



The Abergelli Power Gas Fired Generating Station Order

6.2 Environmental Statement Appendices - Volume H Ground Conditions Part III

Planning Act 2008
The Infrastructure Planning
(Applications: Prescribed Forms and Procedure) Regulations 2009

PINS Reference Number: EN010069
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Regulation Number: 5(2)(a) & Infrastructure Planning (Environmental Impact Assessment) Regulations 2009
Author: AECOM

Revision	Date	Description
0	May 2018	Submission Version



Appendix 10.3

British Geological Survey Borehole Log
SN65200160 Abergelli-fach Farm

Part III

Contract :	S Wales Sand and Gravel Assessment	Locality:	Aber-gelli-fach Farm
Client :	Welsh Office and Dept of Environment	Grid Ref:	SN 65200160
Drilling Contractor :	Exploration Associates	Ground Level:	113 m
Drilling Method :	Shell and Auger 200 mm	Date Commenced	07 : 10 : 91 SN60SE 24

GL	WATER LEVEL	DEPTH (M)	THICKNESS (M)	SAMPLES		REF NO	DESCRIPTION	LEGEND
				FROM	TO			
		0.3	0.3				Brown sandy clayey TOPSOIL	
1							Firm yellow brown sandy very gravelly CLAY with occasional cobbles	
2								
3								
4			6.1					
5								
6		6.4						
		6.5	0.1	6.4	6.5	P4/01	Grey brown very clayey SAND	
7				6.5	7.4	P4/02	Grey brown very clayey pebbly fine SAND	
			1.5					
8		8.0		7.4	8.4	P4/03	Grey brown very clayey fine SAND	
9			1.7	8.4	9.7	P4/04	Grey brown clayey gravelly SAND	
10		9.7					Grey brown clayey SAND	

▽ WATER STRIKE

▼ WATER LEVEL

ENGINEER NCH

Contract :	S Wales Sand and Gravel Assessment	Locality:	Aber-gelli-fach Farm
Client :	Welsh Office and Dept of Environment	Grid Ref:	SN 65200160
Drilling Contractor :	Exploration Associates	Ground Level	113 m
Drilling Method :	Shell and Auger 200 mm	Date Commenced	07 : 10 : 91

SN605E24

GL	WATER LEVEL	DEPTH (M)	THICKNESS (M)	SAMPLES		REF NO	DESCRIPTION	LEGEND
				FROM	TO			
	▽	10.7	1.0					
11				10.7	11.7	P4/05	Grey brown very clayey fine SAND. Trace of coal	
12				12.0	13.0	P4/06	Grey brown very clayey fine SAND	
13			3.3				grading into	
13				13.0	14.0	P4/07	Grey brown sandy CLAY	
14		14.0		14.0	15.0	P4/08	Grey brown clayey fine SAND	
15			1.1					
15		15.1					Grey brown sandy CLAY	
16			0.7					
16		15.8					Firm yellow CLAY becoming stiff grey gravelly CLAY (possible BOULDER CLAY)	
17			1.0					
17		16.8					End of hole	
18								
19								
20								

▽ WATER STRIKE

▼ WATER LEVEL

ENGINEER NCH

Appendix 10.4

Coal Authority Mining Report

APPENDIX C

COAL AUTHORITY MINING REPORT

Location map



Approximate position of property



Enquiry boundary

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Key

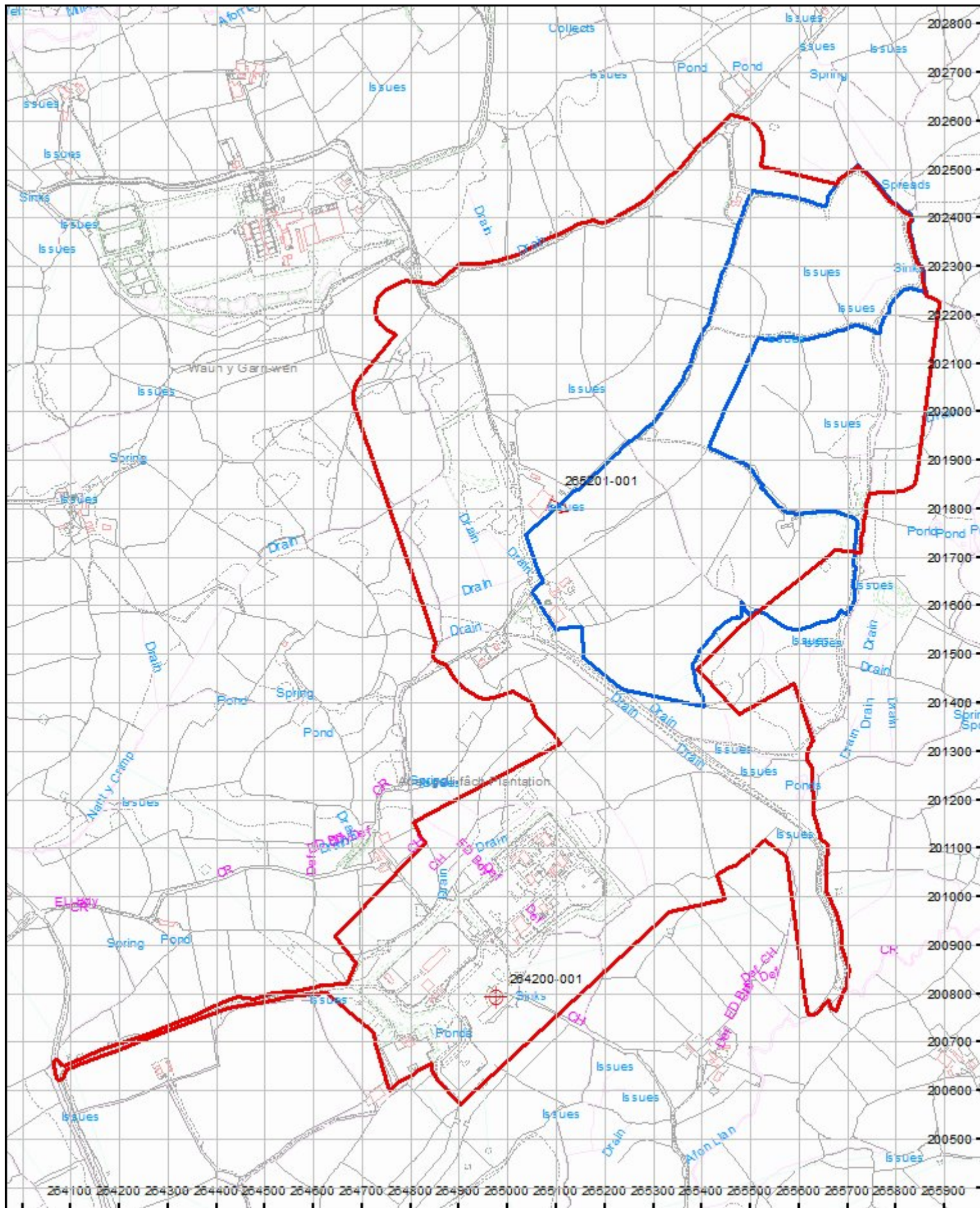
Approximate position of enquiry boundary shown



Disused Adit or Mineshaft



Coal Claims





Issued by:

The Coal Authority, Property Search Services, 200 Lichfield Lane, Berry Hill, Mansfield, Nottinghamshire, NG18 4RG
Website: www.groundstability.com Phone: 0845 762 6848 DX 716176 MANSFIELD 5

PARSONS BRINCKERHOFF
27-29 CATHEDRAL ROAD
CARDIFF
CF11 9HA

Our reference: **51000592880001**
Your reference: **QUOTE ONLY**
Date of your enquiry: **30 July 2014**
Date we received your enquiry: **30 July 2014**
Date of issue: **01 August 2014**

This report is for the property described in the address below and the attached plan.

Non-Residential Coal Authority Mining Report

ABERGELLI FACH FARM, FELINDRE, SWANSEA, SA5 7NN

This report is based on and limited to the records held by, the Coal Authority, and the Cheshire Brine Subsidence Compensation Board's records, at the time we answer the search.

Coal mining	See comments below
Brine Compensation District	No

Information from the Coal Authority

Underground coal mining

Past

The property is in the likely zone of influence from workings in 3 seams of coal at shallow to 380m depth, and last worked in 1986.

Present

The property is not in the likely zone of influence of any present underground coal workings.

Future

The property is not in an area for which the Coal Authority is determining whether to grant a licence to remove coal using underground methods.

The property is not in an area for which a licence has been granted to remove or otherwise work coal using underground methods.

The property is not in an area that is likely to be affected at the surface from any planned future workings.

However, reserves of coal exist in the local area which could be worked at some time in the future.

No notice of the risk of the land being affected by subsidence has been given under section 46 of the Coal Mining Subsidence Act 1991.

Mine entries

Within, or within 20 metres of, the boundary of the property there are 2 mine entries, the approximate positions of which are shown on the attached plan.

There is no record of what steps, if any, have been taken to treat the mine entries.

Records may be incomplete. Consequently, there may exist in the local area mine entries of which the Coal Authority has no knowledge.

For an additional fee, the Coal Authority will provide a supplementary Mine Entry Interpretive Report. The report will provide a separate assessment for the mine entry (entries) referred to in this report. It will give details based on information in the Coal Authority's possession, together with an opinion on the likelihood of mining subsidence damage arising from ground movement as a consequence of the existence of the mine entry/entries. It will also give details of the remedies available for subsidence damage where the mine entry was sunk in connection with coal mining. Please note that it may not be possible to produce a report if the main building to the property cannot be identified from Coal Authority plans (ie. for development sites and new build).

For further advice on how to order this additional information visit www.groundstability.com or telephone 0845 7626 848.

Coal mining geology

The Authority is not aware of any evidence of damage arising due to geological faults or other lines of weakness that have been affected by coal mining.

Opencast coal mining

Past

The property is not within the boundary of an opencast site from which coal has been removed by opencast methods.

Present

The property does not lie within 200 metres of the boundary of an opencast site from which coal is being removed by opencast methods.

Future

The property is not within 800 metres of the boundary of an opencast site for which the Coal Authority is determining whether to grant a licence to remove coal by opencast methods.

The property is not within 800 metres of the boundary of an opencast site for which a licence to remove coal by opencast methods has been granted.

Coal mining subsidence

A damage notice or claim for alleged subsidence damage was made in November 1996 for ABERGELLI FARM, FELINDRE, SWANSEA, SA5 7NN. However, the claim was rejected.

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

A damage notice or claim for alleged subsidence damage was made in June 1995 for ABERGELLI FARM, FELINDRE, SWANSEA, WEST GLAMORGAN, SA5 7NN. However, the claim was rejected.

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

The 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.

If further subsidence damage claims information is required in addition to that provided in this report, the Authority need to manually search their records. For further advice on how to order this additional information visit www.groundstability.com or telephone 0845 7626 848.

Mine gas

There is no record of a mine gas emission requiring action by the Coal Authority within the boundary of the property.

Hazards related to coal mining

The property has been subject to remedial works, by or on behalf of the Authority, under its Emergency Surface Hazard Call Out procedures.

Withdrawal of support

The property is in an area for which notices of entitlement to withdraw support were published in 1943, 1945, 1976, 1977.

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

Working facilities orders

The property is not in an area for which an Order has been made under the provisions of the Mines (Working Facilities and Support) Acts 1923 and 1966 or any statutory modification or amendment thereof.

Payments to owners of former copyhold land

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

Comments on Coal Authority information

The attached plan shows the approximate location of the disused mine entry/entries referred to in this report. For reasons of clarity, mine entry symbols may not be drawn to the same scale as the plan.

Property owners have the benefit of statutory protection (under the Coal Mining Subsidence act 1991*). This contains provision for the making good, to the reasonable satisfaction of the owner, of physical damage from disused coal mine workings including disused coal mine entries. A leaflet setting out the rights and the obligations of either the Coal Authority or other responsible persons under the 1991 Act can be obtained by telephoning 0845 762 6848 or online at www.coal.decc.gov.uk/en/coal/cms/services/claims.

If you wish to discuss the relevance of any of the information contained in this report you should seek the advice of a qualified mining engineer or surveyor. If you or your adviser wish to examine the source plans from which the information has been taken these are normally available at our Mansfield office, free of charge, by prior appointment, telephone 01623 637235. Should you or your adviser wish to carry out any physical investigations that may enter, disturb or interfere with any disused mine entry the prior permission of the owner must be sought. For coal mine entries the owner will normally be the Coal Authority.

The Coal Authority, regardless of responsibility and in conjunction with other public bodies, provide an emergency call out facility in coalfield areas to assess the public safety implications of mining features (including disused mine entries). Our emergency telephone number at all times is 01623 646333.

*Note, this Act does not apply where coal was worked or gotten by virtue of the grant of a gale in the Forest of Dean, or any other part of the Hundred of St. Briavels in the county of Gloucester.

In view of the mining circumstances a prudent developer would seek appropriate technical advice before any works are undertaken.

Therefore if development proposals are being considered, technical advice relating to both the investigation of coal and former coal mines and their treatment should be obtained before beginning work on site. All proposals should apply good engineering practice developed for mining areas. No development should be undertaken that intersects, disturbs or interferes with any coal or mines of coal without the permission of the Coal Authority. Developers should be aware that the investigation of coal seams/former mines of coal may have the potential to generate and/or displace underground gases and these risks both under and adjacent to the development should be fully considered in developing any proposals. The need for effective measures to prevent gases entering into public properties either during investigation or after development also needs to be assessed and properly addressed. This is necessary due to the public safety implications of any development in these circumstances.

Information from the Cheshire Brine Subsidence Compensation Board

The property lies outside the Cheshire Brine Compensation District.

Additional Remarks

This report is prepared in accordance with the Law Society's Guidance Notes 2006, the User Guide 2006 and the Coal Authority and Cheshire Brine Board's Terms and Conditions 2006. The Coal Authority owns the copyright in this report. The information we have used to write this report is protected by our database right. All rights are reserved and unauthorised use is prohibited. If we provide a report for you, this does not mean that copyright and any other rights will pass to you. However, you can use the report for your own purposes.

Issued by:	The Coal Authority, 200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG
Tax Point Date:	30 July 2014
Issued to:	PARSONS BRINCKERHOFF 27-29 CATHEDRAL ROAD CARDIFF CF11 9HA
Property Search for:	ABERGELLI FACH FARM, FELINDRE, SWANSEA, SA5 7NN
Reference Number:	51000592880001
Date of Issue:	01 August 2014
Cost:	£414.00
VAT @ 20%:	£82.80
Total Received:	£496.80
VAT Registration	598 5850 68

Map images are being sent under separate cover



The Coal
Authority

Issued by:

The Coal Authority, Property Search Services, 200 Lichfield Lane, Berry Hill, Mansfield, Nottinghamshire, NG18 4RG
Website: www.groundstability.com Phone: 0845 762 6848 DX 716176 MANSFIELD 5

**CHARLES ADEGITE
OXFORD HOUSE
OXFORD ROAD
MANCHESTER
M1 7ED**

Our reference:	51000588204001
Your reference:	Mine entry
Date of your enquiry:	17 July 2014
Date we received your enquiry:	17 July 2014
Date of issue:	21 July 2014

This report is for the property described in the address below and the attached plan.

Shaft Plan and Data Sheets

ABERGELLI FACH FARM, FELINDRE, SWANSEA, SA5 7NN

I refer to the enquiry dated 17 July 2014, received 17 July 2014, in connection with the above.

As requested I enclose the mine entry data sheet(s) held for the mine entry/entries referred to.

Mine Entry Data

Shaft/adit:	Adit
Reference:	265201-001
Source:	1/2500 O.S Sheet Glam 15:1 1935 Ed Ab plans SW154 SW514 SWR666 SWA1795. Other: AG1 PD110 Abergelli No.1 Geological Sheet SN60SE N.G Ed 1/10560 O.S Sheet SN60SE N.G Ed - site of
Colliery name:	Unknown
Entry name:	Aber Gelli Colliery
Date abandoned:	Unknown
Depth of superficial deposits (m):	Unknown
Depth of shaft (m):	Unknown
Diameter of shaft (m):	Unknown
Probable adit azimuth:	115
Treatment details:	Unknown
Conveyance:	Not Applicable
Easting:	265091
Northing:	201811
Other information:	None

Issued by:	The Coal Authority, 200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG
Tax Point Date:	17 July 2014
Issued to:	CHARLES ADEGITE OXFORD HOUSE OXFORD ROAD MANCHESTER M1 7ED
Property Search for:	ABERGELLI FACH FARM, FELINDRE, SWANSEA, SA5 7NN
Reference Number:	51000588204001
Date of Issue:	21 July 2014
Cost:	£35.00
VAT @ 20%:	£7.00
Total Received:	£42.00
VAT Registration	598 5850 68

Location map

Approximate position of enquiry



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Our emergency telephone number at all times is 01623 646333.

Key

Disused Adit or Mineshaft

