

Coal Mining Risk Assessment – Proposed Stabling				
Sources of information: Coal Authority Mining Report Ref: John Kelly En-Plan Published British Geological Survey geological mapping – 100020315 Coal Authority Datasets available under the Open Government Licence v3.				
Issue	Hazard	Site Affected (Yes/No) (Detail – where appropriate)	Consequences (where appropriate)	Recommended Mitigation Measures (where appropriate)
1. Are there any recorded coal mine entries within the site or within 20m of the site boundary?	- Catastrophic collapse of mine entry leading to ground instability or voids at the ground surface. - Settlement of the ground surface above/adjacent to the mine entry. - Generation of crown holes at the ground surface. - Mines gas emissions	Yes - Shaft 327353-072 327541 353230	None as the shaft has been shown on the Coal Authority mapping system to have a diameter of nul. Please refer to Coal Mining 1 image	All development is sited away from any recorded coal working on site. The stables are in essence field shelters as they have no invasive foundations and are movable.

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Coal Authority Mining Report 51003356712001

En-Plan

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2. Is the proposed development in the likely zone of influence of past deep underground mining?	- Ground subsidence. - Ground instability.	No.	N/A	N/A
3. Is the proposed development in the likely zone of influence of any present underground mine workings?	- Ground subsidence. - Ground instability, loss of ground, generation of crown holes.	No.	N/A	N/A
4. Is the proposed development within the likely zone of influence of recorded underground workings at shallow depth (depths of less than 30m)?	- Ground subsidence. - Ground instability, loss of ground, generation of crown holes.	Yes: The CA report the presence of abandoned shallow mine workings at the site boundary.	Ground subsidence associated with past shallow underground mining can result in severe localised ground instability and damage to the environment, harm to human health, injury or death of site users, site employees,	There is little risk to the area where the proposed stables will be sited, which is away from the site boundary and they will be sited on the ground with no invasive foundations.

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5. Is there a possibility of unrecorded shallow mine workings and/or mine entries?	- Ground subsidence. - Ground instability, loss of ground, generation of crown holes. - Catastrophic collapse of mine entry leading to ground instability or voids at the ground surface. - Settlement of the ground surface above/adjacent to the mine entry. - Mine gas emissions	No	N/A	N/A

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6. Is there a record of mine gas emissions within the site boundary?	Mixtures of noxious or explosive gases reaching the ground surface via superficial deposits, faulted/broken strata or poorly filled mine entries and entering structures, confined spaces etc, when an explosive or asphyxiating hazard may be generated.	No.	N/A	N/A
7. Is the proposed development in an area for which the Coal Authority is determining or has granted a licence to remove coal by underground methods?	- Ground subsidence. - Ground instability.	No	N/A	N/A
8. Are there known faults or other lines of weakness (eg. fissures) due to mining at the site?	- Ground subsidence. - Mixtures of noxious or explosive gases reaching the ground surface via faulted/broken strata and entering buildings, structures, confined spaces etc, when an explosive or asphyxiating hazard may be generated.	No	N/A	N/A

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9. Has the site been subject to remedial works by, or on behalf of, the Coal Authority under its surface hazard call out procedures?	Indication of past and potential future subsidence issues on site.	No.	N/A	N/A
10. Is the proposed development within the boundary of a surface mining/opencast site from which minerals have been removed by surface mining/opencast methods?	Potential of a ground gas source and/or migration pathway. Potential settlement problems.	No	N/A	N/A

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11. Is the proposed development within 200m of a surface mining/opencast site from which minerals are being removed?	Development constraints associated with environment/noise/dust	No.	N/A	N/A

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Assessment of Cumulative Impact of Mining Issues: This risk assessment has identified that there is one mine entries located within, the boundary of the site, but the depth and diametre have been recorded as nil. The proposed built footprint is located well away from thsi supposd mine shaft and no impact is envisaged in this respect. Parts of the western boundary is situated adjacent to the boundaries of former opencast sites, as shown on the accompanying plan attached to the CA report. This presents no ground stability issues for a proposed stable use and the stables will be ground mounted to ensure there are no issues, as in they are movable structures and are more akin to field shelters. The CA also report that there are no recorded underground workings within the site boundary.				

Prepared by *Simon Smith* 28.05.2024