

REF: 2165/BGP/MineGas/mjs

Angela Guy

WCBC

c/o

Matthew.Phillips@wrexham.gov.uk

18th December 2020

Dear Angela,

RE: 57 BRYN GLAS RHOSLLANERCHRUGOG: P/2020/0700

We have been asked to reply to your memo of the 26th November 2020, regarding the risk of mine gas to the above development.

To assist with this, we have attached a link to our mining risk assessment, in case you haven't already seen it.

The desk study had identified a possible shaft on site. However, a detailed search involving excavation to natural ground failed to reveal any evidence of the shaft. This was not surprising, as the shaft pre dated 1850, and the source information was poor.

The borehole to investigate the possibility of shallow mine workings was drilled to a depth of 25m without encountering bedrock. Due to the age of the workings, pre dating 1850 and the thickness of superficial it was concluded that the site had not been undermined at shallow depth.

In any case, the borehole did not encounter any mine gas during drilling and recorded a considerable thickness low permeable clay, which would act as a significant barrier to any source of mine gas. In addition, the clay was overlain by more permeable sand and gravel, which was saturated with water from a depth of 2m, providing a significant hydraulic head to resist any upward migration of mine gas.

Finally, the site has a steep slope adjacent to it leading down to the river. This would provide a means of any gas venting to atmosphere.

We would therefore conclude that the risk to the development from mine gas is negligible.

Should you have any further queries please call Mike Scott on 01244 661361.

Yours Sincerely

M J Scott

