

# NATIONAL RIVERS AUTHORITY

## WATER ACT 1989

Application for consent to discharge  
Schedule 12



E & Q SERVICES  
 CONSENTS OFFICER  
 NRA WELSH REGION  
 RIVERS HOUSE  
 ST. MELLONS BUSINESS PARK  
 ST. MELLONS  
 CARDIFF  
 S. GLAMORGAN CF3 0LT



Official Use Only Dist/Area Ref.
Application No. Bp0223801
Date Received: 18/5/92

PLEASE REFER TO THE ATTACHED NOTES WHEN COMPLETING THE APPLICATION

I/We hereby apply for consent under the provisions of the Water Act 1989 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 £ 350 to cover the cost of this application (see note 2).

Signed ..... *[Signature]* ..... Date ..... 14/5/92 .....

Authorised on behalf of *Wotton Roadstone 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:

<p>1a Full name and postal address of applicant. (See note 4.)</p> <p>Post Code: Daytime telephone number:</p>	<p>Wotton Roadstone Limited, Wenvoe Quarry, Wenvoe, Cardiff. CX5 6XE (0222) 593378</p> <p style="text-align: right;">974 13 18 50</p>
<p>1b Agent (if any) Full name and postal address</p> <p>Contact name and daytime telephone number</p>	<p>RMC Roadstone Products Ltd., Geological Services Department, Long Lane, Attenborough, Nottingham. NG9 6BL</p> <p>Mr. H.C. Clough (0602) 221671</p> <p>Note: if this box is completed, all correspondence will be sent to this address.</p>

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

<p>2a) Address or other sufficient description of land or premises to which this application relates.</p>	<p>Blaen-y-fan Quarry, Pontantwn, Kidwelly, Dyfed. SA17 5LA</p>										
<p>2b) National Grid Reference of point of discharge.</p>	<p><input type="text" value="S"/> <input type="text" value="N"/>    <input type="text" value="4"/> <input type="text" value="5"/> <input type="text" value="9"/> <input type="text" value="5"/>    <input type="text" value="1"/> <input type="text" value="2"/> <input type="text" value="3"/> <input type="text" value="4"/></p>										
<p>2c) District Council area.</p>	<p>Carmarthen</p>										
<p>3 State the nature of the discharge. Tick one or more boxes as appropriate. (See note 6.)</p>	<p>Sewage effluent <input type="checkbox"/> Storm/emergency sewage effluent <input type="checkbox"/> Trade effluent <input checked="" type="checkbox"/> Any other matter (inc. surface water). <input type="checkbox"/></p>										
<p>4 For sewage and trade effluent, and storm/emergency discharges, state:-</p> <p>a) Maximum quantity it is proposed to discharge in one day. (See note 7.)</p> <p>b) Highest rate at which it is proposed to operate the discharge.</p> <p>c) Periods during which the discharge will take place.</p>	<p>Five Thousand <span style="float: right;">m<sup>3</sup>/day</span></p> <p>Sixty <span style="float: right;">l/sec</span></p> <p>Throughout the year</p>										
<p>5 For rainfall dependent discharges, state the area to be drained. (Roof areas and other impervious areas should be separately identified.)</p>	<p>Catchment Area of the quarry workings (see attached plan)</p> <p style="text-align: right;">m<sup>2</sup></p>										
<p>6 Receiving medium</p> <p>Tick the category to which the proposed discharge(s) are to be made.</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">TIDAL RIVER OR STREAM <input type="checkbox"/></td> <td style="width: 50%;">ONTO LAND <input type="checkbox"/></td> </tr> <tr> <td>NON-TIDAL RIVER OR STREAM <input checked="" type="checkbox"/></td> <td>DIRECTLY INTO GROUNDWATER <input type="checkbox"/></td> </tr> <tr> <td>CANAL <input type="checkbox"/></td> <td>INTO LAND AND WATERCOURSE <input type="checkbox"/></td> </tr> <tr> <td>LAKE, LOCH OR POND <input type="checkbox"/></td> <td>COASTAL WATER (see Note 8.) <input type="checkbox"/></td> </tr> <tr> <td>INTO LAND <input type="checkbox"/></td> <td></td> </tr> </table> <p>(not discharging to a river or stream)</p> <p>State name of watercourse, if known:-</p>		TIDAL RIVER OR STREAM <input type="checkbox"/>	ONTO LAND <input type="checkbox"/>	NON-TIDAL RIVER OR STREAM <input checked="" type="checkbox"/>	DIRECTLY INTO GROUNDWATER <input type="checkbox"/>	CANAL <input type="checkbox"/>	INTO LAND AND WATERCOURSE <input type="checkbox"/>	LAKE, LOCH OR POND <input type="checkbox"/>	COASTAL WATER (see Note 8.) <input type="checkbox"/>	INTO LAND <input type="checkbox"/>	
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INTO LAND <input type="checkbox"/>											

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  See plan  Other   
 sampling chamber

If other, please give further details:-

8 Indicate proposed means of discharge:-

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

If 9 please give further details:-

9 Give details as appropriate

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

a) 0.20m diameter buried pipeline (see attached plan for provisional route).

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

b)

c) For boreholes, state details of lining:

c)

Type of lining

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.

: Not applicable

11 Give brief details of:

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

a)

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

b)

\*Delete as necessary

<p>12 Is consent required for a limited period? If yes give relevant dates</p>	<p><del>YES</del>/NO* :</p>																				
<p>13 Does this proposal replace an existing discharge? If yes give details</p>	<p><del>YES</del>/NO* :</p>																				
<p>14 Are there any existing consents for discharge from the premises? (see note 10) If yes, give details, numbers, if known.</p>	<p><del>YES</del>/NO* :</p>																				
<p>15 Please give details of the premises – tick as appropriate:-</p> <table border="0"> <tr> <td>1. Single dwelling</td> <td><input type="checkbox"/></td> <td>2. Multiple dwellings</td> <td><input type="checkbox"/></td> </tr> <tr> <td>3. Licenced premises</td> <td><input type="checkbox"/></td> <td>4. Vehicle parking area</td> <td><input type="checkbox"/></td> </tr> <tr> <td>5. Industrial premises</td> <td><input type="checkbox"/></td> <td>6. Fish farm</td> <td><input type="checkbox"/></td> </tr> <tr> <td>7. Mineral workings</td> <td><input checked="" type="checkbox"/></td> <td>8. WSPLC STW</td> <td><input type="checkbox"/></td> </tr> <tr> <td>9. Water supply</td> <td><input type="checkbox"/></td> <td>10. Other</td> <td><input type="checkbox"/></td> </tr> </table> <p>If other, please give further details.</p>		1. Single dwelling	<input type="checkbox"/>	2. Multiple dwellings	<input type="checkbox"/>	3. Licenced premises	<input type="checkbox"/>	4. Vehicle parking area	<input type="checkbox"/>	5. Industrial premises	<input type="checkbox"/>	6. Fish farm	<input type="checkbox"/>	7. Mineral workings	<input checked="" type="checkbox"/>	8. WSPLC STW	<input type="checkbox"/>	9. Water supply	<input type="checkbox"/>	10. Other	<input type="checkbox"/>
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9. Water supply	<input type="checkbox"/>	10. Other	<input type="checkbox"/>																		
<p>16 IN THE CASE OF SUB-IRRIGATION SYSTEMS AND SOAKAWAYS</p>																					
<p>a) Is any part of the system within 10 metres of the site boundary?</p> <p>b) Is any part of the systems within 10 metres of a watercourse?</p> <p>c) Is the land in which the disposal system is to be constructed, to be under-drained with land drains discharging to a watercourse?</p> <p>d) If the answer to either (b) or (c) is "YES" please state the name of the watercourse or sufficient information to identify it.</p> <p>e) Has a percolation test been carried out? If yes, please attach results.</p>	<p>YES/NO*</p> <p>YES/NO*</p> <p>YES/NO*</p> <p>:</p> <p>YES/NO*</p>																				
<p>17 FOR SEWAGE TREATMENT PLANTS</p>																					
<p>a) State the population served/population equivalent/estimated population*</p> <p>b) Give details of the treatment plant to be used (see note 11)</p>	<p>*All year *Summer *Winter</p>																				

\*Delete as necessary

FOR TRADE EFFLUENT AND SEWAGE DISCHARGES  
CONTAINING TRADE EFFLUENT

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

See attached

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

c) Does the effluent contain any of the following? ~~XXXX~~ \*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. Flucofuron   | 45. Trifluralin                        |
| 22. Hexachlorobenzene (HCB)                                  | 46. Triphenyltin compounds             |
| 23. Hexachlorobutadiene (HCBd)                               | 47. Vanadium                           |
| 24. Hexachlorocyclohexane<br>(lindane and related compounds) | 48. Zinc                               |

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

19 FOR STORM AND EMERGENCY DISCHARGES AND SURFACE WATER SEWERS

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

- |   |                          |                            |
|---|--------------------------|----------------------------|
| Storm tanks                             | <input type="checkbox"/> | Answer all except 23 & 26  |
| Storm overflow from sewer               | <input type="checkbox"/> | Answer all except 23 & 26  |
| Storm overflow from pumping station     | <input type="checkbox"/> | Answer all sections below  |
| Emergency overflow from sewer           | <input type="checkbox"/> | Answer 20a, 21, 25, 27, 28 |
| Emergency overflow from pumping station | <input type="checkbox"/> | Answer all except 20b, 22  |
| Surface Water                           | <input type="checkbox"/> | Answer 20a                 |
| Other                                   | <input type="checkbox"/> | Answer as appropriate      |

If other, please give further details:--

<p>20</p> <p>a) State dry weather flow to pumping station/in sewer</p> <p>b) State flow at which storm discharge will commence</p>	<p>:</p> <p>:</p> <p><math>m^3/day</math></p> <p><math>l/sec</math></p>
<p>21 Expected frequency of operation</p>	<p>:</p> <p>per annum</p>
<p>22 State volume of storm tank(s).</p>	<p>:</p> <p><math>m^3</math></p>
<p>23 State volume of wet well</p>	<p>:</p> <p><math>m^3</math></p>
<p>24 What provisions have been made to raise alarms? (eg telemetry)</p>	
<p>25 What facilities have been provided to prevent the discharge of gross solids? (For screens, give bar spacing or aperture.)</p>	
<p>26 What provisions have been included to deal with</p> <p>a) power failure?</p> <p>b) mechanical breakdown?</p> <p>c) rising main failure?</p>	
<p>27 What facilities have been provided for flow measurements?</p>	
<p>28 Are there any other factors to be taken into account?</p>	

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



**ENVIRONMENT  
AGENCY**

**Part A**

To: RMC ROADSTONE LTD (SOUTH WALES)  
DIRECTOR/GENERAL MANAGER  
WENVOE QUARRY  
WENVOE  
CARDIFF CF5 6XE

The Environment Agency ("the Agency") hereby confirm that the above named person is a/the registered holder of consent BP0223801

Nature of Discharge(s); TRADE EFF/MINEWATER/CONTINUOUS  
at  
BLAEN-Y-FAN QUARRY, PONTANTWN, 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:

Name:

Address:

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: .....





*Awdod Afonydd Cenedlaethol*

Wotton Roadstone Limited  
Wenvoe Quarry  
Wenvoe  
Cardiff  
CX5 6XE



*National Rivers Authority  
Welsh Region*

Our Ref:  
2/EQ/BPO223801/NB/JAT

Enquiries:  
Norman Bunyan

Date  
1 December 1992

Dear Sirs,

Consent to Discharge of Effluent at Blaen-y-fan Quarry, Pontantwn

I enclose the Authority's Consent to Discharge of Effluent, Reg No. BPO223801 for your attention.

The consent contains the revised volume requested in your agent's letter of 25 November and the particulate solids standard has been relaxed accordingly. You should notify the NRA when the discharge commences. Can you please return the consent issued previously in error.

It will be necessary to ensure that the pumping activities do not exacerbate the flooding risk for Ivy Cottage, Wern Farm, Tryscyrch Mill Cottage at Felindre, Pontantwn.

With regard to the fishery and biological survey work which the NRA will undertake I will forward details to Mr W W T Robertson in due course.

Also enclosed are details of 6 consents for other quarries in the area together with consents for Llangendeyrne and Llanddarog STW's which discharge into the Gwendraeth Fach.

If there are any points you wish to discuss on the discharge consent then please do not hesitate to contact Mr N Bunyan at this office.

Yours faithfully

A handwritten signature in cursive script, appearing to read 'S J Brown'.

S J Brown  
Area Environmental Quality Manager

Recorded Delivery No: H006555

Prifolwr Cyffredinol Rhonbarthol  
Dr John Stoner  
Llys Afon  
Hawthorn Rise  
Hwlfordd  
Dyfed SA61 2BQ  
Ffôn: Hwlfordd (0437) 760081  
Ffacs: (0437) 760881

Regional General Manager  
Dr John Stoner  
Llys Afon  
Hawthorn Rise  
Haverfordwest  
Dyfed SA61 2BQ  
Tel: Haverfordwest (0437) 760081  
Fax: (0437) 760881



AAC

Awdurdod Afonydd Cenedlaethol  
Rhanbarth Cymru



NRA

National Rivers Authority  
Welsb Region

WATER RESOURCES ACT 1991

Consent No. BP0223801

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 : Wotton Roadstone Limited.

Of : Wenvoe Quarry, Wenvoe, Cardiff. CX5 6XE

For : A discharge of trade effluent

To : Nant Drysgeirch.

From: Blaen-y-fan Quarry, Pontantwn, Kidwelly, Dyfed SA17 5LA

CONDITIONS OF CONSENT

1. The discharge shall consist only of settled effluent consisting of quarry water comprising of rainfall and groundwater.
2. The discharge shall be made in the manner and at the place specified as follows:
  - Discharging via : a 200 mm pipe
  - Discharging to : Nant Drysgeirch
  - At OS Grid Ref : SN 4595 1234
  - As shown marked : Discharge and Sampling Point.
  - On attached Plan No: BP 0223801
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 pipe outlet as shown marked 'Sampling Point' on the attached drawing/plan No: BP 0223801.
4. The maximum rate of flow of effluent discharged shall not exceed 30 litres per second.

continued/.....

Rheolwr Cyffredinol Rhanbarthol  
Dr John Stoner  
Llys Afon  
Hawthorn Rise  
Hwlfordd  
Dyfed SA61 2BQ  
Ffôn: Hwlfordd (0437) 760081  
Ffacs: (0437) 760881

Regional General Manager  
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Hawthorn Rise  
Haverfordwest  
Dyfed SA61 2BQ  
Tel: Haverfordwest (0437) 760081  
Fax: (0437) 760881

Consent No. BP0223801

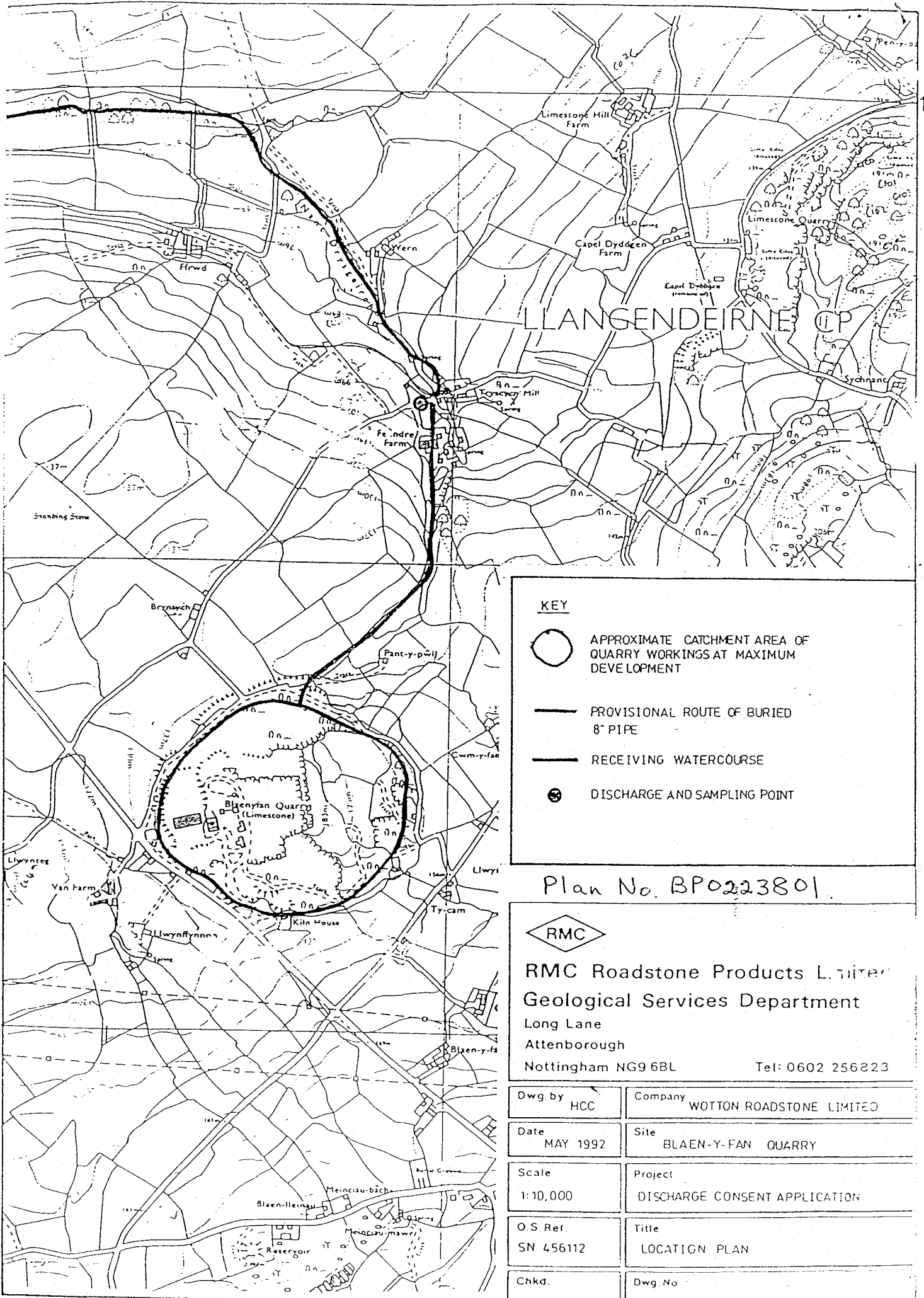
WATER RESOURCES ACT 1991  
Continuation Sheet

Page 2 of 2





5. The maximum volume of effluent discharged shall not exceed 2,500 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 effluent discharged to be measured accurately at any time.
7. The Suspended Solids concentration (dried at 105 degrees Celsius) shall not exceed 60 milligrams per litre.
8. This consent should not be taken as providing a statutory defence against a charge of pollution in respect of poisonous, noxious or polluting constituents not specified herein.

This Consent is given on: *27<sup>th</sup> November 1992* on behalf of the Authority  
by: *[Signature]* Area Environmental Quality Manager

During the period ending with the *26<sup>th</sup> November 1994* the terms of this Consent will not be altered without the written agreement of the person making the discharge.



**KEY**

-  APPROXIMATE CATCHMENT AREA OF QUARRY WORKINGS AT MAXIMUM DEVELOPMENT
-  PROVISIONAL ROUTE OF BURIED 8" PIPE
-  RECEIVING WATERCOURSE
-  DISCHARGE AND SAMPLING POINT

Plan No. BP0223801

**RMC**  
 RMC Roadstone Products Limited  
 Geological Services Department  
 Long Lane  
 Attenborough  
 Nottingham NG9 6BL  
 Tel: 0602 256223

Dwg by HCC	Company WOTTON ROADSTONE LIMITED
Date MAY 1992	Site BLAEN-Y-FAN QUARRY
Scale 1:10,000	Project DISCHARGE CONSENT APPLICATION
O.S Ref. SN 456112	Title LOCATION PLAN
Chkd.	Dwg. No.