

Notes (see also the notes attached to the main form):

- a) For direct trade effluent discharges, full details of the type of the effluent are required (eg. cooling water from air conditioning units), along with typical analytical details and the results of any toxicity studies on the effluent or its constituents. In certain circumstances the Agency may require that specific samples be taken and tests and analysis carried out. The Agency is empowered to recover any costs incurred as a result of special studies.*
- b) Possible sources of contamination include oil/chemical storage areas, vehicle loading/unloading areas, heavy vehicle parking areas and oil/petrol filling points. Any other potential sources of contamination should be detailed.*
- c) Where discharges of trade effluent take place to a sewerage system, as covered by this application, please give details of all authorised discharges of substances listed in table 8 overleaf.*

PLEASE ASK FOR FURTHER DOCUMENT.

Water Resources Act 1991
as amended by the Environment Act 1995
Consent to Discharge
Certificate of Holder



**ENVIRONMENT
AGENCY**

Part A

To: NEATH PORT TALBOT COUNTY BOROUGH COUNCIL
DIRECTOR OF DEVELOPMENT AND
CONSUMER SERVICES
CIVIC CENTRE
NEATH SA11 3QZ



NB: For a body corporate the job title is a point of contact.
Holder Start Date: 04-SEP-98

The Environment Agency ("the Agency") hereby confirm that the above named person is a/the registered holder of consent BP0267801 Consent Issued: 04-SEP-98

Nature of Discharge(s); TRADE EFF/TREATED EFF/CONTINUOUS
at
YNYSARWED ABANDONED MINEWATER TREATMENT WORKS

Note: This certificate should be kept with the consent document for future reference. If you transfer responsibility for the discharge to somebody else you must pass the consent to them and tell the Agency within 21 days. **Responsibility for the consent cannot be disclaimed by the holder but the registration of holder may be transferred to a successor.** To do this please complete the form below, then tear it off and return it to the address shown. If you fail to transfer the consent, even though you are no longer on the site, you may still be liable for prosecution for pollution. If you transfer the consent but do not tell us, you will be committing an offence. In case of any queries please contact your local Environment Agency office.

Part B Please complete in block capitals or type.

To:

Water Resources Act 1991: Notice of transfer of consent to discharge

Consent: BP0267801
Consent Issued: 04-SEP-98

Name: NEATH PORT TALBOT COUNTY BOROUGH COUNCIL
Address: DIRECTOR OF DEVELOPMENT AND
CONSUMER SERVICES
CIVIC CENTRE
NEATH SA11 3QZ

I/We hereby serve notice on the Agency that I/we am/are no longer a/the Holder of the above consent which will be/was transferred to: * delete as appropriate

Name(s) of new holder(s):

Address:

Post Code:

Date of Transfer to new Holder(s):

Signed:

Dated:

Name (block capitals):

Position:



Eich cyf/Your ref.
Ein cyf/Our ref. 2/EQ/BP0267801/HJH/PC



ASiantaeth Yr
AMGYLCHEDD CYMRU
ENVIRONMENT
AGENCY WALES

Dyddiad/Date: Date as postmark

The Director of Development & Consumer Services
Neath Port Talbot County Borough Council
Civic Centre
NEATH
SA11 3QZ

Dear Sir/Madam

**RE: WATER RESOURCES ACT 1991 SECTION 88 SCHEDULE 10 (AS AMENDED
BY THE ENVIRONMENT ACT 1995)
APPLICATION FOR CONSENT TO DISCHARGE AT YNYSARWED, NEATH
APPLICATION NO. BP0267801**

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) from Ynysarwed Abandoned Minewater Treatment Works.

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 Secretary of State for Wales at the Welsh Office, Cathays Park, Cardiff, CF1 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.

Cont/d

Asiantaeth yr Amgylchedd
Llys Afon, Hawthorn Rise, Hwlfordd, Sir Benfro, SA61 2BQ
Ffon 01437 760081, Ffacs 01437 760881

Environment Agency
Llys Afon, Hawthorn Rise, Haverfordwest, Pembrokeshire, SA61 2BQ
Tel 01437 760081, Fax 01437 760881



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. A Certificate of Holder notice will be sent to you shortly which is designed for this purpose, and should be kept safely with the Consent until required.

Yours faithfully


PETER WILKINSON
Area Environment Planning Manager

Enc.

Please ask for: Mr Andy Phillips

Asiantaeth yr Amgylchedd
Llys Afon, Hawthorn Rise, Hwlfordd, Sir Benfro, SA61 2BQ
Ffon 01437 760081, Ffacs 01437 760881

Environment Agency
Llys Afon, Hawthorn Rise, Haverfordwest, Pembrokeshire, SA61 2BQ
Tel 01437 760081, Fax 01437 760881

CONSENT NO.

BP0267801



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WATER RESOURCES ACT 1991

SECTION 88 - SCHEDULE 10

(AS AMENDED BY THE ENVIRONMENT ACT 1995)

CONSENT TO DISCHARGE

TO: The Director of Development & Consumer Services
Neath Port Talbot County Borough Council
Civic Centre, NEATH
SA11 3QZ

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 EFFLUENT**, as follows:

Treated Abandoned Minewater

FROM: Ynysarwed Abandoned Minewater Treatment Works

AT: Ynysarwed, Neath

TO: The Neath Canal

SUBJECT TO the conditions set out in the following schedule(s):

Treated Abandoned Minewater

Schedule No. BP0267801 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 4th day of September 1998

Signed *P. Wilkinson*
Area Environment Planning Manager

Asiantaeth yr Amgylchedd
Glan Tawe, 154 Ffordd Sant Helen, Abertawe SA1 4DF
Ffon 01792 645300, Ffacs 01792 648652

Environment Agency
Glan Tawe, 154 St Helens Road, Swansea
Tel 01792 645300, Fax 01792 648652



CONSENT NO.	BP0267801
SCHEDULE NO.	BP0267801 01
DATE ISSUED	4th September 1998



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CONDITIONS OF CONSENT TO DISCHARGE

Treated Abandoned Minewater ("the Discharge")

FROM: Ynysarwed Abandoned Minewater Treatment Works

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 effluent which has been subjected to the following treatment processes :
lime dosing and physical settlement aided by addition of anionic polyelectrolyte.

LOCATION

3. The Discharge shall be made in the manner and at the place specified as:
 - (a) discharging via a pipe;
 - (b) discharging to the Neath Canal;
 - (c) at National Grid Reference SN 8080 0175;
 - (d) shown marked 'Consent Point' on Plan BP0267801 attached as Annex 2.



CONSENT NO.	BP0267801
SCHEDULE NO.	BP0267801 01



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SAMPLE POINT

4. Appropriately labelled sample points shall be provided by the start of discharge and maintained at National Grid Reference
- (a) SN8081 0175, as shown marked '**Influent Sample Point**' on Plan BP0267801, so that a representative sample of the untreated influent may be obtained. The discharger shall ensure that all constituents of the untreated influent pass through the said sampling point at all times and in any legal proceedings it shall, for the purposes of Section 10 of the Rivers (Prevention of Pollution) Act 1961, be presumed, until the contrary is shown that any sample of the untreated influent taken at the said sampling point is a sample of what was entering the minewater treatment works.
- (b) SN8081 0174, as shown marked '**Effluent Sample Point**' on Plan BP0267801, so that a representative sample of the Discharge may be obtained. The discharger shall ensure that all constituents of the Discharge pass through the said sampling point at all times and in any legal proceedings it shall, for the purposes of Section 10 of the Rivers (Prevention of Pollution) Act 1961, be presumed, until the contrary is shown that any sample of the Discharge taken at the said sampling point is a sample of what was discharging into controlled waters.

VOLUME

5. The volume of the Discharge shall not exceed 3110 cubic metres per day.
6. The rate of discharge shall not exceed 36 litres per second.
7. Flow measurement structure(s) shall be provided by start of discharge and maintained to enable the daily volume and instantaneous flow rate of the Discharge to be measured or determined as required.



CONSENT NO.	BP0267801
SCHEDULE NO.	BP0267801 01



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MAINTENANCE

8. The works shall be operated and maintained in accordance with good operational practice such that:
 - (a) it complies with the treatment plant design criteria, as submitted within the discharge consent application, with particular regard to the quality of the discharge so as to maintain, as far as is reasonably practicable;
 - (i) a pH value of not less than 6 nor greater than 9 pH units
 - (ii) a dissolved iron concentration, of no greater than 10 milligrammes per litre, expressed as a 95 percentile
 - (b) it remains fully operational except at times of unavoidable mechanical or electrical breakdown which shall be attended to, and the Agency informed of the failure, as soon as practicable.
 - (c) following a failure all equipment shall be returned to normal operation as soon as practicable;
 - (d) tanks shall be desludged at sufficient frequency and in such a manner to prevent excessive carryover of suspended solids.
 - (e) On request the discharger shall supply the Agency with a written report on the maintenance and all non-routine actions undertaken.
9.
 - (a) The discharger shall maintain the influent and effluent pipes in an efficient operational condition, so as to minimise the probability of blockages or other failures, and shall implement periodic inspections of the integrity and performance of the pipes.
 - (b) On request the discharger shall supply the Agency with a written report on the maintenance and all non-routine actions undertaken.

RECORDING AND REPORTING

10.
 - (a) The discharger 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 at all reasonable times.
 - (b) The discharger shall supply the Agency with an annual written report confirming the operation of the maintenance programme.
 - (c) The operator shall as soon as reasonably practicable report all non-routine actions that may have adversely affected effluent quality.



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11. The discharger shall notify the Agency in writing if any known introduction or material change, occurs that may increase or introduce into the effluent any "dangerous substance" included on Lists I, II or Red List (set out in Annex 1 to this consent as updated by the Agency from time to time, and notified to the discharger in writing), or any other substance considered by the discharger as having or likely to have a significant effect on the receiving waters.
12. A telemetry alarm system connected to a 24 hour response system shall be provided and maintained to provide a notification of failure or breakdown of the treatment unit.
13. The discharger shall carry out the monitoring programme as detailed in Annex 3.
14. The discharger shall report the results of the monitoring programme detailed in Annex 3 to the Agency every 3 months in a format to be agreed with the Agency.

OTHER

15. Emergency storage capacity, equivalent to a total of at least 170 cubic metres, shall be provided in the treatment works.
16. As far as is reasonably practicable, the works shall be operated so as to prevent:
 - (a) any matter being present in the Discharge 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.

START DATE

16. There shall be no discharge under the terms of this consent until the start of commissioning of the treatment works. The discharger shall give the Agency at least 28 days written notice before making the Discharge.



CONSENT NO.	BP0267801
SCHEDULE NO.	BP026780101

ANNEX 1

- | | |
|--|------------------------------|
| 1. Mercury and its compounds | 2. Cadmium and its compounds |
| 3. Hexachlorocyclohexane
(lindane and related compounds) | 4. Carbon tetrachloride |
| 5. DDT (the isomers of 1,1,1-trichloro-2,2 bis(p-chlorophenyl) ethane) | |
| 6. Pentachlorophenol (PCP) | 7. Aldrin |
| 8. Dieldrin | 9. Endrin |
| 10. Isodrin | 11. Hexachlorobenzene (HCB) |
| 12. Hexachlorobutadiene (HCBd) | 13. Chloroform |
| 14. Polychlorinated biphenyls | 15. Dichlorvos |
| 16. 1,2-Dichloroethane | 17. Trichlorobenzene |
| 18. Atrazine | 19. Simazine |
| 20. Tributyltin compounds | 21. Triphenyltin compounds |
| 22. Trifluralin | 23. Fenitrothion |
| 24. Azinphos-methyl | 25. Malathion |
| 26. Endosulfan | 27. Lead |
| 28. Chromium | 29. Zinc |
| 30. Copper | 31. Nickel |
| 32. Arsenic | 33. *Iron |
| 34. *pH outside range 5.5 to 9.0 | 35. *Boron |
| 36. Vanadium | 37. PCSD'S |
| 38. Cyfluthrin | 39. Sulcofuron |
| 40. Flucifuron | 41. Permethrin |
| 42. 4-Chloro-3-methyl-phenol | 43. 2-Chlorophenol |
| 44. 2,4-Dichlorophenol | 45. 2,4-D (ester) |
| 46. 2,4-D (non ester) | 47. 1,1,1-Trichloroethane |
| 48. 1,1,2-Trichloroethane | 49. Bentazone |
| 50. Benzene | 51. Biphenyl |
| 52. Chloronitrotoluenes | 53. Demeton |
| 54. Dimethoate | 55. Linuron |
| 56. MCPA | 57. Mecoprop |
| 58. Mevinphos | 59. Napthalene |
| 60. Omethoate | 61. Toluene |
| 62. Triazophos | 63. Xylene |
| 64. Cyanide | 65. Azinphos-ethyl |
| 66. Fenthion | 67. Parathion |
| 68. Parathion-methyl | 69. Trichloroethylene |
| 70. Tetrachloroethylene | 71. Dioxins |
| 72. PAHs | 73. Nonyl phenol |
| 74. Nonyl phenyl ethoxylate | 75. Di-ethylhexyl phthalate |
| 76. Bisphenol-A | 77. Diazinon |
| 78. Chlorfenvinphos | 79. Chlorotoluron |
| 80. Isoproturon | 81. Diuron |
| 82. Propetamphos | 83. Flumethrin |
| 84. Amitraz | 85. High-Cis Cypermethrin |
| 86. Cyromazine | 87. Deltamethrin |
| 88. Cypermethrin | |

This list is applicable as at 1 December 1998 and will be updated as and when changes to the relevant legislative requirements occur.

*Notification to the Agency by the Consent holder is only required in respect of changes to trade effluents likely to cause significant changes to the pH value, and/or iron or boron concentrations, of the crude sewage.

CONSENT NO.	BP0267801
SCHEDULE NO.	BP0267801 01



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ANNEX 3

Monitoring Programme

A) SAMPLE POINTS

- i) SN8081 0175, as shown marked '**Influent Sample Point**' on Plan BP0267801
- ii) SN8081 0174, as shown marked '**Effluent Sample Point**' on Plan BP0267801

B) CHEMICAL DETERMINANDS AND FREQUENCIES

- i) Dissolved and Total Iron (milligrammes per litre) - weekly for first 6 months of treatment plant operation, thereafter monthly
- ii) pH - monthly
- iii) Suspended Solids (milligrammes per litre) - weekly for first 6 months of treatment plant operation, thereafter monthly

C) FLOW

- i) Flow rate (litres per second) - weekly