

NATIONAL RIVERS AUTHORITY WATER RESOURCES ACT 1991

Application for consent to discharge
Schedule 10



The Consents Officer,
National Rivers Authority,
Welsh Region,
Plas-yr-Afon / Rivers House,
St Mellons Business Park,
Cardiff,
CF3 0LT

Official Use Only
Dist/Area Ref. South West

Application No. BP0233301

Date Received:
6/5/94

PLEASE REFER TO THE ATTACHED NOTES WHEN COMPLETING THE APPLICATION

I/We hereby apply for consent under the provisions of the Water Resources Act 1991 to make a discharge of effluent as described in this application and on the attached plan(s). I/We will bear the costs of any advertisement (see note 1).

I/We enclose a cheque for £592.20 to cover the cost of this application (see note 2).

Signed S. R. Chaffe Date 5TH MAY 1994

Authorised on behalf of ALFRED McALPINE QUARRY PRODUCTS LIMITED

Have you made, or do you intend to make, an application to the Secretary of State for exemption from publicity? (See note 3.) YES/NO*

Has this application been made in response to the service of a relevant prohibition? YES/NO*

If yes please give reference number: N/A

1a Full name and postal address of applicant. (See note 4.) Post Code: Daytime telephone number:	8 SUFFOLK STREET, (10693) LONDON. SW1Y 4HG.
1b Agent (if any) Full name and postal address Contact name and daytime telephone number	S. R. CHAFFE. ALFRED McALPINE QUARRY PRODUCTS LIMITED, BORRAS AIRFIELD, HOLT ROAD, WREXHAM, CLWYD, LL13 9SE. (0978) 351921. Note: if this box is completed, all correspondence will be sent to this address.

NOTE: The application should be accompanied by 3 copies of an adequate plan and details of any environmental impact assessment. Failure to do so may result in a delay in processing the application. (See note 5.)

*Delete as necessary

2a) Address or other sufficient description of land or premises to which this application relates. (133453) P106	TORCOEDFAWR QUARRY, CRWBIN, KIDWELLY, CARMARTHEN, DYFED.			
2b) National Grid Reference of point of discharge.	S N	4 8 0 6 1 3 8 1		
2c) District Council area.	CARMARTHEN.			
3 State the nature of the discharge. Tick one or more boxes as appropriate. (See note 6.)	Sewage effluent ☐ Storm/emergency sewage effluent ☐ Trade effluent ☒ Any other matter (inc. surface water). ☐			
4 For sewage and trade effluent, and storm/emergency discharges, state:- a) Maximum quantity it is proposed to discharge in one day. (See note 7.) b) Highest rate at which it is proposed to operate the discharge. c) Periods during which the discharge will take place.	DEPENDENT UPON RAINFALL. m^3/day 11. l/sec DEPENDENT UPON RAINFALL.			
5 For rainfall dependent discharges, state the area to be drained. (Roof areas and other impervious areas should be separately identified.)	AREAS A+B+C = 219,950. m^2			
6 Receiving medium Tick the category to which the proposed discharge(s) are to be made. <table border="0" style="width: 100%;"> <tr> <td style="width: 50%;"> TIDAL RIVER OR STREAM ☐ NON-TIDAL RIVER OR STREAM ☒ CANAL ☐ LAKE, LOCH OR POND ☐ (not discharging to a river or stream) </td> <td style="width: 50%;"> INTO LAND ☐ ONTO LAND ☐ DIRECTLY INTO GROUNDWATER ☐ INTO LAND AND WATERCOURSE ☐ COASTAL WATER (see Note 8.) ☐ </td> </tr> </table> State name of watercourse, if known:- GWENDRAETH FACH.			TIDAL RIVER OR STREAM ☐ NON-TIDAL RIVER OR STREAM ☒ CANAL ☐ LAKE, LOCH OR POND ☐ (not discharging to a river or stream)	INTO LAND ☐ ONTO LAND ☐ DIRECTLY INTO GROUNDWATER ☐ INTO LAND AND WATERCOURSE ☐ COASTAL WATER (see Note 8.) ☐
TIDAL RIVER OR STREAM ☐ NON-TIDAL RIVER OR STREAM ☒ CANAL ☐ LAKE, LOCH OR POND ☐ (not discharging to a river or stream)	INTO LAND ☐ ONTO LAND ☐ DIRECTLY INTO GROUNDWATER ☐ INTO LAND AND WATERCOURSE ☐ COASTAL WATER (see Note 8.) ☐			

7 The Authority will normally require adequate provision for the taking of samples of the discharge. Please indicate the means proposed. (See note 9.)

At the outlet ☒ At a manhole or sampling chamber ☐ See plan ☐ Other ☐

If other, please give further details:- N/A.

8 Indicate proposed means of discharge:-

1. Pipe ☒ 2. Channel ☐ 3. Borehole ☐
4. Soakaway ☐ 5. Well ☐ 6. Sub-irrigation system ☐
7. Culvert ☐ 8. Soakaway & sub-irrigation system ☐ 9. Other ☐

If 9 please give further details:- N/A.

9 Give details as appropriate

a) For pipes, channels, wells and boreholes, state diameter in millimetres or dimension(s) in metres.

a) 457 mm.

b) For sub-irrigation systems, soakaway pits, wells and boreholes, state depth in metres and geological stratum, if known.

b) N/A.

c) For boreholes, state details of lining:

c) N/A.

Type of lining

: metres

Depth of lining

: metres

Depth of perforated lining

: metres

Depth of unperforated lining

: metres

10 Is there a foul sewer available to which the discharge could be made?

YES/NO*

If yes give reason for not connecting.

: N/A.

Distance from nearest foul sewer.

: N/A.

11 Give brief details of:

a) Source of water supply (eg mains, well, borehole, etc.)

a) SURFACE WATER RUN-OFF.

b) General purpose for which water is used (eg domestic, cooling, etc.)

b) N/A.

*Delete as necessary

12	Is consent required for a limited period? If yes give relevant dates	YES/NO* : N/A.
13	On what date do you anticipate the discharge will begin to be made?	EXISTING SURFACE WATER RUN-OFF.
14	Does this proposal replace an existing discharge? If yes give details	YES/NO * : N/A.
15	Are there any existing consents for discharge from the premises? (see note 10.) If yes, give details, numbers, if known.	YES/NO * : N/A.
16	Please give details of the premises – tick as appropriate:–	
	1. Single dwelling ☐	2. Multiple dwellings ☐
	3. Licenced premises ☐	4. Vehicle parking area ☐
	5. Industrial premises ☐	6. Fish farm ☐
	7. Mineral workings ☒	8. WSPLC STW ☐
	9. Water supply ☐	10. Other ☐
	If other, please give further details. N/A.	
17	IN THE CASE OF SUB-IRRIGATION SYSTEMS AND SOAKAWAYS N/A.	
a)	Is any part of the system within 10 metres of the site boundary?	YES/NO*
b)	Is any part of the system within 10 metres of a watersource?	YES/NO*
c)	Is the land in which the disposal system is to be constructed under-drained with land drains discharging to a watercourse or to be so under-drained?	YES/NO*
d)	If the answer to either (b) or (c) is "YES" please state the name of the watercourse or sufficient information to identify it.	:
e)	Attach details of the percolation test carried out.	Attached
18	FOR SEWAGE TREATMENT PLANTS N/A.	
a)	State the population served/population equivalent/estimated population*	*All year *Summer *Winter
b)	Give details of the treatment plant to be used (see note 11.)	

*Delete as necessary

FOR TRADE EFFLUENT AND SEWAGE DISCHARGES
CONTAINING TRADE EFFLUENT

19 a) Describe the trade effluent and the process(es) from which it arises. (See note 12.)

SURFACE WATER RUN-OFF FROM EXISTING QUARRYING OPERATIONS DISCHARGED
FOLLOWING TREATMENT IN SETTLEMENT PONDS.

b) Maximum temperature of the effluent as discharged AMBIENT °C

c) Does the effluent contain any of the following? *YES/NO

If yes, underline those present and give full details (including maximum, minimum and mean values) separately.

- | | |
|--|--|
| 1. Aldrin, dieldrin, endrin and isodrin | 25. Iron |
| 2. Arsenic | 26. Lead |
| 3. Atrazine | 27. Malathion |
| 4. Azinphos-ethyl | 28. Mercury and its compounds |
| 5. Azinphos-methyl | 29. Nickel |
| 6. Boron | 30. Parathion |
| 7. Cadmium and its compound | 31. Parathion-methyl |
| 8. Carbon tetrachloride | 32. PCSD's |
| 9. Chloroform | 33. Pentachlorophenol (PCP) |
| 10. Chromium | 34. Perchloroethylene |
| 11. Copper | 35. Permethrin |
| 12. Cyanide | 36. pH if outside the range 5.5 to 9.0 |
| 13. Cyfluthrin | 37. Polychlorinated biphenyls |
| 14. DDT | 38. Simazine |
| 15. 1, 2-Dichloroethane | 39. Sulcofuron |
| 16. Dichlorvos | 40. Tetrachloroethylene |
| 17. Dioxins | 41. Tributyltin compounds |
| 18. Endosulfan | 42. Trichlorobenzene |
| 19. Fenitrothion | 43. Trichloroethane |
| 20. Fenthion | 44. Trichloroethylene |
| 21. Flucifuron | 45. Trifluralin |
| 22. Hexachlorobenzene (HCB) | 46. Triphenyltin compounds |
| 23. Hexachlorobutadiene (HCBD) | 47. Vanadium |
| 24. Hexachlorocyclohexane
(lindane and related compounds) | 48. Zinc |

d) Give full details of any other significant chemical components contained in the effluent:—

NONE.

20 FOR STORM AND EMERGENCY DISCHARGES AND SURFACE WATER SEWERS N/A.

State the type of discharge. Tick one or more boxes as appropriate.

Storm tanks	☐	Answer all except 23 & 26
Storm overflow from sewer	☐	Answer all except 23 & 26
Storm overflow from pumping station	☐	Answer all sections below
Emergency overflow from sewer	☐	Answer 20a, 21, 25, 27, 28
Emergency overflow from pumping station	☐	Answer all except 20b, 22
Surface Water	☐	Answer 25, 27
Other	☐	Answer as appropriate

If other, please give further details:-

21	a) State dry weather flow to pumping station/in sewer	:	m^3/day
	b) State flow at which storm discharge will commence	:	l/sec
22	Expected frequency of operation	:	per annum
23	State volume of storm tank(s).	:	m^3
24	State volume of wet well	:	m^3
25	What provisions have been made to raise alarms? (eg telemetry)		
26	What facilities have been provided to prevent the discharge of gross solids? (For screens, give bar spacing or aperture.)		
27	What provisions have been included to deal with a) power failure? b) mechanical breakdown? c) rising main failure?		
28	What facilities have been provided for flow measurements?		
29	Are there any other factors to be taken into account?		

Our ref: 2/EQ/BP0239301/ELT/JAR
Your ref:

Date: As postmark



Alfred McAlpine Minerals Limited
Borras Airfield
Holt Road
Wrexham
Clwyd
LL13 9SE

Dear Sir/Madam,

RE: WATER RESOURCES ACT 1991 SECTION 88 SCHEDULE 10
CONSENT TO DISCHARGE

Further to your application for the consent of the Authority to discharge under the provisions of Section 88 of the Water Resources Act 1991, I enclose the Authority's formal consent to discharge trade effluent from Torcoed Fawr Quarry, Crwbin, Kidwelly, Dyfed

Under the present Scheme of Charging 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. This charge is based on information derived from the conditions attached to the consent to discharge, as outlined in the enclosed leaflet. You will receive an annual bill in due course.

Where there is a change of ownership of the discharge, the Authority should be informed in writing in order that an apportioned charge may be raised.

This discharge consent is issued under the provisions of the Water Resources Act 1991. It does not relieve the person to whom it is granted from any obligation, statutory or otherwise, to obtain any other consent, licence or permission that may also be required for the proposal.

There should be no use of any polyelectrolyte or flocculant to assist settlement with the lagoon system at Torcoed Fawr Quarry without written approval from the NRA.

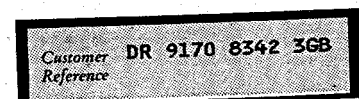
If you are not satisfied with the conditions of this consent you may appeal against the decision to the Secretary of State for Wales at the Welsh Office, Cathays Park, Cardiff CF1 3NQ.

Yours faithfully,

PP *H. J. Hughes*
S J BROWN

Area Environmental Quality Manager

Enc



Please ask for: Mrs Emma Taylor, Ext 136

Date Stamp

Officer's Signature

DR 9170 8342 3 GB

Sent To
Address
Postcode

Alfred Maltpine
Mineral, Ltd
Borras Airfield
Kelt Road,
Wrexham
Clwyd
LL13 9SE


Royal Mail

Recorded
for a signature on delivery

WATER RESOURCES ACT 1991

Consent No. BP0239301

Under Section 88 and Schedule 10 of the Water Resources Act 1991 and all other enabling powers the National Rivers Authority hereby gives this

C O N S E N T

Page 1 of 2

To : Alfred McAlpine Minerals Limited

Of : Borrass Airfield, Holt Road, Wrexham, Clwyd, LL13 9SE

For : A discharge of trade effluent

To : An unnamed tributary of the Gwendraeth Fach

From: Torcoed Fawr Quarry, Crwbin, Kidwelly, Dyfed

This Consent shall not be taken as providing a statutory defence against a charge of pollution in respect of any poisonous, noxious or polluting constituents not specified herein.

CONDITIONS OF CONSENT

1.(i) The discharge shall not contain any poisonous, noxious or polluting matter or solid waste matter.

(ii) 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 (i) above by reason of containing substances or having properties identified in and controlled by those conditions.

2. The discharge shall be made in the manner and at the place specified as follows:

Discharging via : a 457mm pipe

Discharging to : an unnamed tributary of the Gwendraeth Fach

At OS Grid Ref : SN 4806 1381

As shown marked : Consent Point A on the attached drawing/plan no. BP0239301

3. Adequate facilities, approved in writing by the Authority, shall be provided to enable representative samples of the discharge to be safely and conveniently obtained at any time at Sampling Point as shown marked "Sampling Point" on the attached drawing/plan No. BP0239301.

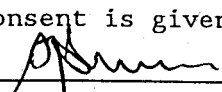
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WATER RESOURCES ACT 1991
Continuation Sheet

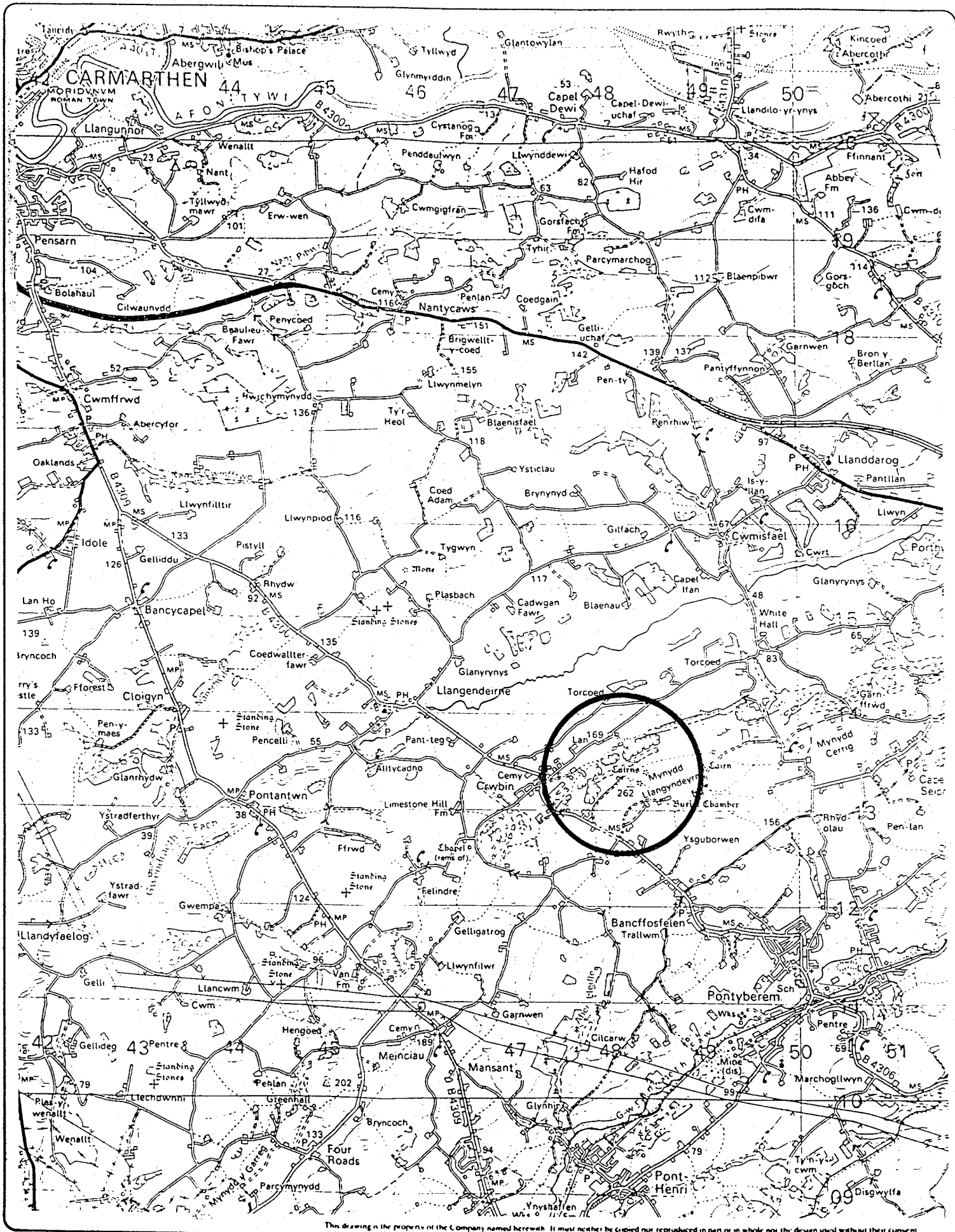
Consent No. BP0239301

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4. The maximum rate of flow of effluent discharged shall not exceed 35 litres per second.
5. The maximum volume of effluent discharged shall not exceed 3024 cubic metres per day.
6. Calibrated apparatus, approved in writing by the Authority, shall be provided and maintained in full working order, to permit the instantaneous rate of flow of effluent discharged to be measured accurately at any time.
7. Records shall be kept for at least two years of the total daily volumes and rates of discharge of the effluent. The records shall be made available to the Authority upon request.
8. Returns, in a form approved in writing by the Authority, shall be made at monthly intervals. The returns shall specify the maximum daily volume and the maximum rate of effluent discharged during the previous specified period.
9. The quality of the effluent discharged at all flow rates up to the maximum specified in condition 4 shall not be inferior to the following numerical limits:-
 - (i) The suspended solids concentration (dried at 105 degrees Celsius) shall not exceed 60 milligrammes per litre.
10. As far as reasonably practicable, the discharge shall be operated so as to prevent:
 - (a) any matter being present in the effluent, other than matter specifically covered by numerical conditions in this consent, to such an extent as to cause the receiving waters, or any water 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 effluent from having any adverse environmental impact.

This Consent is given on: 15th February 1995 on behalf of the Authority
by:  Area Environmental Quality Manager

During the period ending with the 14th February 1997 the terms of this Consent will not be altered without the written agreement of the person making the discharge.



This drawing is the property of the Company named herewith. It must neither be copied nor reproduced in part or in whole nor the design used without their consent.

Drawing No. AMQPL/110/03 Date MAY 84 Drawn CAR Scale 1:50000

Title

TORCOEDFAWR LOCATION PLAN

Alfred McAlpine Quarry Products Ltd

Borras Airfield, Holt Road, Wrexham



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



**ENVIRONMENT
AGENCY**

Part A

To: TARMAC HEAVY BUILDING MATERIALS UK LTD
THE DIRECTOR/COMPANY SECRETARY
MILLFIELDS ROAD
ETTINGSHALL
WOLVERHAMPTON WV4 6JP

NB: For a body corporate the job title is a point of contact.

The **Environment Agency** ("the Agency") hereby confirm that the above named person is a/the registered holder of consent **BP0239301** Consent Issued: 15-FEB-95

Nature of Discharge(s); **TRADE EFF/MINEWATER/CONTINUOUS**
at
TORCOED FAWR QUARRY, CRWBIN, KIDWELLY

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:	BP0239301	Name:	TARMAC HEAVY BUILDING MATERIALS UK LTD
Consent Issued:	15-FEB-95	Address:	THE DIRECTOR/COMPANY SECRETARY MILLFIELDS ROAD ETTINGSHALL WOLVERHAMPTON WV4 6JP

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:**