

 **NKC Geotech Ltd**

engineering geologists specialising in the investigation and treatment of disused mineworkings

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30 March 2024

Unit 6, Coppi Industrial Estate, Rhos

Mining investigation

Thank you for your invitation to quote for the investigation work required here and a copy of the Coal Authority response to the planning application.

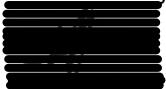
The Coal Authority would normally require an intrusive mining investigation to verify the condition of any shallow mineworkings here.

I investigated the immediately adjacent steel framed unit to the south in 2021 and encountered solid coal in a coal seam known locally as the Nant Coal at depths varying from 6.1m to 7.6m. The deeper Yard Coal was also proved to lie at a depth of 14.0m.

In my opinion, based on a history of investigating all the existing units on the Coppi Estate since 1976, I expect there will be no open voids even if the Nant Coal has been mined under the proposed unit. Shaft 328346-041, Coppi No.3 Upcast Pit, was located and capped by Nkc in 1976 and proved lie 20m west of the western site boundary, and is located beyond the Nant Coal outcrop.

If the Coal Authority do require an intrusive investigation to verify the absence of voids here then the cost could be minimised by being supplementary to my previous work on Unit 6 to the south 3 years ago rather than a separate investigation. In this instance I would propose drilling 3 additional holes to the Yard Coal at a depth of 15m on the northern footprint of the proposed building .

Yours faithfully,



Neil Catlow B.Sc FGS

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