

NATIONAL RIVERS AUTHORITY WATER RESOURCES ACT 1991

Application for consent to discharge
Schedule 10



National Rivers Authority,
Welsh Region,
(Mr. D. Knight, Consents Section),
Rivers House,
St Mellons Business Park,
St Mellons,
Cardiff,
CF3 0LT



Official Use Only *South*
Dist/Area Ref. *West.*

Application No. *BPO256301*

Date Received:

Balance rec'd £525.22
on 5-6-95

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 £*84.60* to cover the cost of this application (see note 2).

Signed *P Bonifant* Date *27/4/95*

Authorised on behalf of *CWM NANT LLEICI QUARRY LTD*

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:</p> <p>Daytime telephone number:</p>	<p><i>CWM NANT LLEICI QUARRY LTD</i> <i>ABERNETHY HOUSE (10872)</i> <i>50 WALTER ROAD</i> <i>SWANSEA</i> <i>SAS 1PW</i> <i>01792 457335</i> <i>- Sheila Clark</i></p>
<p>1b Agent (if any) Full name and postal address</p> <p>Contact name and daytime telephone number</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 style="text-align: right;">134362</p> <p>CWM NANT LLEICI QUARRY GELLIFOWY ROAD YNYSMEDWY PONTARDAWE SWANSEA</p>																				
<p>2b) National Grid Reference of point of discharge.</p>	<p>SN 7383 0760 7333 0712</p>																				
<p>2c) District Council area.</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 type="checkbox"/> Any other matter (inc. surface water). <input checked="" 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>SEE ENCLOSED PLAN FOR SIZE OF CATCHMENT AREA</p> <p style="text-align: right;">m^3/day l/sec</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>AS ABOVE</p> <p style="text-align: right;">m^2</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%;"> <tr> <td style="width: 50%;">TIDAL RIVER OR STREAM</td> <td style="width: 5%;"><input type="checkbox"/></td> <td style="width: 40%;">INTO LAND</td> <td style="width: 5%;"><input type="checkbox"/></td> </tr> <tr> <td>NON-TIDAL RIVER OR STREAM</td> <td><input checked="" type="checkbox"/></td> <td>ONTO LAND</td> <td><input type="checkbox"/></td> </tr> <tr> <td>CANAL</td> <td><input type="checkbox"/></td> <td>DIRECTLY INTO GROUNDWATER</td> <td><input type="checkbox"/></td> </tr> <tr> <td>LAKE, LOCH OR POND</td> <td><input type="checkbox"/></td> <td>INTO LAND AND WATERCOURSE</td> <td><input type="checkbox"/></td> </tr> <tr> <td>(not discharging to a river or stream)</td> <td></td> <td>COASTAL WATER (see Note 8.)</td> <td><input type="checkbox"/></td> </tr> </table> <p>State name of watercourse, if known:-</p> <p>UNAMED TRIBUTARY OF CWMIDDU RIVER</p>		TIDAL RIVER OR STREAM	<input type="checkbox"/>	INTO LAND	<input type="checkbox"/>	NON-TIDAL RIVER OR STREAM	<input checked="" type="checkbox"/>	ONTO LAND	<input type="checkbox"/>	CANAL	<input type="checkbox"/>	DIRECTLY INTO GROUNDWATER	<input type="checkbox"/>	LAKE, LOCH OR POND	<input type="checkbox"/>	INTO LAND AND WATERCOURSE	<input type="checkbox"/>	(not discharging to a river or stream)		COASTAL WATER (see Note 8.)	<input type="checkbox"/>
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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:-

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:-

9 Give details as appropriate

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

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

c) For boreholes, state details of lining:

Type of lining

Depth of lining

Depth of perforated lining

Depth of unperforated lining



b)

c)

: metres

: metres

: metres

: metres

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

If yes give reason for not connecting.

Distance from nearest foul sewer.

~~YES~~/NO*

:

:

11 Give brief details of:

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

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

a)

b)

12	Is consent required for a limited period? If yes give relevant dates	YES /NO* :
13	On what date do you anticipate the discharge will begin to be made?	IMMEDIATE
14	Does this proposal replace an existing discharge? If yes give details	YES /NO* :
15	Are there any existing consents for discharge from the premises? (see note 10.) If yes, give details, numbers, if known.	YES /NO* :
16	Please give details of the premises – tick as appropriate:–	
	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"/>
	If other, please give further details.	
17	IN THE CASE OF SUB-IRRIGATION SYSTEMS AND SOAKAWAYS	
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 watercourse?	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	
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.)

b) Maximum temperature of the effluent as discharged°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:—

20 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 checked="" type="checkbox"/>	Answer 25, 27
Other	<input type="checkbox"/>	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)	NONE	
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?	NOT APPLICABLE	
28 What facilities have been provided for flow measurements?		
29 Are there any other factors to be taken into account?		

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



**ENVIRONMENT
AGENCY**

Part A

To: CNL MINERALS LTD
THE DIRECTOR
REGENT HOUSE
RODNEY ROAD
CHELTENHAM GL50 1HX

The Environment Agency ("the Agency") hereby confirm that the above named person is a/the registered holder of consent BP0256301

Nature of Discharge(s); TRADE EFF/SITE DRAINAGE/RAINFALL
at

CWM NANT LLEICI QUARRY, GELLIFOWY ROAD, YNYSMEUDWY

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:





ASiantaeth yr
AMGYLCHEDD
ENVIRONMENT
AGENCY

Our ref: 2/EQ/DJ/BP0256301
Your ref:

Date: 8 August 1996

Mr P Boniface
Cwm Nant Lleici Quarry Ltd.
Gellifowy Road
Ynysmeudwy
Swansea
SA1 1XX

Dear Sir/Madam,

**RE: WATER RESOURCES ACT 1991 SECTION 88 SCHEDULE 10
APPLICATION FOR CONSENT TO DISCHARGE AT CWM NANT LLEICI QUARRY**

APPLICATION NO. BP0256301

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 site drainage from Cwm Nant Lleici Quarry.

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.

The grant of the consent does not alter the need to obtain any other consents or approvals which might be required in connection with your proposal under other legislation.

cont...

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

Environment Agency
Glan Tawe, 154 St. Helens Road, Swansea, West Glamorgan, SA1 4DF
Tel: 01792 645300, Fax: 01792 648652

Please take careful note that if the holder of the consent changes, you should inform the Agency IN WRITING as soon as possible of the name of the new holder (a form is attached for this purpose). This is to ensure that the rights and charges associated with the Consent are transferred to the new holder.

Yours faithfully,

A handwritten signature in black ink, appearing to read 'D B L Mathias', with a long horizontal flourish extending to the right.

D B L MATHIAS
Area Water Quality Manager

Enc.

Please ask for: D N Johnston

CONSENT NO.

BP0256301



ASiantaeth YR
AMGYLCHEDD
ENVIRONMENT
AGENCY

WATER RESOURCES ACT 1991

SECTION 88 - SCHEDULE 10

CONSENT TO DISCHARGE

TO: THE GENERAL MANAGER
CWM NANT LLEICI QUARRY LTD
CWM NANT LLEICI
GELLIFOWY ROAD
YNYSMEUDWY
PONTARDAWE
SWANSEA
SA8 1XX

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 TRADE EFFLUENT**, as follows:

SITE DRAINAGE

FROM: WATER TREATMENT LAGOON, CWM NANT LLEICI QUARRY,

AT: GELLIFOWY ROAD, YNYSMEUDWY, PONTARDAWE.

TO: TRIBUTARY OF THE NANT CWM DU, A TRIBUTARY OF THE RIVER TAW.

SUBJECT TO the conditions set out in the following schedule:

SITE DRAINAGE SCHEDULE NO. BP0256301 01

Subject to the provisions of Paragraph 6 and 7 of Schedule 10 of the Water Resources Act 1991, no notice shall be served by the Agency, altering the effect of this consent, without the agreement in writing of the discharger, during a period of 2 years from the date this consent takes effect.

This consent is issued and takes effect on the *9th* day of *August* 1996

Signed

Area Water Quality 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, SA1 4DF
Tel: 01792 645300, Fax: 01792 648652

CONSENT NO.	BP0256301
SCHEDULE NO.	BP0256301 01
DATE ISSUED	9 th August 1996



ASiantaeth YR
AMGYLCHEDD
ENVIRONMENT
AGENCY

SITE DRAINAGE (" the Discharge")

FROM: WATER TREATMENT LAGOON SYSTEM, CWM NANT LLEICI QUARRY

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 those conditions.

NATURE

2. The Discharge shall consist solely of trade effluent comprising site drainage from Phase One of the site with a catchment area of 1.5 hectares. This site drainage shall pass through the water treatment lagoon system at Cwm Nant Lleici Quarry prior to discharging into the watercourse.

LOCATION

3. The Discharge shall be made in the manner and at the place specified as:
 - (a) discharging via a 600 mm wide by 900 mm deep channel;
 - (b) discharging to a tributary of the Nant Cwm Du, Tawe Catchment
 - (c) at National Grid Reference SN 7333 0712
 - (d) shown marked "Discharge Point" on Plan BP0256301 attached as Annex 1.

CONSENT NO.	BP0256301
SCHEDULE NO.	BP0256301 01



**ASiantaeth YR
AMGYLCHEDD
ENVIRONMENT
AGENCY**

SAMPLING POINT

4. The outlet to the watercourse shall be constructed and maintained so that a representative sample of the Discharge may be obtained at National Grid Reference SN 7332 0712 as shown marked "Sampling Point" on Plan BP0256301.

COMPOSITION

5. As far as is reasonably practicable the treatment lagoons 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.
6. The Discharge shall not contain more than;
 - i) a pH value of 9.0 pH units and not less than 5.5 pH units
 - ii) 50 milligrammes per litre of suspended solids (measured after drying at 105°C)
7. As far as is reasonably practicable, the site shall be operated so as to prevent the Discharge from containing visible oil or grease.

VOLUME

8. The volume of the Discharge shall be dependent on rainfall.

MAINTENANCE

9. The water treatment lagoon system shall be maintained in an efficient operational manner at all times.



ASiantaeth YR
AMGYLCHEDD
ENVIRONMENT
AGENCY

9 August 1996

I confirm that I have received the Consent to discharge treated site drainage from water treatment lagoons, Cwm Nant Lleici Quarry, Gellifowy Road, Ynysmweudwy, Swansea, SA8 1XX. Reference BP0256301

P Boniface
General Manager
Cwm Nant Lleici Quarry Ltd.

Dated: 9th August 1996