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Asiantaeth yr
Amgylchedd Cymru
Environment
Agency Wales

The Chief Executive
The Coal Authority
200 Lichfield Lane
Mansfield
Nottinghamshire
NG18 4RG

Ein cyf/Our ref: BP0348101
Eich cyf/Your ref:

Dyddiad/Date: 4 January 2006

Dear Sir/madam

WATER RESOURCES ACT 1991, SCHEDULE 10 (AS AMENDED BY THE ENVIRONMENT ACT 1995) APPLICATION TO DISCHARGE TREATED ABANDONED MINEWATER EFFLUENT BY THE CHIEF EXECUTIVE FROM TAN Y GARN TREATMENT SYSTEM, GARNSWLLT, AMMANFORD.

APPLICATION NO: BP0348101

Further to your application the Agency has decided that consent should be given subject to conditions. I enclose the Agency's formal consent to discharge treated abandoned minewater effluent from Tan Y Garn Treatment System, Garnswllt, Ammanford.

Under the present Scheme of Charges for Discharges to Controlled Waters an annual charge will be made for all consents to discharge, except where the discharge is of sewage effluent of five cubic metres or less per day. The charge is based on information derived from the conditions attached to the consent to discharge, as outlined in the enclosed leaflet.

If you consider that the conditions imposed by the consent are unreasonable you have a right of appeal to the National Assembly for Wales at Cathays Park, Cardiff CF10 3NQ.

Notice of an appeal must be given in writing within three months of this notification and must be accompanied by a statement of the grounds of appeal.

If granted, a consent under Schedule 10 of the Act, covers water quality considerations only. It does not alter the need to obtain any other consents or approvals which might be required in connection with your proposal under other legislation. For example it does not give any right or permission to discharge where land is not owned by the applicant.

Please take careful note that if the holder of the consent changes, you must inform the Agency IN WRITING as soon as possible of the name of the new holder. This is to ensure that the rights and charges associated with the Consent are transferred to the new holder. We will send you a Certificate of Holder notice shortly.

If you have any queries regarding the enforcement of this consent, please do not hesitate to contact Alan Jones, Team Leader Environment Management, Maes Newydd, Llandarcy, Neath Port Talbot SA10 6JQ.

Yours faithfully

LISA KNIGHT
Authorisations Officer

Llinell uniongyrchol/Direct dial 01792 3255
Ffacs uniongyrchol/Direct fax 01792 325530

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CONSENT NO.	BP0348101
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WATER RESOURCES ACT 1991

SECTION 88 - SCHEDULE 10

(AS AMENDED BY THE ENVIRONMENT ACT 1995)

CONSENT TO DISCHARGE

TO: The Chief Executive
The Coal Authority
200 Lichfield Lane
Mansfield
Nottinghamshire NG18 4RG

The **ENVIRONMENT AGENCY** ("The Agency") in pursuance of its powers under the Water Resources Act 1991 **HEREBY CONSENTS** to the making of a discharge of **OTHER MATTER** as follows:-

Treated Abandoned Minewater

FROM: Tan y Garn Treatment System

AT: Garnswllt, Ammanford

TO: Afon Cathan

SUBJECT TO the conditions set out in the following schedule:

Treated Abandoned Minewater: Schedule No. BP0348101 01

Subject to the provisions of Paragraphs 7 and 8 of Schedule 10 of the Water Resources Act 1991, no notice shall be served by the Agency, altering this consent without the agreement in writing of the Consent Holder, during a period of 4 years from the date this consent takes effect.

This consent is issued and takes effect on the 30th day of December 2005

Signed
Team Leader Regulatory Water Quality

Asiantaeth yr Amgylchedd Cymru

"Maes Newydd" Llandarsi, Nedd Port Talbot, SA10 6JQ
Ffon: 01792 325500 Ffacs: 01792 325511

Environment Agency Wales

"Maes Newydd", Llandarcy, Neath Port Talbot, SA10 6JQ
Tel: 01792 325500 Fax: 01792 325511

CONSENT NO.	BP0348101
SCHEDULE NO.	BP0348101 01
DATE ISSUED	30 December 2005

CONDITIONS OF CONSENT TO DISCHARGE

Treated Abandoned Minewater Effluent ("the Discharge")

FROM: Tan y Garn Minewater Treatment System

1. (a) The Discharge shall not contain any poisonous, noxious or polluting matter or solid waste matter.
- (b) Provided that the Discharge hereby consented is made in accordance with the following conditions of this consent, such discharge shall not be taken to be in breach of condition (a) above by reason of containing substances or having properties identified in and controlled by these conditions.

NATURE

2. The Discharge shall consist solely of Treated Abandoned Minewater from Tan y Garn Minewater Treatment Scheme.

LOCATION

3. The Discharge shall be made in the manner and at the place specified as:
 - (a) discharging via 1000mm pipe;
 - (b) discharging to Afon Cathan;
 - (c) at National Grid Reference SN 6301 0979;
 - (d) shown marked 'Consent Point' on Plan BP0348101 attached as Annex 2.

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SAMPLE POINT

4. The outlet to the watercourse shall be constructed, maintained and appropriately labelled so that a representative sample of the Discharge may be obtained at National Grid Reference SN6301 0979 as shown marked 'Consent Point' on Plan BP0348101.

VOLUME

5. The volume of the Discharge shall not exceed 345.6 cubic metres per day.
6. A flow measurement structure shall be provided and maintained to enable the daily flow rate of the Discharge to be measured or determined as required.

COMPOSITION

7. The Discharge shall not have a pH value less than 6.0 nor greater than 9.0 pH Units.
8. The effluent treatment facility shall be maintained in an efficient operational manner at all times.
9. As far as is reasonably practicable, the site shall be operated so as to prevent:
 - (a) any matter being present in the Discharge, other than matter specifically covered by numerical conditions in this consent, to such an extent as to cause the receiving waters, or any waters of which the receiving waters are a tributary, to be poisonous or injurious to fish in those waters, or to the spawning grounds, spawn or food of fish in those waters, or otherwise cause damage to the ecology of those waters; and
 - (b) the Discharge from having any other adverse environmental impact.

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MAINTENANCE

10. The treatment system shall be operated and maintained in accordance with good operational practice such that:

For the Settlement Lagoons:

- (a) all settlement lagoons shall be desludged at sufficient frequency and in such a manner to prevent excessive carryover of suspended solids.

for the Reedbed:

- (b) ensure effective and even distribution of the minewater feed;
- (c) the minewater flow does not by-pass or short circuit within the Reedbed;
- (d) the discharge is collected and discharged at a single point;
- (e) the reedbed shall be maintained to prevent excessive weed growth;
- (f) the influent and effluent pipes shall be maintained in an efficient operational condition so as to minimise the probability of blockages or other failures;

RECORDING AND REPORTING

- 11. The Consent Holder shall establish and operate a documented maintenance programme and record all non-routine actions undertaken that may have adversely affected effluent quality. Copies of the programme shall be made available for inspection by the Agency's Officers on request.
- 12. The Consent Holder shall supply the Agency with an annual written report confirming operation of the maintenance programme.
- 13. The Consent Holder shall, as soon as reasonably practicable, report all non-routine actions that may have adversely affected effluent quality.

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14. The Consent Holder shall carry out the monitoring programme, attached as Annex 1, reporting as specified therein.
15. The Consent Holder shall report the results of the monitoring programme in the format and frequency as already agreed in writing with the Agency.

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ANNEX 1

MONITORING PROGRAMME

SAMPLE POINT

- (i) SN6301 0979 as shown marked 'Consent Point' on Plan **BP0310101** in Annex 2.

CHEMICAL DETERMINANDS AND FREQUENCIES

- (i) pH, as pH units
- (ii) Suspended solids @ 105°C
- (iii) Conductivity @ 20°C
- (iv) Calcium as Hardness Calcium
- (v) Magnesium as Hardness Magnesium
- (vi) Sodium as Na
- (vii) Potassium as K
- (viii) Chloride as Cl
- (ix) Bicarbonate
- (x) Ammonia as N
- (xi) Aluminium, total as Al (Microgrammes per litre);
- (xii) Iron, total as Fe (Microgrammes per litre);
- (xiii) Iron, dissolved as Fe (Microgrammes per litre);
- (xiv) Manganese, total as Mn (Microgrammes per litre);
- (xv) Manganese, dissolved as Mn (Microgrammes per litre);
- (xvi) Sulphate, total as SO₄ (Microgrammes per litre)

The determinands listed above will be sampled monthly. Samples should only be taken under 'normal' operating conditions i.e. not during maintenance or emergency. The results of the monitoring shall be submitted to the Agency after a period of 12 months and 24 months.

A UKAS accredited laboratory shall be used in the analysis of the above determinands.

Plan BP0348101
 Tan y Garn Minewater Treatment System
 Garnswllt, Ammanford

