

The COAL AUTHORITY



200 Lichfield Lane
Berry Hill
Mansfield
Nottinghamshire
NG18 4RG

Tel: 01623 637205
Fax: 01623 620363
E-mail: permissions@coal.gov.uk

Our Ref: 5907
Your Ref: 28533-800-Silkstone STW
Entec UK Ltd
Northumbria House
Regent Centre
Gosforth
NE3 3PX

7th March 2011

For the attention of Steven Metcalfe

Dear Sir

Investigation of Shallow Mine Workings, 1 Borehole at Silkstone WWTW, Silkstone, Barnsley, West Yorkshire

"Application for Permission to Enter or Disturb Coal Authority Mining Interests"

Thank you for submitting the signed 'Terms and Conditions' document. Attached to this letter is the signed permit certificate and supporting documentation which allows you to carry out the works to the specifications in the documents you submitted within "the site", as shown on the plan which is part of the attached mining report.

You should be aware that mine gas may be present within voids in shallow mine workings, mine entries, voids above such workings and in any permeable strata or surface fill material. You should be aware of the risk of encountering mine gas in shallow boreholes and excavations. Especially at times of falling barometric pressure, all boreholes and excavations should be regularly tested for all gases associated with coal mining, commonly carbon dioxide, methane and hydrogen sulphide. Compressed air flush must not be used, instead of the water flush specified, because of the possibility of gas being displaced and forced into neighbouring properties. If mine gas or mine water is encountered, would you ensure that such occurrences are documented and the appropriate actions are taken. Any surface construction must take account of the risks associated with building on land that may be susceptible to surface emissions of mine gases.

You should also be aware that drilling with compressed air, instead of the water flush specified, can give rise to the onset of spontaneous combustion of any coal remaining within any workings located, mine entries or coal seam outcrops resulting in the production of quantities of carbon monoxide. Care should be taken to ensure any exposed coal seams and all boreholes and excavations are effectively sealed with a cement based material at the earliest opportunity to prevent continued ingress of air.

Will you ensure that this permit certificate, and supporting documentation, is copied to all interested parties, especially the site operatives, and be available for inspection on a site visit by the Authority or the HSE.

This permit certificate is issued on the understanding that, under no circumstances, will works other than those specified, especially a change of flush, be carried out without the prior written approval of the Authority. Should any unrecorded mine entries be encountered you will provide the Authority with the results of your investigations together with the proposed specification for any treatment, for comment, prior to treatment works commencing.

Please submit your final report, as required by this permit certificate terms and conditions, when the works are complete. If you wish to discuss this or any other matter, please do not hesitate to contact me. **Please contact me by email when the works are to commence.**

Yours faithfully


Graham Law
Mining Property Manager

Permission to Enter or Disturb Coal Authority Mining Interests

Name and Address of Applicant:

Lisa White
Yorkshire Water
Livingstone House
Chadwick street
Leeds
LS10 1LJ

Site Location:

Silkstone WWTW
Silkstone
Barnsley
West Yorkshire

This certificate hereby grants the above named Applicant permission to carry out *Investigation of Shallow Mine Workings, 1 Borehole* within the Authority's mining interests at the identified site location for the period of 12 months from the effective date shown below. The granting of this Permission does not constitute advice given by the Authority in relation to the proposed operations. It is the Applicant's responsibility to obtain appropriate health, safety, environmental, technical and legal advice.

Signed: *G. Law* Effective Date: *7th March 2011*

For and on behalf of The Director of Environment, Mining and Property at the Coal Authority

Nominated Representative: Mr Graham Law, Mining Property Manager;

The Coal Authority, Licensing & Permits Office, 200 Lichfield Lane, Mansfield, Notts, NG18 4RG

Tel: 01623 637205; e-mail grahamlaw@coal.gov.uk

Terms and Conditions
for
Entering or Disturbing
Coal Authority Mining Interests

Before permission can be given to enter or disturb Coal Authority mining interests, each applicant must agree with the following terms and conditions in support of their application and return a signed copy to the Coal Authority along with the original application and supporting documentation.

- 1) The Applicant will take all steps, including the erection and maintenance of fences and warning notices, necessary to prevent any person from accidentally entering, falling into, or interfering with any mine entry, mine working, mining collapse, excavation or borehole during the works and as a consequence of the work.
- 2) The Applicant will ensure that nothing is deposited, falls or flows into any mine entry, mine working, mining collapse, excavation or borehole which by itself, or in combination with anything else which may be or which might reasonably be expected to be, in or adjacent to any such mine entry, mine working, mining collapse, excavation or borehole, could block or weaken any underground excavations within or beyond the Site, or could cause or aggravate pollution of underground water, or could cause any nuisance or harm to persons or property on the surface or underground, including any mining operations.
- 3) The Applicant will ensure that appropriate equipment is available on the Site and that procedures are adopted to detect the emission of any flammable or noxious gas from any part of the Site, and will take appropriate action to protect members of the public and workmen. Furthermore, the Applicant will take all appropriate measures to prevent mine gasses migrating into neighbouring properties as a result of the works and where it is necessary to ensure public safety extend his gas monitoring regime to include offsite properties
- 4) The Applicant will notify the Authority's Surface Hazards Office, using the **24 hour Emergency Call Out Service on 01623-646333**, immediately there is evidence of spontaneous combustion of coal, uncontrolled emissions of mine gas or water or other hazard directly or indirectly caused by or related to the above mentioned activities both during and following completion of works. Furthermore, the Applicant will seek proper advice and take all necessary steps for the purpose of controlling, extinguishing and making safe any of the above mentioned hazards.
- 5) The Applicant will comply with all reasonable directions given by the Authority which the Authority in its absolute discretion believes is necessary to safeguard coal, mine workings, mine entries, the environment or public safety.
- 6) The Applicant will provide to the Authority and it's representatives all necessary facilities at all reasonable times to inspect the Site, and ensure that all permissions, consents and private or other rights are adequate to entitle the Authority or those authorised by it to gain access to the Site for any purpose connected with the carrying out of its statutory duties, powers and obligations. The Applicant will notify the Authority's Licensing & Permits Office at least **48 hours** prior to starting intrusive work on the Site and supply contact details of a nominated Site supervisor.
- 7) Should it be found necessary to significantly change the method of treatment, design or specification of the works from that contained in the application to the Authority, the prior permission of the Authority must be obtained before proceeding (such permission not to be unreasonably withheld).
- 8) The Applicant will take account of the possibility of unrecorded mine workings and unrecorded disused mine entries within the site.
- 9) The Applicant should be conversant with all current applicable legislation and will adopt appropriate practices and procedures for working and drilling in hazardous conditions associated with mine workings and mine entries and seek advice as necessary from suitably qualified persons. The Applicant should ensure that contractors are competent and have the necessary experience to enter mine workings.

- 10) Immediately on completion of each borehole it shall be temporarily plugged or sealed pending permanent sealing. Permanent sealing must be effected with a suitable cementitious based material. Such permanent sealing to be throughout the borehole to full depth, and to take place as soon as practicable, having regard to the proposals for site stabilisation.
- 11) A written report summarising the works carried out must be submitted to the Authority's nominated representative *within 3 months* of the completion of operations. The report must include details of all excavations, gas and water encountered, treatment and stabilisation work carried out (including engineering drawings) and grout takes. Included in the report must be a plan to a reasonable scale, showing salient surface features and correlated to Ordnance Survey national grid, showing all boreholes and excavations, and the positions of mine entries and voids proved by the works.
- 12) The Applicant shall, for a period of 12 years from the date of completion of the works, indemnify the Authority against liability for claims, losses or damages, including those made under the Coal Mining Subsidence Act 1991 and claims by the Applicant, whether arising as a result of any failure by the Applicant or the Applicant's contractors, to comply with the requirements of this permission, or as a result of any act, failure, inadequacy, omission, negligence or default by the Applicant or the Applicant's contractors in designing or carrying out the work.
- 13) All costs incurred in compliance with this permission shall be borne by the Applicant.
- 14) For the avoidance of doubt, this permission does not confer upon the Applicant nor anyone acting on his behalf any right whatsoever to explore for coal, win and work coal, or to explore for coal mine or coal-bed methane. Where it is necessary to dig and carry away coal as part of the development, separate prior written permission must be sought from the Authority.
- 15) The Applicant will be responsible for obtaining any necessary permission under Town and Country Planning and any other relevant legislation, and for notifying statutory undertakers and other relevant bodies of his intentions, and for establishing and protecting the positions of any services on the Site.
- 16) The Applicant will obtain all necessary consents from surface and mineral owners, to obtain access to, and occupy the Site, and to carry out operations in any mine or mineral not vested in the Authority.
- 17) If at any time the Authority considers the Applicant to be in breach of any of the obligations or conditions of this document, the Authority may terminate this permission, with immediate effect, by oral or written notice at which time all activities interfering with the Authority's interest must cease.
- 18) Where in the Authority's opinion, the proximity of any mine entry to a proposed new development is likely to increase its liabilities, the Applicant agrees to take a formal conveyance of the mine entries. All such mine entries shall be fully stabilised by the Applicant prior to the conveyance. The conveyance will be on the Authority's standard terms and conditions for a nominal sum. The purchaser will also be required to make a single payment of £200 (regardless of the number of mine entries being conveyed), including VAT, towards the Authority's legal and other costs.

I agree to the terms and conditions set out by the Coal Authority in relation to:

Site Location.....Silkstone.....WWTW.....

Signed: L. White..... Date: 01/3/2011.....

(Please print clearly) E-mail:.....Lisa.white@yorkshirewater.co.uk.....

Name: LISA WHITE..... Telephone: 07790617429.....

Position: PROJECT MANAGER.....

For and on behalf of.....BYZAK ENTEC / YORKSHIRE WATER.....

Please return this completed terms and conditions agreement to:

The Coal Authority, Licensing & Permits Office, 200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG or e-mail it to permissions@coal.gov.uk

THE COAL AUTHORITY,
DX 716176 MANSFIELD 5

Person dealing with this matter: **Darren Moody**
Our reference: **00013539-11**
Your reference: **5907**
Electronic Ref:
RRUID: **007.00029896940001**
Date of your enquiry: **03 March 2011**
Date we received your enquiry: **03 March 2011**
Date of issue: **08 March 2011**

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

Non-Residential Coal and Brine Report
Silkstone Wwtw, Silkstone, Barnsley, West Yorkshire

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	Yes
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 2 seams of coal at 40m to 90m depth, and last worked in 1972.

Any ground movement from these coal workings should have stopped by now.

In addition the property is in an area where the Coal Authority believe there is coal at or close to the surface. This coal may have been worked at some time in the past.

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 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

There are no known coal mine entries within, or within 20 metres of, the boundary of the property.

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

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

The Coal Authority has not received a damage notice or claim for the property since 1 January 1984. 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.

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 not 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 not in an area for which a notice of entitlement to withdraw support has been published.

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

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 report is compliant with Home Information Pack requirements.

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Location map



Approximate
position
of property

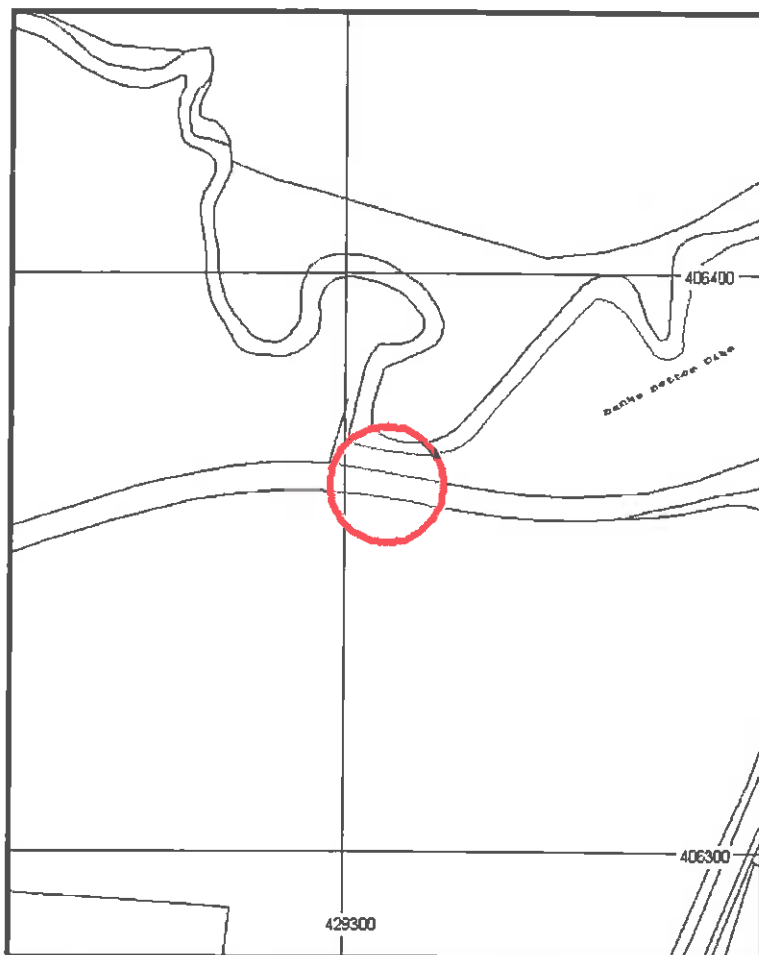


Enquiry boundary

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Key

Approximate position of enquiry boundary shown





CLOSURE SUMMARY FORM – PERMIT 5907

PERMISSION TO ENTER OR DISTURB COAL AUTHORITY MINING INTERESTS

Applicant: Yorkshire Water Livingstone House Chadwick street Leeds LS10 1LJ	Site Location: Silkstone WWTW Silkstone Barnsley West Yorkshire
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Within 90 days of site operations finishing, this form must be completed and returned to the Coal Authority **together with a completion/validation report** detailing the work which was carried out to our property.

The attached completion report should include: *number of boreholes; grout takes, treatments and stabilisation works carried out in relation to mine workings or mine entries (including engineering drawings); a scaled site layout plan (correlated to O.S National Grid) showing the relevant mine entry positions, voids and broken ground proved by the works, et al.*

On what date did operations commence?	
On what date did operations finish?	

Risk Factor	Factors	Comments					
Mine Gas Monitoring	What gases were found during the works? (Include maximum readings / flow rates/ barometric pressure)	Carbon Monoxide (CO)	Methane (CH4)	Carbon Dioxide (CO2)	Oxygen (O2)	Other gases (Please specify)	None
	Where were the gases found?	Drill Rig	On-site Buildings	Off-site buildings	Monitoring Points	Other locations (please specify)	

Risk Factor	Factors	Yes	No	Comments
Spontaneous Combustion	Was spontaneous combustion found or created during the works?			If yes, provide the circumstance details together with any relevant treatment information.
Mine Water	Was mine water encountered during the works?			
Collapse of shallow mine workings or mine entries	Did any mine workings or mine entries collapse during the work activities?			

Signed.....	Date
Print Name	Position
E-mail	Tel No

In order for this file to be closed please send this closure form together with the completion report to:
The Coal Authority, Licensing & Permits Office, 200 Lichfield Lane, Mansfield, Nottinghamshire, NG18 4RG
 or e-mail it to permissions@coal.gov.uk