutes used for monitoring

Round 2 – 11.08.17 (AJK)

Location	CH ₄ %	CO ₂ %	O ₂ %	H ₂ S (ppm)	CO (ppm)	Atmos P. (mb)	Flow (l/hr)	Water Level (mbgl)	Base of Pipe (mbgl)
BH2	0.0	1.9	19.1	0	1	997	-0.1	Dry	3.10
BH3	0.0	3.0	13.1	0	1	996	0.0	1.86	3.40

Round 3 – 08.09.17 (SAE)

Location	CH ₄ %	CO ₂ %	O ₂ %	H ₂ S (ppm)	CO (ppm)	Atmos P. (mb)	Flow (l/hr)	Water Level (mbgl)	Base of Pipe (mbgl)
BH2	0.0	0.7	19.9	-	-	981	0	Dry	3.10
BH3	0.0	8.6	8.1	-	-	981	0	1.90	3.40

 <p>St Andrew's House 23 Kingfield Road Sheffield S11 9AS Tel: (0114) 2554554 Fax: (0114) 2554330</p>	<p>COMPANY SHOP LIMITED</p> <p>NEW ROAD, TANKERSLEY</p> <p>GROUND GAS MONITORING RESULTS</p>	JOB NO.	41492
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Round 4 – 04.10.17 (DN)


Location	CH ₄ %	CO ₂ %	O ₂ %	H ₂ S (ppm)	CO (ppm)	Atmos P. (mb)	Flow (l/hr)	Water Level (mbgl)	Base of Pipe (mbgl)
BH2	0.0	0.8	20.0	-	-	1002	0.0	Dry	3.10
BH3	0.0	3.0	12.3	-	-	1001	-0.1 to -1.0	1.60	3.40

Round 5 – xx.xx.xx

Location	CH ₄ %	CO ₂ %	O ₂ %	H ₂ S (ppm)	CO (ppm)	Atmos P. (mb)	Flow (l/hr)	Water Level (mbgl)	Base of Pipe (mbgl)
BH2									3.10
BH3									3.40

Round 6 – xx.xx.xx

Location	CH ₄ %	CO ₂ %	O ₂ %	H ₂ S (ppm)	CO (ppm)	Atmos P. (mb)	Flow (l/hr)	Water Level (mbgl)	Base of Pipe (mbgl)
BH2									3.10
BH3									3.40

 <p>Eastwood & Partners CONSULTING ENGINEERS</p> <p>St Andrew's House 23 Kingfield Road Sheffield S11 9AS Tel: (0114) 2554554 Fax: (0114) 2554330</p>	<p>COMPANY SHOP LIMITED</p> <p>NEW ROAD, TANKERSLEY</p> <p>GROUND GAS MONITORING RESULTS</p>	JOB NO.	41492
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