



Awel Aman Tawe

Mynydd Y Gwrhyd Solar Farm

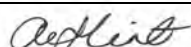
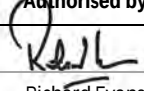
Coal Mining Risk Assessment



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Mynydd Y Gwrhyd Solar Farm

Coal Mining Risk Assessment

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Report Liability Date: September 2020

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1 INTRODUCTION

1.1 Terms of Reference

1.1.1 Tweedie Evans Consulting Ltd (TEC) has been appointed by Dulas Ltd on behalf of Awel Aman Tawe to undertake a Coal Mining Risk Assessment for the proposed Mynydd Y Gwrhyd Solar Farm. All works were undertaken in accordance with our proposal letter dated 24 July 2020 and referenced AF.2007014.001.

1.2 Background

1.2.1 The site is situated off a lane between Heol Hir and Pen Y Bryniau in Neath Port Talbot (Dulas Ltd: Figure 1-1 Site Location - Mynydd Y Gwrhyd Solar Farm. Version V1, dated May 2020). The site covers an area of approximately 3.3 hectares, with the centre of the site situated at approximate National Grid Reference 273119, 210852. the nearest postcode is SA18 1PP.

1.2.2 The proposed development is understood to comprise the construction of a solar farm and associated infrastructure (Dulas Ltd: Figure 1-2 Site Layout – Mynydd Y Gwrhyd Solar Farm. Reference No. E05419, dated May 2020).

1.2.3 The site is located within a Coal Authority Development High Risk Area and consequently there are coal mining features and hazards which need to be considered in relation to the proposed development.

1.2.4 Therefore, this Coal Mining Risk Assessment has been prepared to assess the potential risks to ground stability and the proposed development from potential coal mining activities within the application site and surrounding area, provide recommendations accordingly, and to review suitable mitigation measures where applicable.

1.3 Scope of Works

1.3.1 The scope of work undertaken as part of this report is presented below:

- Desk based review of available information on the coal mining issues which are relevant to the application site;
- Identification and assessment of the potential risks to the proposed development from coal mining legacy; and
- Review of appropriate mitigation or remedial measures required to address any identified risks and demonstrate that the application site is, or can be made safe and stable, as required by national planning policy.

1.3.2 The above scope of work has been undertaken in accordance with current guidance provided by The Coal Authority as outlined in '*Risk based approach to development management – Guidance for developers, Version 4, 2017*'.

1.3.3 The report is presented in the following format.

Section 2 – Desk Based Review: Site Setting

Section 3 – Identification and Assessment of Site Specific Coal Mining

Section 4 – Conclusions and Recommendations (Including Mitigation Strategy)

2 DESK BASED REVIEW: SITE SETTING

2.1 Sources of Information

2.1.1 The following sources of information have been used to provide the basis of this risk assessment:

- British Geological Survey (BGS). 2007. Ammanford. England and Wales Sheet 230. Bedrock and Superficial Deposits. 1:50 000;
- Geological Survey of Great Britain, England and Wales. Geology of the South Wales Coalfield. Special Memoir for the Upper Carboniferous and later formations of the Gwedraeth Valley and Adjoining Areas in parts of the Camarthen (229), Ammanford (230) and Worms Head (246) sheets. A. A Archer (1968);
- BGS Online Viewer (including available BGS Borehole records on the BGS website);
- The Coal Authority Consultants Coal Mining Report (ref. 51002304732001, dated 19 August 2020) (Appendix A);
- Online Research – including current and historical Ordnance Survey maps (www.oldmapsonline.org); and
- Previous reports - Natural Power Consultants Limited: Mynydd Y Gwrhyd Wind Farm – Coal Mining Risk Assessment. Prepared for Awel Aman Tawe, dated April 2014 and referenced 1058182.

2.2 Geology

- 2.2.1 The published BGS mapping records the site to be underlain by the Solid Geology of the Llynfi Member and Rhondda Member associated with the Lower Pennant Measures, which are described by the BGS as green-grey, lithic arenites ("Pennant sandstones") with thin mudstone/siltstone and seatearth interbeds and mainly thin coals. The geological mapping indicates the succession tends to dip to the southeast at 10-18°, although a few localities document dips closer to 25°.
- 2.2.2 The site is reported to be located within a large fault block between the major north-south orientated Cwmllynfell Fault to the east and the Cwmteg Fault to the west.
- 2.2.3 In addition, the No. 2. Rhondda coal seam is recorded to outcrop in proximity to the site to the north. Further coal seams recorded in proximity to the site include the Upper Pinchin Rider, Upper Pinchin, Penrhiw and Penrhiw Rider. Furthermore, a worked out opencast coal seam area is recorded to the south of the site.
- 2.2.4 The No. 2 Rhondda is reported as the most extensively worked of all the Pennant Coals within the district of Pontypridd and the most important coal of the Rhondda Member group. It usually averages 3-4ft in thickness but reaches over 6ft at Llantrisant. In places, the seam consists of three or more distinct leaves. It was mined extensively at the head of the Rhondda Fawr valley, and to a lesser extent to the south-east. Records in the area of the Rhondda Fawr record the seam to consist of a top coal, around 10 inches in thickness, and a bottom coal between 22 – 34 inches in thickness, separated by mudstone.
- 2.2.5 The Coal Authority Coal Mining Report identifies 7no. records of past underground mining of coal seams beneath the site, at 268m to 570m depth, understood to be associated with the Abergorc Hi seam and the underlying Lower Nine Foot Top Leaf seam. Further details are provided in Section 2.4.

2.3 Previous Report Summary

Natural Power Consultants Limited: Mynydd Y Gwrhyd Wind Farm – Coal Mining Risk Assessment. Prepared for Awel Aman Tawe, dated April 2014 and referenced 1058182

- 2.3.1 A Coal Mining Risk Assessment was previously prepared for the site and surrounding area by Natural Power Consultants Limited (NPCL) to support a proposed scheme comprising a community wind turbine development, consisting of 2No. turbines. The proposed location of Turbine 2 (T2) is noted to be within the

general site area of the current proposed solar farm development site, while Turbine 1 (T1) is noted to be located to the north-east of the current development site.

2.3.2 It should be noted that it is assumed that the information contained within the above report may be relied upon for the current assessment. However, TEC holds no liability with regards to the validity or accuracy of third party information. Reference should be made to this document for full details of the site conditions and risk appraisals although a summary of salient information is provided below.

2.3.3 As part of this previous assessment, intrusive works comprising the advancement of 4No. rotary boreholes to depths of between 35mbgl and 53mbgl were undertaken. BHT2A and BHT2B, advanced within the current development area (i.e. T2) recorded the underlying ground conditions on site to comprise the following:

Table 2.1: Generalised Ground Profile – Natural Power Consultants Limited November 2013

Depth (mbgl)	Encountered Material
0.0 – 2.0/2.6	Drift and highly weather to completely weathered rock.
2.0/2.6 – 33.9/36.8	Interbedded strong sandstone and medium strong conglomerate with rare lenses of siltstone.
33.3/36.8 – 33.9/37.7	Coal associated with the Rhondda 2 Seam.
33.9 – 34.7	(BHT2A only) Seat Earth.
34.7/37.7 - >41.3	Medium strong mudstone.

2.3.4 Neither of the exploratory boreholes reportedly encountered evidence of coal workings, voids, flush loss or highly fractured/disturbed ground.

2.3.5 From a review of a Geotechnical Desk Study Assessment (Prepared for Awel Aman Tawe by Earth Science Partnership in 2002), which included a Coal Authority Coal Mining Report and Coal Authority Mine Abandonment Plans, NPCL identified a number of potential risks to the site associated with the mining legacy for the current development site and adjacent area. These are noted to comprise the following:

- Underground coal mining (recorded at shallow depths) – recorded workings are reported to be present within the vicinity of T1 located to the northeast of the current development area. No risk was reported within the vicinity of T2 (i.e. the proposed solar farm area).
- Underground coal mining (probable at shallow depths) – NPCL report possible unrecorded workings were suspected within the vicinity of T2. The assessment undertaken by NPCL indicates that if post and stall mining had been undertaken in this area, the associated voids could typically migrate vertically to up to c.20mbgl, or potentially nearer the surface if poor bedrock conditions were present.
- Mine entries (shafts and adits) – While a number of mine entries were reportedly recorded to be present within the general area of the site, no known shafts or adit entries were reported within 50m of the main infrastructure location (T2).

2.4 Coal Authority Mining Reports

2.4.1 A Coal Authority Consultants Coal Mining Report (ref.51002304732001) has been obtained for the solar farm site, included in Appendix A. A summary of salient information from this report is provided below:

- There are 7No. records of past underground mining beneath the property at depths of between ~268m and 571m, related to the Abergorc Hi seam (4No. records), which is recorded to have an extraction thickness of 140cm and last mined in 1946 and Lower Nine Foot Top Leaf seam (3No. records), which is recorded to have an extraction thickness of between 100cm and 117cm and is reported to have been last mined in 1936;

- No probable unrecorded shallow workings are reported in the area of the site;
- The nearest coal outcrops to the site are reported to comprise workable seams associated with No. 2 Rhondda Rider located approximately 23.5m and 32.5m to the northwest of the site;
- 3No. unlicensed opencast coal mines are recorded within proximity to the site, the closest of which is located approximately 15m to the east of the site, as shown on the plan provided by the Coal Authority and included in Appendix A;
- A single geological fault is recorded in proximity to the site, located along the northern boundary of the site in a north/south orientation, as shown on the plan provided by the Coal Authority and included in Appendix A;
- There are no spine roadways recorded at shallow depth;
- A single mine shaft entry is reported on site. This relates to an adit located at National Grid Reference 272763, 210776. It is understood that the adit was inspected in March 1971 and was found to be filled to an unknown specification.
- There are no records of site investigations, remediated sites, or coal mining subsidence within 50m of the enquiry boundary;
- There are no records of mine gas or mine water treatment schemes within 500m of the site boundary;
- The property is not in an area with licensing for future underground mining or coal mining; and
- There are no records of The Coal Authority receiving damage notice or claims for the subject property, or any property within 50m of the site boundary.

2.5 Coal Authority Mine Abandonment Plans

- 2.5.1 The Coal Authority Mining Report identified a number of mine abandonment plans that intersect with some, or all, of the enquiry boundary. A request for a search of the relevant mine abandonment plans was submitted to the Coal Authority. The Coal Authority response stated that they have no records of shallow workings either beneath the site or within close vicinity. The only open cast workings boundary is approximately 15m to the east of the site. The full response is provided in (Appendix B).

2.6 Online Research

- 2.6.1 Historical maps available online indicates the site has remained undeveloped since earliest available mapping (1878). Evidence of shallow coal (coal seams and coal levels) are reported in proximity to the site from this time.
- 2.6.2 Evidence of potential coal mining is first indicated in the surrounding area on mapping dating from 1898, with the presence of quarries immediately northeast/east of the site. Further evidence is depicted from 1900 with the presence of 'old coal pits' to the southeast of the site.

3 IDENTIFICATION AND ASSESSMENT OF SITE-SPECIFIC COAL MINING

3.1 Background

3.1.1 A summary of the potential risks associated with past coal mining at the site, based on the available information, is presented below in Table 3.1.

Table 3.1: Coal Mining Risk Assessment

Coal Mining Issue	Yes	No	Risk Assessment/ Comments
Underground coal mining (recorded at shallow depths <30mbgl)		X	There are no records of underground coal mining at shallow depths beneath the site. The Coal Authority confirmed they have no records of shallow workings beneath the site or in the vicinity of the site. In addition, intrusive works undertaken for the previous wind farm development by NPCL recorded no evidence of workings to investigated depths of 53m, while coal seams were recorded at depths of >30m including within a borehole positioned in the proposed northeastern corner of the solar farm site area. The geology is recorded to dip in a southeasterly direction and therefore the No. 2 Rhondda seam will be encountered at greater depth beneath the remaining site area.
Underground coal mining (probable at shallow depths)		X	The Coal Authority report for the site identifies there to be no probable unrecorded shallow workings. The intrusive works undertaken for the previous wind farm development by NPCL recorded no evidence of workings to investigated depths of 53m, while coal seams were recorded at depths of >30m beneath a thickness of competent sandstone. Therefore, the probability of unrecorded shallow workings (30m depth) is considered to be unlikely.
Mine entries (shafts and adits)	X		The Coal Authority record the presence of a single mine entry in vicinity to the site. This relates to an adit located at National Grid Reference 272763, 210776. It is understood that the adit was inspected in March 1971 and was found to be filled to an unknown specification. This feature is noted to be over 150m from the proposed infrastructure of the solar farm, and over 75m from the proposed temporary compound and therefore will not affect ground stability for the proposed development. In addition, a number of unlicensed opencast mine workings are reported in close proximity to the site, although the Coal Authority report there are no records of opencast workings on site, with the nearest boundary located approximately 15m east.
Coal mining geology (faults, fissures and breaklines)	X		A single geological fault is recorded along the northern boundary of the site in a north/south orientation. However, no evidence of shallow underground workings that may affect ground stability at the surface and influence the fault has been identified at the site, or within vicinity to the site.
Record of past mine gas emissions or potential		X	The Coal Authority holds no records of mine gas within 500m of the site.
Recorded coal mining surface hazard		X	The Coal Authority report no records of surface hazards related to coal mining at the property.

Coal Mining Issue	Yes	No	Risk Assessment/ Comments
Surface mining (opencast workings)	X		The Coal Authority report identifies 3No areas of unlicensed opencast workings from ~15m east. The Rhondda No.2 coal seam is recorded to outcrop in relative proximity to the site, which may have unrecorded surface workings. However, the Rhondda No. 2 coal seam dips towards the southeast and was recorded during the intrusive works completed by NPCL at depths of 33.3m – 33.9mbgl and 36.8 – 37.7mbgl within the location of the T2 wind turbine, located in the north-eastern corner of the proposed solar farm development. Therefore, any unrecorded surface workings of the Rhondda No.2 outcrop to the northwest of the site are not considered to be a risk to the proposed development.

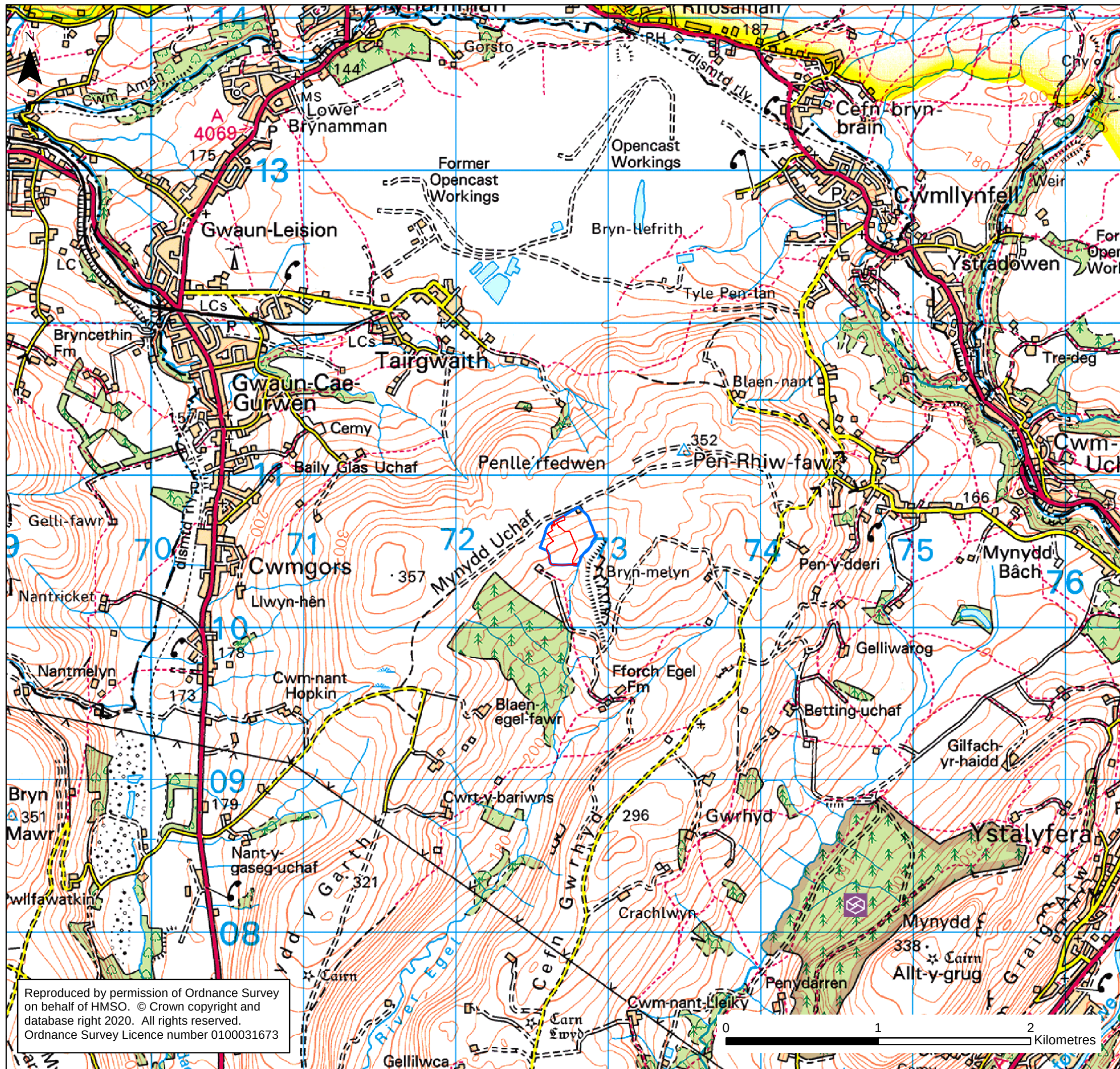
4 CONCLUSIONS & RECOMMENDATIONS

- 4.1.1 The Coal Authority mining report identifies underground workings of the Abergorc Hi seam and Lower Nine Foot Top Leaf seam beneath the site, it is noted that these are at depths >260m and therefore are unlikely to influence ground stability at the surface.
- 4.1.2 An area of unlicensed opencast workings is reported approximately 15m east of the site. However, a search of the mine abandonment plans by the Coal Authority did not identify any opencast workings extending on to the subject site and previous intrusive works on the site did not record the presence of any such deposits.
- 4.1.3 A workable seam (No. 2 Rhondda Rider) is located approximately 23.5m and 32.5m to the northwest of the site. The No. 2 Rhondda is reported as the most extensively worked of all the Pennant Coals within the district of Pontypridd and the most important coal of the Rhondda Member group underlying the site area.
- 4.1.4 However, intrusive works previously undertaken at the site by Natural Power Consultants Limited (2013), for the previous wind farm development, recorded coal associated with the No. 2 Rhondda seam at depths in excess of 33mbgl in the northeastern corner of the proposed solar farm area. The geology of the area is recorded to dip to the southeast at 10-18° (although locally up to 25°) and therefore will be encountered at greater depths beneath the remaining solar farm area. No evidence of coal workings, voids, flush loss or highly fractured/disturbed ground was recorded during the intrusive investigation to depths in excess of 50mbgl. The intrusive works recorded only a thin layer of superficial deposits (drift), underlain by a succession of undisturbed mainly sandstone becoming mudstone with depth.

Mitigation Strategy

- 4.1.5 Given the previous intrusive works by Natural Power Consultants Ltd on the site area, which proved depths of the No. 2 Rhondda seam (recorded as intact/ unworked) in the northeast corner of the site at >30m, the limited thickness of recorded superficial deposits and the proven thickness of competent rock, the potential for shallow workings, disturbed ground or ground stability issues associated with the No.2 Rhondda seam in the vicinity of the proposed solar farm development area is considered to be unlikely.
- 4.1.6 Therefore, no further investigation or mitigation measures would be considered necessary for the proposed solar farm development.
- 4.1.7 Notwithstanding the above, all groundworks carried out for the development should be carefully monitored for potential coal mining features. Should any evidence of potential shallow coal working be encountered, further advice from a geotechnical specialist should be sought.

FIGURES AND DRAWINGS



Legend

- Site Location
- Landowner Boundary

Scale (at A3): 1:25,000

Date: May 2020

Prepared by:



Client: Awel Aman Tawe

Mynydd y Gwrhyd Solar Farm

Figure 1-1: Site Location

Drawn by: RK

Checked by: MP

Version: V1

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Appendix A

Coal Authority Report

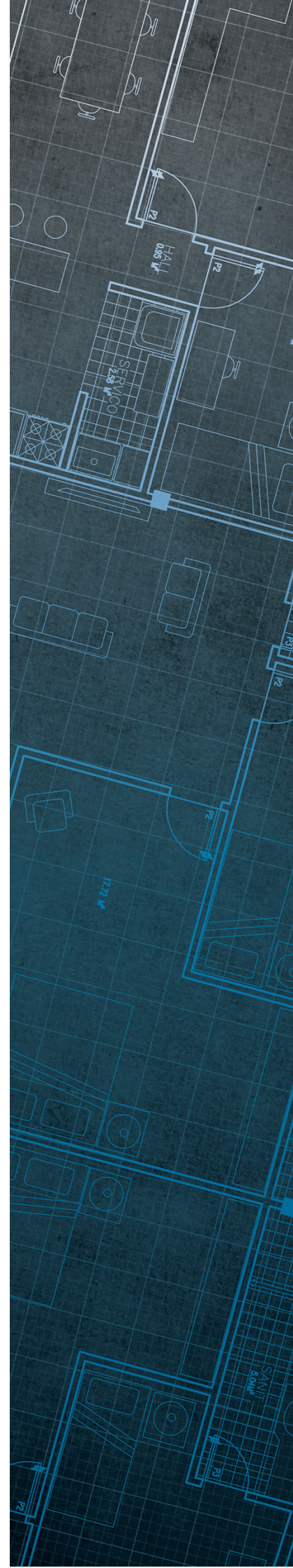


The Coal
Authority

Consultants Coal Mining Report

Lane From Heol Hir To Pen Y
Bryniau
Gwaun Cae Gurwen
Neath Port Talbot
SA18 1PP

Date of enquiry:	19 August 2020
Date enquiry received:	19 August 2020
Issue date:	19 August 2020
Our reference:	51002304732001
Your reference:	2007014



Consultants

Coal Mining Report

This report is based on and limited to the records held by the Coal Authority at the time the report was produced.

Client name

TWEEDIE EVANS CONSULTING LTD

Enquiry address

Lane From Heol Hir To Pen Y Bryniau
Gwaun Cae Gurwen
Neath Port Talbot
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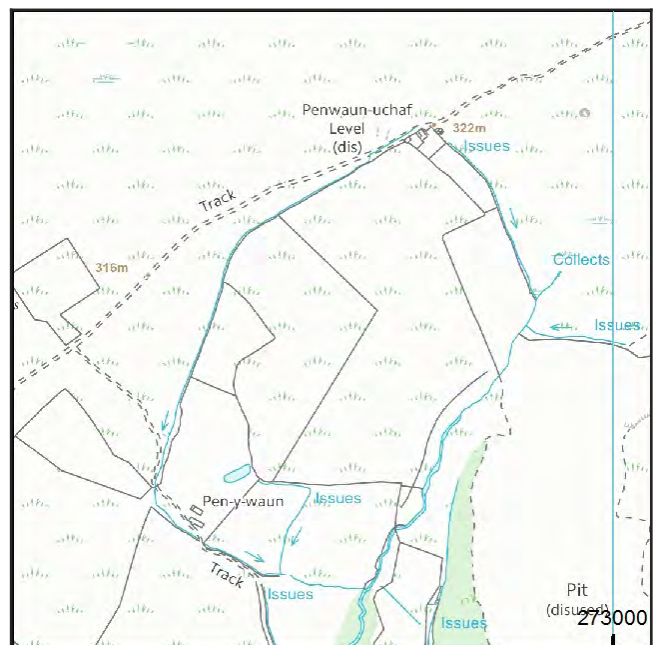
www.groundstability.com

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Approximate position of property



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Section 1 – Mining activity and geology

Past underground mining

Colliery	Seam	Mineral	Coal Authority reference	Depth (m)	Direction to working	Dipping rate of seam worked (degrees)	Dipped direction of seam worked	Extraction thickness (cm)	Year last mined
unnamed	ABERGORC HI	Coal	4YSZ	268	North	18.0	South	140	1911
unnamed	ABERGORC HI	Coal	4YSW	317	South	6.9	South-East	140	1946
unnamed	ABERGORC HI	Coal	4YSX	339	South	8.2	East	140	1945
unnamed	ABERGORC HI	Coal	4YSU	345	South-East	0.0	East	140	1942
unnamed	LOWER NINE FOOT TOP LEAF	Coal	4GDH	526	North	5.5	South	117	1936
unnamed	LOWER NINE FOOT TOP LEAF	Coal	4YT4	534	North-West	22.6	South-East	100	1934
unnamed	LOWER NINE FOOT TOP LEAF	Coal	4YT3	571	North	22.6	South-East	100	1936

Probable unrecorded shallow workings

None.

Spine roadways at shallow depth

No spine roadway recorded at shallow depth.

Mine entries

Entry type	Reference	Grid reference	Treatment description	Mineral	Conveyancing details
Adit	272210-001	272763 210776	This adit was inspected in March 1971 and was found to be filled to an unknown specification	Coal	

Abandoned mine plan catalogue numbers

The following abandoned mine plan catalogue numbers intersect with some, or all, of the enquiry boundary:

SWR3711	16626	SWR1534
16719	SWR671	SWR1562
SWR1506	SWA3432	16623

Our records show we have more plans than those shown above which could affect the enquiry boundary.

Please contact us on 0345 762 6848 to determine the exact abandoned mine plans you require based on your needs.

Outcrops

Seam name	Mineral	Seam workable	Distance to outcrop (m)	Direction to outcrop	Bearing of outcrop
NO.2 RHONDDA RIDER	Coal	Yes	32.4	North-West	55
NO.2 RHONDDA RIDER	Coal	Yes	23.7	North-West	65

Geological faults, fissures and breaklines

Please refer to the 'Summary of findings' map (on separate sheet) for details of any geological faults, fissures or breaklines either within or intersecting the enquiry boundary.

Fault under or close to the property recorded.

Opencast mines

Please refer to the "Summary of findings" map (on separate sheet) for details of any opencast areas within 500 metres of the enquiry boundary.

Coal Authority managed tips

None recorded within 500 metres of the enquiry boundary.

Section 2 – Investigative or remedial activity

Please refer to the 'Summary of findings' map (on separate sheet) for details of any activity within the area of the site boundary.

Site investigations

None recorded within 50 metres of the enquiry boundary.

Remediated sites

None recorded within 50 metres of the enquiry boundary.

Coal mining subsidence

The Coal Authority has not received a damage notice or claim for the subject property, or any property within 50 metres of the enquiry boundary, since 31 October 1994.

There is no current Stop Notice delaying the start of remedial works or repairs to the property.

The Coal Authority is not aware of any request having been made to carry out preventive works before coal is worked under section 33 of the Coal Mining Subsidence Act 1991.

Mine gas

None recorded within 500 metres of the enquiry boundary.

Mine water treatment schemes

None recorded within 500 metres of the enquiry boundary.

Section 3 – Licensing and future mining activity

Future underground mining

None recorded.

Coal mining licensing

None recorded within 200 metres of the enquiry boundary.

Court orders

None recorded.

Section 46 notices

No notices have been given, under section 46 of the Coal Mining Subsidence Act 1991, stating that the land is at risk of subsidence.

Withdrawal of support notices

The property is not in an area where a notice to withdraw support has been given.

The property is not in an area where a notice has been given under section 41 of the Coal Industry Act 1994, cancelling the entitlement to withdraw support.

Payments to owners of former copyhold land

The property is not in an area where a relevant notice has been published under the Coal Industry Act 1975/Coal Industry Act 1994.

Section 4 – Further information

The following potential risks have been identified and as part of your risk assessment should be investigated further.

Development advice

The site is within an area of historical coal mining activity. Should you require advice and/or support on understanding the mining legacy, its risks to your development or what next steps you need to take, please contact us.

For further information on specific site or ground investigations in relation to any issues raised in Section 4, please call us on 0345 762 6848 or email us at groundstability@coal.gov.uk.

Section 5 – Data definitions

The datasets used in this report have limitations and assumptions within their results. For more guidance on the data and the results specific to the enquiry boundary, please **call us on 0345 762 6848** or **email us at groundstability@coal.gov.uk**.

Past underground coal mining

Details of all recorded underground mining relative to the enquiry boundary. Only past underground workings where the enquiry boundary is within 0.7 times the depth of the workings (zone of likely physical influence) allowing for seam inclination, will be included.

Probable unrecorded shallow workings

Areas where the Coal Authority believes there to be unrecorded coal workings that exist at or close to the surface (less than 30 metres deep).

Spine roadways at shallow depth

Connecting roadways either, working to working, or, surface to working, both in-seam and cross measures that exist at or close to the surface (less than 30 metres deep), either within or within 10 metres of the enquiry boundary.

Mine entries

Details of any shaft or adit either within, or within 100 metres of the enquiry boundary including approximate location, brief treatment details where known, the mineral worked from the mine entry and conveyance details where the mine entry has previously been sold by the Authority or its predecessors British Coal or the National Coal Board.

Abandoned mine plan catalogue numbers

Plan numbers extracted from the abandoned mines catalogue containing details of coal and other mineral abandonment plans deposited via the Mines Inspectorate in accordance with the Coal Mines Regulation Act and Metalliferous Mines Regulation Act 1872. A maximum of 9 plan extents that intersect with the enquiry boundary will be included. This does not infer that the workings and/or mine entries shown on the abandonment plan will be relevant to the site/property boundary.

Outcrops

Details of seam outcrops will be included where the enquiry boundary intersects with a conjectured or actual seam outcrop location (derived by either the British Geological Survey or the Coal Authority) or intersects with a defined 50 metres buffer on the coal (dip) side of the outcrop. An indication of whether the Coal Authority believes the seam to be of sufficient thickness and/or quality to have been worked will also be included.

Geological faults, fissures and breaklines

Geological disturbances or fractures in the bedrock. Surface fault lines (British Geological Survey derived data) and fissures and breaklines (Coal Authority derived data) intersecting with the enquiry boundary will be included. In some circumstances faults, fissures or breaklines have been known to contribute to surface subsidence damage as a consequence of underground coal mining.

Opencast mines

Opencast coal sites from which coal has been removed in the past by opencast (surface) methods and where the enquiry boundary is within 500 metres of either the licence area, site boundary, excavation area (high wall) or coaling area.

Coal Authority managed tips

Locations of disused colliery tip sites owned and managed by the Coal Authority, located within 500 metres of the enquiry boundary.

Site investigations

Details of site investigations within 50 metres of the enquiry boundary where the Coal Authority has received information relating to coal mining risk investigation and/or remediation by third parties.

Remediated sites

Sites where the Coal Authority has undertaken remedial works either within or within 50 metres of the enquiry boundary following report of a hazard relating to coal mining under the Coal Authority's Emergency Surface Hazard Call Out procedures.

Coal mining subsidence

Details of alleged coal mining subsidence claims made since 31 October 1994 either within or within 50 metres of the enquiry boundary. Where the claim relates to the enquiry boundary confirmation of whether the claim was accepted, rejected or whether liability is still being determined will be given. Where the claim has been discharged, whether this was by repair, payment of compensation or a combination of both, the value of the claim, where known, will also be given.

Details of any current 'Stop Notice' deferring remedial works or repairs affecting the property/site, and if so the date of the notice.

Details of any request made to execute preventative works before coal is worked under section 33 of the Coal Mining Subsidence Act 1991. If yes, whether any person withheld consent or failed to comply with any request to execute preventative works.

Mine gas

Reports of alleged mine gas emissions received by the Coal Authority, either within or within 500 metres of the enquiry boundary that subsequently required investigation and action by the Coal Authority to mitigate the effects of the mine gas emission.

Mine water treatment schemes

Locations where the Coal Authority has constructed or operates assets that remove pollutants from mine water prior to the treated mine water being discharged into the receiving water body.

These schemes are part of the UK's strategy to meet the requirements of the Water Framework Directive. Schemes fall into 2 basic categories: Remedial – mitigating the impact of existing pollution or Preventative – preventing a future pollution incident.

Mine water treatment schemes generally consist of one or more primary settlement lagoons and one or more reed beds for secondary treatment. A small number are more specialised process treatment plants.

Future underground mining

Details of all planned underground mining relative to the enquiry boundary. Only those future workings where the enquiry boundary is within 0.7 times the depth of the workings (zone of likely physical influence) allowing for seam inclination will be included.

Coal mining licensing

Details of all licenses issued by the Coal Authority either within or within 200 metres of the enquiry boundary in relation to the under taking of surface coal mining, underground coal mining or underground coal gasification.

Court orders

Orders in respect of the working of coal under the Mines (Working Facilities and Support) Acts of 1923 and 1966 or any statutory modification or amendment thereof.

Section 46 notices

Notice of proposals relating to underground coal mining operations that have been given under section 46 of the Coal Mining Subsidence Act 1991.

Withdrawal of support notices

Published notices of entitlement to withdraw support and the date of the notice. Details of any revocation notice withdrawing the entitlement to withdraw support given under Section 41 of the Coal Industry Act 1994.

Payment to owners of former copyhold land

Relevant notices which may affect the property and any subsequent notice of retained interests in coal and coal mines, acceptance or rejection notices and whether any compensation has been paid to a claimant.

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VAT receipt

Issued by	The Coal Authority 200 Lichfield Lane Mansfield Nottinghamshire NG18 4RG
Tax point date	19 August 2020
Issued to	TWEEDIE EVANS CONSULTING LTD 35A SOUTHOVER WELLS SOMERSET BA5 1UH
Property search for	LANE FROM HEOL HIR TO PEN Y BRYNIAU GWAUN CAE GURWEN NEATH PORT TALBOT SA18 1PP
Reference number	51002304732001
Date of issue	19 August 2020
Cost	£112.13
VAT @ 20%	£22.43
Total received	£134.56
VAT registration	598 5850 68

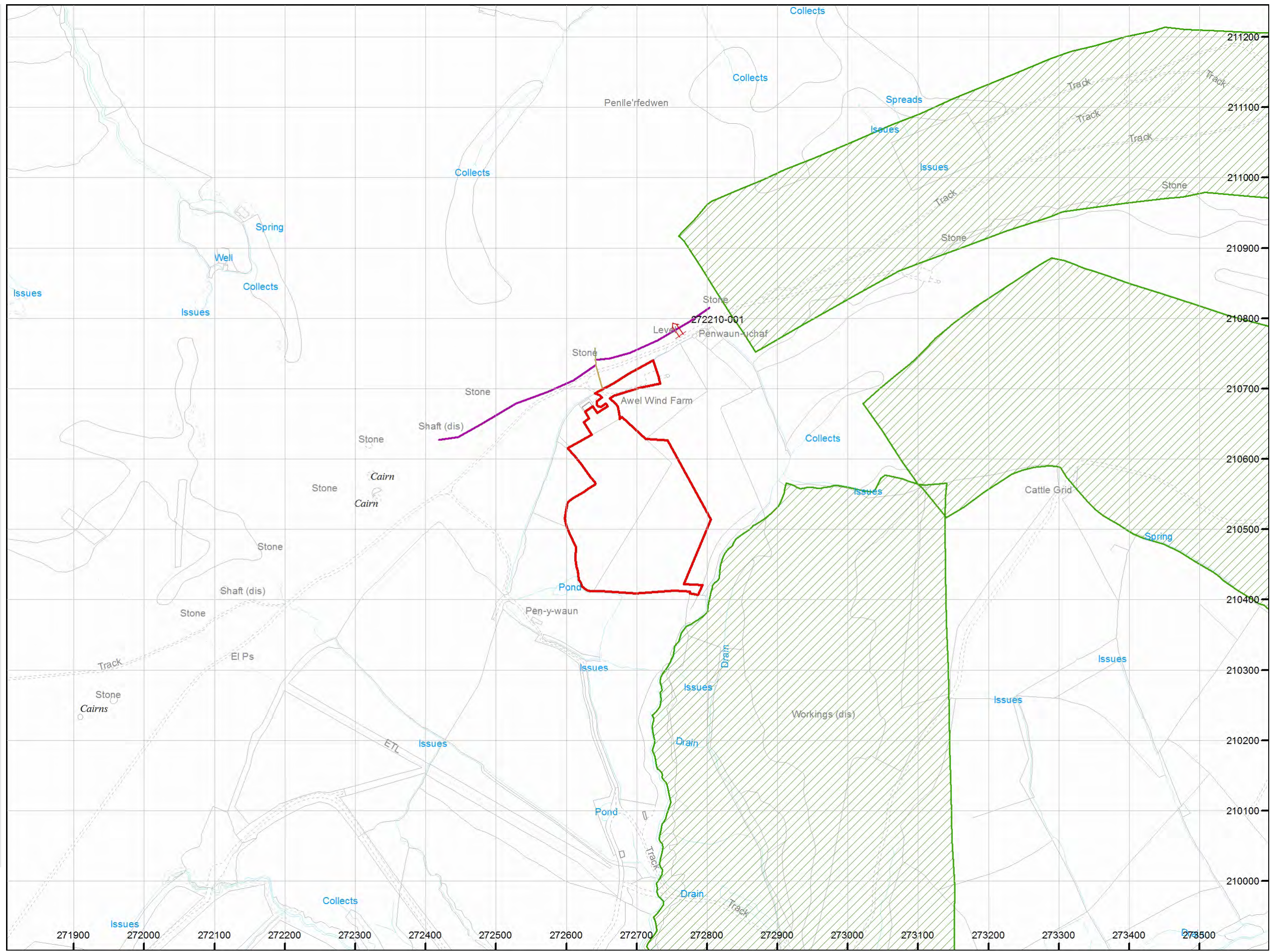
The map highlights any specific surface or subsurface features within or near to the boundary of the site.

Key

- Approximate position of the enquiry boundary shown 
- Disused adit 
- Outcrop (Proven) 
- Geological faults 
- Unlicensed opencast site 

How to contact us

0345 762 6848 (UK)
+44 (0)1623 637 000 (International)
www.groundstability.com



Appendix B

Coal Authority Correspondence

Alexandra Flint

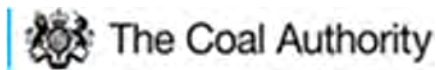
Subject: FW: [External] Coal abandonment plans ref.51002304732001

From: Information Managers <InformationManagers@coal.gov.uk>
Sent: 27 August 2020 15:05
To: Alexandra Flint <alex.flint@tecon.co.uk>
Subject: RE: [External] Coal abandonment plans ref.51002304732001

Hello Alex

We have undertaken a search as requested, The Coal Authority have no records of shallow workings either beneath the site or within close vicinity. The only open cast workings boundary is approximately 15m to the east of the site. Any queries please do not hesitate to contact me.

Kind regards
Andrea



Andrea Holmes
Customer Service Administrator

DD: 01623 637122
T : 0345 7626 848
W : www.gov.uk/coalauthority

From: Alexandra Flint <alex.flint@tecon.co.uk>
Sent: 19 August 2020 17:02
To: thecoalauthority <thecoalauthority@coal.gov.uk>
Subject: [External] Coal abandonment plans ref.51002304732001

WARNING: This email originated outside of the Coal Authority. DO NOT CLICK any links or open any file attachments unless you recognise the sender and know the content is safe. Check the spelling of any email addresses carefully for anything unusual. If you are unsure please contact the ICT Service Desk for guidance.

Good afternoon,

Please can I request a search of the coal abandonment plans for the site as per the attached report. We would just like any that relate to shallow/ opencast (

If you need any further information, please let me know.

Kind regards,

Alex

Alexandra Flint
Principal Geoenvironmental Consultant

DD: 01749 835 405
Mobile: 07912 630880
e-mail: alex.flint@tecon.co.uk

TEC

The Old Chapel
35A Southover
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BA5 1UH

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www.tecon.co.uk



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