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Amgylchedd Cymru
Environment
Agency Wales

Ms J P Edwards
Dwr Cymru Cyf
Pentwyn Road
Nelson
Treharris
Mid Glamorgan
CF46 6LY

Our ref: CG0086501
Your ref:

Date: 2nd April 2007

Dear Ms J P Edwards

**APPLICATION TO DISCHARGE SEWAGE EFFLUENT BY DWR CYMRU CYF FROM
PREMISES AT DAROWEN WWTW, POWYS, SY20 8NS
APPLICATION NO: CG0086501**

**WATER RESOURCES ACT 1991 (AS AMENDED BY THE ENVIRONMENT ACT 1995)
SCHEDULE 10**

I received your application for consent on 29/03/2007 and your payment of £794.00.

Please use the reference number above in any future communication with us relating to this application.

Timescale for the Environment Agency to make a decision

We now have four months to make a decision on your application. We will do all we can to deal with your application quickly but, if by 29/07/2007 we have not advised you of our decision or agreed an extension to the deadline with you, your application will be considered to be refused. You then have the right to appeal the refusal to:

National Assembly for Wales
Environment Protection and Quality Division – Water Branch
Cathays Park
Cardiff CF10 3NQ

Advertising may be required

The Agency is required to advertise the application unless it is considered that the proposed discharge will not have any appreciable effect on the receiving watercourse. This would involve placing a local newspaper advert and a notice in the London Gazette at your expense. You will be contacted again should advertising be necessary.

You may need other permissions

If granted, a Consent under Schedule 10 to the Water Resources Act 1991 covers water quality considerations only. It does not give any right or permission to discharge where land is not owned by the applicant. In addition, for discharges to watercourse, it does not imply the suitability, with regard to volumetric capacity, of the receiving watercourses. It is the

Environment Agency Wales, Chester Road, Buckley, Flintshire CH7 3AJ
Customer services line: 08708 506 506
Email: enquiries@environment-agency.gov.uk
www.environment-agency.gov.uk



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responsibility of the applicant to identify and negotiate, with the riparian owners as necessary, any requirement for downstream improvement works. Failure to do so could result in a Common Law action by the riparian owner.

You should be aware that those discharges which outfall directly into 'main river' may require a Land Drainage Consent from the Environment Agency before the outfall may be constructed. This is in addition to any discharge consent which may be granted. A charge will be levied to cover the processing costs of the Flood Defence Consent application. Our Development Control team will contact you direct to discuss the requirements of a Flood Defence Consent.

Any new outfall to a watercourse should be constructed so that it does not protrude or cause interference with flows. Works within 7 metres of a flood protection structure, for example a floodbank, will require a separate 'Works Affecting Watercourses and/or Flood Defences' application to be submitted.

Public Register

Details of the application for consent are placed on our Public Register which is open for inspection by the public.

If you have any queries relating to your application, please do not hesitate to contact the local officer named below.

Yours sincerely,

Andrew Sowerby
Customer Contact & Authorisations Officer

Direct dial 01244 894502

Direct fax 01244 550144

Direct e-mail andrew.sowerby@environment-agency.gov.uk





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WATER RESOURCES ACT 1991 (schedule 10)

(as amended by the Environment Act 1995)

Application for ~~new consent~~/variation to an existing consent* to discharge

(* delete as appropriate)

Regional/Area Address: Discharge Consent Applications Environment Agency Wales Chester Road Buckley Flintshire CH7 3AJ	Official Use Only <i>Dist/Area Ref:</i> Gwynedd Area. <i>Application No.</i> CG 00865 01 <i>Date Received:</i> 29/03/2007 <i>Fee Received:</i> £ 794-00
---	--

Each applicant must complete the main form and may need to complete a separate annexe if appropriate. Please look through the form and read the notes carefully before you complete it. Processing of your application will be aided by full and accurate completion of all relevant sections and provisions of the necessary plans. If you have any queries regarding the form please contact the person given in the notes.

NOTE:

All information contained within this application will be made available on the public register unless there is a request to withhold any of it. Any such request should provide a full justification stating why the information needs to be withheld (see note xiii).

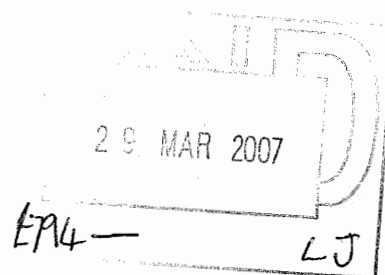
1 SITE ADDRESS

1.1 Address or other sufficient description of land or premises to which this application applies.

Darowen WwTW
Powys

Post Code:

SY20 8NS



2 DETAILS OF DISCHARGE(S)

2.1 State the nature of the discharge(s) (see note i and ii) - tick one or more boxes as appropriate:

Sewage Effluent - volume of 5 cubic metres per day or less

☐

Sewage Effluent - volume greater than 5 cubic metres per day (**complete annexe 1**)

☒

Sewage Effluent discharged under storm or emergency conditions (**complete annexe 2**)

☐

Cooling Water (**complete annexe 3**)

☐

Trade Effluent (*including site drainage*) (**complete annexe 3**)

☐

Others (*please specify*)

☐

2.2 Please state the maximum quantity it is proposed to discharge in any one day

48 m³/day

Briefly state how this figure was calculated (see note ii).

Based on info for the existing consent (DWF 15.75 m³/d, Max volume 48 m³/d)

2.3 a) Indicate proposed means of discharge - tick as appropriate and show on plan:
(for 1, 2 & 3 please state dimensions below)

1. Pipe

☒

4. Borehole

☐

7. Sub-Irrigation System

☐

2. Channel

☐

5. Well

☐

8. Combination of 6 & 7

☐

3. Culvert

☐

6. Soakaway

☐

9. Other (*please specify below*)

☐

Pipe 220 mm dia is existing

b) National Grid Reference(s) of point(s) of discharge (see note iii).

S	H	8	3	0	1	0	0	1	6	3	0
---	---	---	---	---	---	---	---	---	---	---	---

(*please indicate on accompanying plans*)

2.4 a) The Agency will normally require adequate provision for the taking of samples of the discharge in a safe and convenient manner at any time. Please indicate the means proposed (see note iv) - tick as appropriate and show on plan:

At the outlet

☐

At a manhole or sampling chamber

☒

Other (*please specify*)

b) National Grid Reference(s) of sampling point(s) (if different from 2.3 b) above).

S	H	8	3	0	0	0	0	1	6	8	0
---	---	---	---	---	---	---	---	---	---	---	---

(*please indicate on accompanying plans*)

c) What flow measurement facilities will be provided (see note v)?
Please give details.

N/A

2.5 a) Type of Treatment Plant(s) to be used (*please specify make and model*) - tick as appropriate:

Septic Tank

☐

Package Sewage Treatment Works

☐

Other

☒

Primary tank, filter grass plots x 2

- b) Will the treatment process involve the use of any chemicals (eg ferric salts, polyelectrolytes). If yes please give details.

Y/N

- 2.6 a) On what date do you anticipate the discharge will commence?

31/4/07

- b) If you require the consent for a limited time period please give dates;

from:

/ /

to:

/ /

- c) If the discharge is not continuous please detail the period/circumstances when it will occur.

Not applicable for a final effluent discharge

- 2.7 a) Are there any existing consents for discharges from the premises (see note vi)?

Y/N

If yes, please give the reference numbers (Any further information should be given in Section 5.3).

Consent No CG0086501

- b) Has any person had a Prohibition Notice serviced on them in respect of this site?

Y/N

If yes, please give the reference number.

3 SITE DETAILS

- 3.1 Please give the name of the relevant Planning Authority.

Powys Council

- 3.2 Please give details of the premises - tick as appropriate:

- | | | | |
|---|--------------------------|----------------------------|-------------------------------------|
| 1. Single Dwelling | ☐ | 6. Fish Farm | ☐ |
| 2. Multiple Dwellings | ☐ | 7. Mineral Workings | ☐ |
| 3. Industrial Premises | ☐ | 8. Water Services plc STW | ☒ |
| 4. Vehicle Parking Area | ☐ | 9. Water Supply | ☐ |
| 5. Commercial Premises (please specify) | ☐ | 10. Other (please specify) | ☐ |

3.3 Please indicate source of the water supply - tick as appropriate:

1. Well	☐	5. River (please give name below)	☐
2. Borehole	☐	6. Estuary (please give name below)	☐
3. Precipitation (eg rain or snow)	☐	7. Coastal Water (please give name below)	☐
4. Mains (please state water supply company)	☒		
Dwr Cymru Welsh Water (DCWW)			

4 DETAILS OF RECEIVING ENVIRONMENT

4.1 Receiving Medium - tick the category(s) to which the proposed discharge(s) is(are) to be made:

1. Estuarial Water (tidal river or stream)	☐	5. Into Land	☐
2. River or Stream (non-tidal)	☒	6. Onto Land	☐
3. Canal	☐	7. Directly into Groundwater	☐
4. Lake, Lock or Pond	☐	8. Coastal Water (see note vii)	☐

State name of receiving water if known:

Afon Ffernant

4.2 In the case of sub-irrigation systems, soakaways or boreholes: **Not Applicable**

(a) Is any part of the system within 5 metres of the boundary of the premises?	☐ Y/N
(b) Is any part of the system within 10 metres of a watercourse?	☐ Y/N
(c) Is any part of the system within 50 metres of a borehole or spring?	☐ Y/N
(d) For wells and boreholes state dimension(s) in metres.	☐ N/A m
(e) For sub-irrigation systems, soakaway pits, wells and boreholes, state maximum depth in metres.	☐ N/A m
(f) For boreholes, state details of lining in metres:	
(i) Depth of lining	☐ N/A m
(ii) Depth of perforated lining	☐ N/A m
(iii) Depth of unperforated lining	☐ N/A m
(g) A percolation test must be carried out in accordance with British Standard BS6297:1983. Have the results been provided?	☐ Y/N

4.3 Is there a foul sewer available to which the discharge(s) could be made (see note viii)?

If yes, please give the reasons it is not practical to connect to it (eg distance, flow etc).

5 DETAILS OF APPLICANT AND OTHER INFORMATION

5.1 (See general notes and note ix)

(a) Full name and postal address of applicant. This should be the person who will become the consent holder should consent be issued.

*Dwr Cymru Cyf

*Pentwyn Road

*Nelson

*Treharris

*Mid Glamorgan

*

Post Code: CF46 6LY

Daytime Telephone Number:

Company Registration Number (if appropriate): 2366777

(b) Agent (if any) - Full name and postal address.

*

*

*

*

*

*

Post Code:

Contact Name and Daytime Telephone Number:

5.2

Please give full name and address to which bills should be sent if different to that given above:

*

*

*

*

*

*

Post Code:

Daytime Telephone Number:

5.3 Are there any other factors to be taken into account? Please continue on a separate sheet if necessary.

Discharge is to river and not to ground

DECLARATION

I/We:

1. apply under the Water Resources Act 1991 (as amended by the Environment Act 1995) for consent to discharge, as described in this Application. "This Application" means this page, all the other pages of this form and any attached annexes, the attached plan(s), any other sheets attached, and any other written information supplied to support the application.
2. enclose the required application fee, payable to the Environmental Agency (see note x).
3. enclose 3 copies of the plan(s) and location maps with all relevant information clearly marked (see note xi).
4. will pay required advertising costs (see note xii).
5. confirm that I/we* will notify the Environment Agency of any changes in the information in this application which might be material to the continuation of the consent.
6. confirm that the information given in this application and any questions which the Environment Agency may have about it is/will* be true to the best of my/our* knowledge, information and belief and am/are* not aware of any other facts or information which might affect the granting of a consent, or conditions which might be put on it (see note xiii).
7. confirm that I/we* will pay any annual charges due should a consent be granted ~~YES~~/NO*. If no please indicate who will be completing section 5.2 above (see note xiv).

(* Delete as appropriate)

SIGNED:	PRINT NAME:
ON BEHALF OF:DWR CYMRU CYF.....	DATED:28/3/07.....

CONFIDENTIALITY

I/we apply for commercial confidentiality and enclose a full written justification (see note xv).

SIGNED:	DATED:
---------------	--------------

PLEASE RETURN THIS FORM TO THE ADDRESS GIVEN ON THE FRONT PAGE



ANNEXE 1

SEWAGE EFFLUENT GREATER THAN 5 CUBIC METRES PER DAY

Please complete this annexe if you are proposing to discharge more than 5 cubic metres per day of sewage effluent (if the effluent is to contain a trade component Annex 3 should also be completed).

Official Use Only
Application No.

1. Site Name.

Darowen WwTW

2. Please detail the type and number of treatment units you are proposing to use.

As existing

3. Volume, rates and overflow settings. (Please give volumes in cubic metres per day or litres per second as indicated below)

- | | | |
|----|--|-------------------------|
| a) | Maximum flow to full treatment.
(see note ii) in main guidance notes for population equivalents). | 48 m ³ /d |
| b) | Dry weather flow of discharge(s). | 15.75 m ³ /d |
| c) | Average daily flow. | 19.7 m ³ /d |
| d) | Maximum rate of discharge(s) | 0.28 l/s |

4. Will there be provisions for storm/emergency discharges?
If yes, please complete Annex 2.

Y/N

5. a) Will any self monitoring take place?
If yes, please give details.

Y/N

Visual monitoring of final effluent quality by United Utilities Operational Services

- b) Will automatic sampling equipment be provided?
If yes, please give details of type and location (*please indicate on plan*).

Y/N

6. a) Please state the maximum population served by the treatment works.

The works is designed to treat raw sewage from 19 properties and a population equivalent of derived from a property count of $19 \times 2.4 = 45.6$. (46)

- b) Please give reasons for any variations in population, eg holiday resort, training area, seasonal industry etc, and detail the periods/times involved.

Residential catchment with no significant influx of visitors

- c) Please state type of catchment/site being served, eg residential, resort, industrial etc.

Residential

7. Will a maintenance agreement be set up to manage the sewage works? (see note b)
If yes, please give details.

Y/N

The works will be subject to an operational maintenance contract with United Utilities Operational Services.

8. Does the effluent contain a trade component?
If yes, please complete appropriate section on Annexe 3 for authorised discharges of trade effluent to the sewerage system.

Y/N

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

- a) *For significant sewage treatment plants full details of the plant design, dry weather flow and Biochemical Oxygen Demand load, along with information on all discharges from the works must be included in order for the application to be processed. Flow monitoring will normally be required for such discharges and details of siting and type of flow recorders should be provided.*
- b) *The Agency require a single body or company to be responsible for the discharge and any bills raised under the Charges for Discharges Scheme. Where multiple dwellings under different ownership are connected to the same system a management company should be set up.*



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AGENCY

ANNEXE 4

WELSH REGION SUPPLEMENTARY INFORMATION ANNEXE

Please complete this annexe for every proposed discharge.

Official Use Only
Application No.

For all proposed discharges:

1. Site Name.

Darowen WwTW

2. Is this application being made to reinstate a lapsed Consent?

Y/N

If so, please state the Number of the lapsed Consent:

N/A

IMPORTANT: If you are in need of advice on either part of Question 2, please contact the Agency Regional Consents Section on 01222 770088.

3. If the proposed discharge is to be made down a pipe, channel or culvert (as given in Section 2.3 of the main application form), please state the diameter (including units):

Pipe 150 mm dia is existing

4. Please indicate the anticipated cost of the proposed scheme, including any alternatives which may have been considered:

N/A

5. Is there any trade effluent component in the proposed discharge?

Y/N

If yes, please confirm here that you have completed and enclosed Annexe 3:

Tick

6. Will the proposed discharge be pumped or made under gravity? (please circle) Pumped / Gravity

If pumped, please state the maximum pump rate in l/sec:

N/A l/s

For proposed discharges of sewage in storm or emergency conditions:

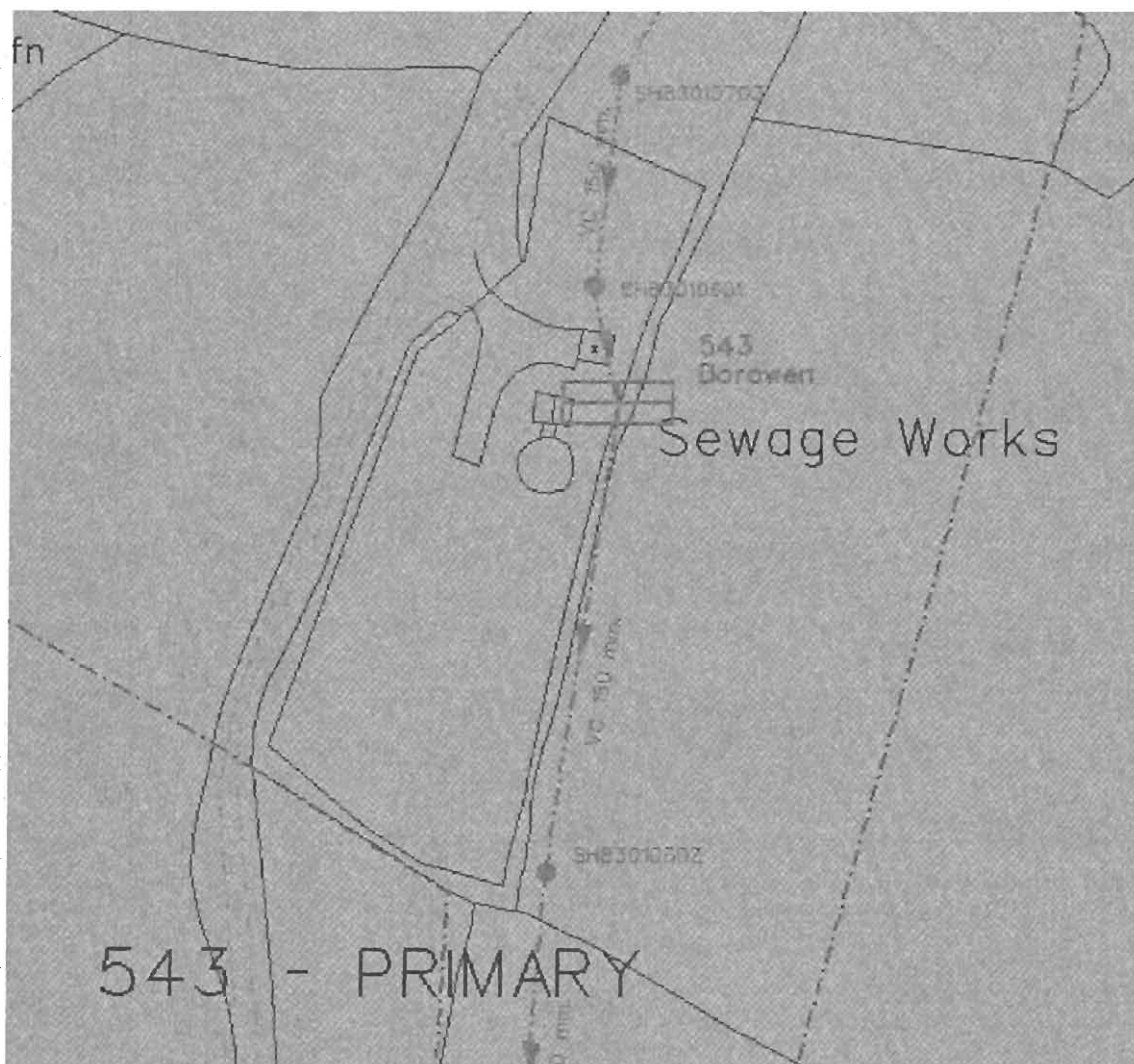
7. Please confirm here that you have completed and enclosed both Annexes 1 and 2: Tick
Only Annex 1 is applicable to final effluent consent application

8. Please state:

Population served (head)	Pe= 19 properties 2.4 persons/property
Consumption (l/head/day) default = 180	180
Infiltration (m ³ /day)	Default to 40%
Industrial effluent flow (m ³ /day)	0
Dry Weather Flow (m ³ /day)	15.75 (as existing consent)
Soc A (l/sec)	As existing (N/A for this application)
Predicted spill frequency (per annum)	N/A for final effluent consent

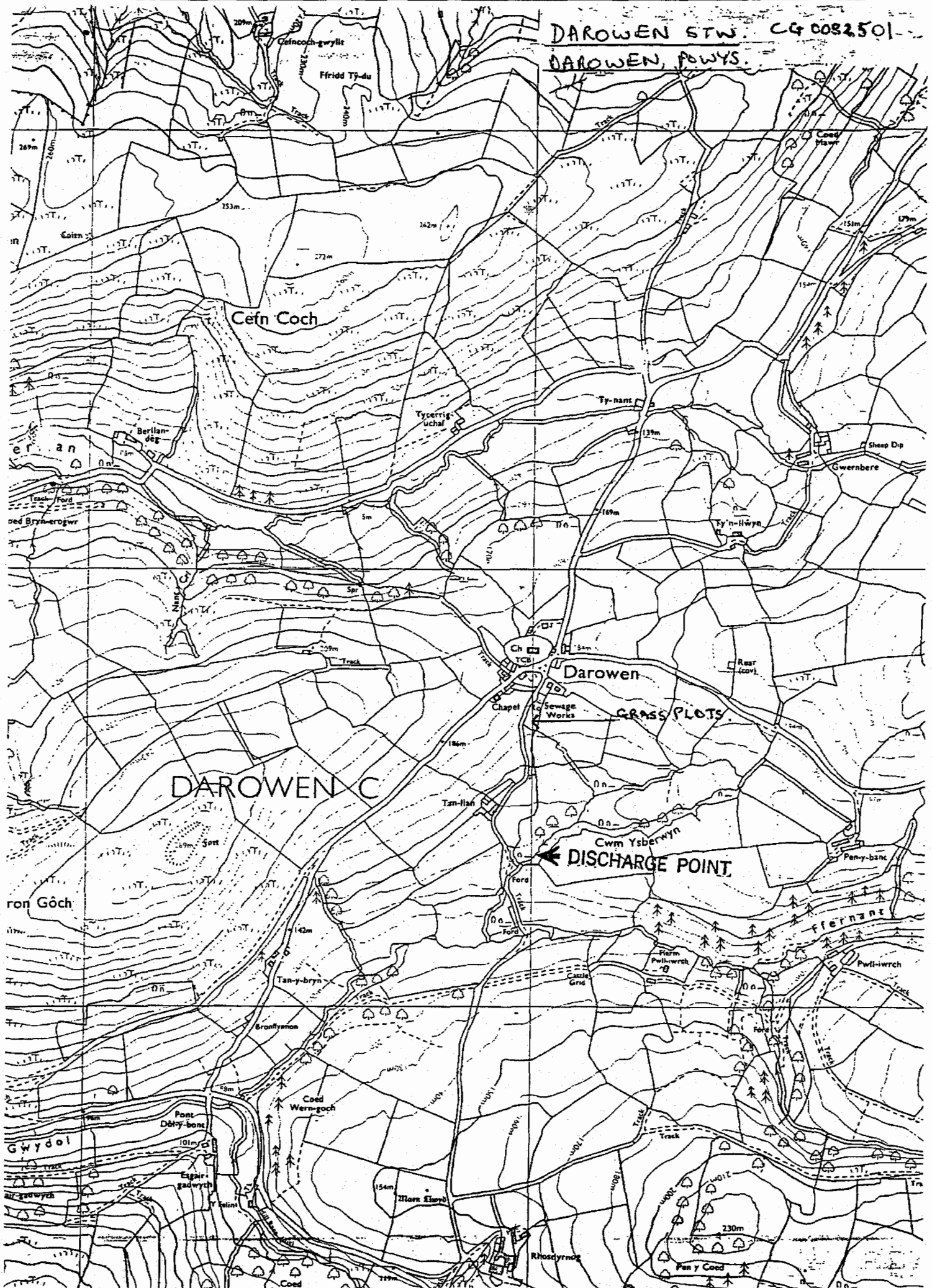
IMPORTANT NOTES FOR ALL CONSENT APPLICATIONS:

- Whoever signs the declaration on the main application form takes responsibility for the discharge, and will become the registered consent holder, if consent is given. In the case of a 'body corporate' (eg a public limited company ('plc'), limited, company, local authority), the 'body corporate' will be the registered consent holder, and the person with the delegated authority to sign on behalf of the 'body corporate' should give their job title.
- Agents making an application on behalf of a client, must attach their clients written authority.
- If the name and/or address of the applicant changes after submission of this application to the Environment Agency, the applicant must inform the Agency in writing.



DAROWEN STW. CG 0082501

DAROWEN, POWYS.





DŴR CYMRU
WELSH WATER

Dŵr Cymru Welsh Water
Vista D
St David's Park
Ewloe
Flintshire CH5 3DT

Tel: 01244 529700/1
Fax: 01244 529898/9
Web site: www.dwrcymru.com

Dŵr Cymru Welsh Water
Vista
Parc Dewi Sant
Ewlo
Sir y Fflint SH5 3DT

Ffôn: 01244 529700/1
Ffacs: 01244 529898/9
Safle gwe: www.dwrcymru.com

Date: March 2007

Ref: CG0156001 Corris Uchaf WwTW
CG0086501 Darowen WwTW

Ruth Street (Water Quality
Environment Agency Wales
Chester Road
Buckley
Flintshire
CH7 4AJ

FAO Ruth Street

Dear Ruth

Groundwater Investigations AMP4 Year 2

Following the Groundwater investigations undertaken as part of AMP 4 it has been discovered that the discharges from Corris Uchaf WwTW and Darowen WwTW discharge into surface water rather than to ground as indicated on the current consents.

Dŵr Cymru Welsh Water therefore would like to request the variation of the relevant consents accordingly. We would also like the consents to remain as 'descriptive' consents and retain the exiting DWF as started in the current consents. Two applications are therefore enclosed.

If any queries arise please contact me.

Included in the correspondence:

Application forms for Corris Uchaf WwTW (Main form, Annex 1, 4)
Application forms for Darowen WwTW (Main form, Annex 1, 4)

Yours sincerely

JP EDWARDS
Environment Performance Manager

Cheque Nos: 901425, 901426

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Environment
Agency

Ms J P Edwards
Dwr Cymru Cyf.
Pentwyn Road
Nelson
Treharris
Mid Glamorgan
CF46 6LY

Our ref: CG0086501

Your ref:

Date: 27 July 2007

Dear Jan Edwards:

**APPLICATION TO DISCHARGE SEWAGE EFFLUENT BY DWR CYMRU FROM
PREMISES AT DAROWEN WWTW, POWYS, SY20 8NS.
APPLICATION NO: CG0086501**

**WATER RESOURCES ACT 1991 (AS AMENDED BY THE ENVIRONMENT ACT 1995)
SCHEDULE 10**

I enclose our formal consent to discharge in relation to your application dated 29/03/07. You are now the holder of this Consent and should ensure that the conditions of the Consent are complied with at all times.

If you consider that the conditions of the consent are unreasonable, you have a right of appeal to:

National Assembly for Wales
Environment Division – Water Branch
Cathays Park
Cardiff CF10 3NQ

Your appeal must be given in writing within three months of the date of issue of the consent and must include a statement of the grounds for the appeal. You should also send a copy of the appeal to us at the address below.

This Consent is an important document. The right to discharge effluent may be valuable to you. The document should be kept safe, probably with the Deeds of the property where appropriate.

If you want to revoke (cancel), or vary (change/amend) the Consent in any way, please contact us. Similarly, if you change your contact address while continuing to hold the Consent, please let us know.

This Consent covers water quality considerations only. It does not give any right or permission to discharge where land is not owned by the applicant. In addition, for discharges to watercourse it does not imply the suitability, with regard to volumetric capacity, of the receiving watercourses. It is the responsibility of the applicant to identify and negotiate, with the riparian owners as necessary, any requirement for downstream improvement works. Failure to do so could result in a Common Law action by the riparian owner.

Environment Agency Wales, Chester Road, Buckley, Flintshire CH7 3AJ
Customer services line: 08708 506 506
Email: enquiries@environment-agency.gov.uk
www.environment-agency.gov.uk



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You should be aware that those discharges which outfall directly into 'main river' may require a Land Drainage Consent from the Environment Agency before the outfall can be constructed. This is in addition to any discharge consent which may be granted. A charge will be levied to cover the processing costs of the Land Drainage Consent application.



Environment Agency

Where the proposed outfall is to a watercourse which is the responsibility of an Internal Drainage Board (IDB) or local authority, then Land Drainage Consent is a matter between the applicant and the relevant IDB or local authority.

Any new outfall to a watercourse should be constructed so that it does not protrude or cause interference with flows. Works within 8 metres of a flood protection structure, for example a floodbank, will require a separate 'Works Affecting Watercourses and/or Flood Defences' application to be submitted.

Please ensure that the sample point for this discharge is maintained so that it is accessible to officers of the Environment Agency and that a direct sample of the effluent may be readily and safely taken at all times.

Public Register

Details of the application for consent are placed on our Public Register which is open for inspection by the public.

Annual charges

Under our current scheme of charges, this consented will attract an annual charge from the date the consent is issued. You will be charged from this date whether or not you are actually discharging. Information on our charges is available through our website at www.environment-agency.gov.uk/charges. If you do not have access to the internet, a hard copy is available from me on request.

Change of Consent Holder

If in the future the name of the Consent Holder is due to change, both you and the new holder must inform us in writing before the change. We can then transfer the rights and charges to the new holder and send a certificate to confirm the transfer of consent.

If you have any queries please contact me.

Yours sincerely,



Ruth Street
Regulatory Officer (Water Quality)

Direct dial 01244 894584
Direct fax 01244 550144
Direct e-mail ruth.street@environment-agency.gov.uk



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WATER RESOURCES ACT 1991
SECTION 88 - SCHEDULE 10
(AS AMENDED BY THE ENVIRONMENT ACT 1995)
VARIATION OF CONSENT TO DISCHARGE

TO: Environment Quality Scientist
Dŵr Cymru Cyf.
Pentwyn Road
Nelson
Treharris
Mid Glamorgan CF46 6LY

In pursuance of an application by the consent holder for variation of consent, the **ENVIRONMENT AGENCY** ("The Agency") in pursuance of its powers under the Water Resources Act 1991 **HEREBY VARIES ITS CONSENT** to the making of a discharge **OF SEWAGE EFFLUENT** as follows:
Biologically treated sewage effluent incorporating the requirements of the Urban Waste Water Treatment Regulations (UWWTR) 1994
with respect to Consent No. CG0086501 issued on the 31st January 1989

FROM: DAROWEN WASTEWATER TREATMENT WORKS

AT: DAROWEN, POWYS, SY20 8NS

TO: AFON FFERNANT

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

Biologically Treated Sewage Effluent

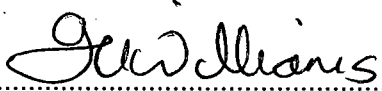
Schedule No. CG0086501 01

UWWT Regulations 1994

Schedule No. CG0086501 01/U

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, which alters the effect of variations made to this consent, without the agreement in writing of the consent holder, during a period of 4 years from the date this variation is issued.

This variation of consent is issued and takes effect on the 27th day of July 2007

Signed 

IWAN WILLIAMS

Team Leader Regulatory Water Quality



CONSENT NO.	CG0086501
SCHEDULE NO.	CG0086501 01
DATE ISSUED	27th July 2007

CONDITIONS OF CONSENT TO DISCHARGE

Biologically Treated Sewage Effluent ("the Discharge")

FROM: Darowen WWTW, Darowen, Powys

NATURE

1. The Discharge shall consist solely of biologically treated sewage effluent.

LOCATION

2. The Discharge shall be made in the manner and at the place specified as:
 - (a) discharging via a 220 millimetre diameter pipe;
 - (b) discharging to the Afon Ffernant;
 - (c) at National Grid Reference SH 83010 01630;
 - (d) shown marked 'Consent Point' on Plan CG0086501 attached as Annex 1.

SAMPLE POINT

3. An appropriately labelled sample point shall be provided and maintained at National Grid Reference SH 83000 01680, as shown marked 'Discharge Sample point' on the Plan CG0086501 attached as Annex 1 or some other point as agreed in writing with the Agency, so that a representative spot sample of the Discharge may be obtained. The Consent Holder 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 being discharged into controlled waters.

CONSENT NO.	CG0086501
SCHEDULE NO.	CG0086501 01

VOLUME

4. The volume of the Discharge shall not exceed 48 cubic metres per day.
5. The Dry Weather Flow of the Discharge shall not exceed 15.75 cubic metres per day.

For the purpose of this condition Dry Weather Flow shall mean the average daily flow to the treatment works during seven consecutive days without rain (excluding a period which includes public holidays) following seven days during which the rainfall did not exceed 0.25 millimetres on any one day.

6. The rate of discharge shall not exceed 0.28 litres per second.

FLOW MEASUREMENT

7. At the request of the Agency, the Consent Holder shall install, operate and maintain a means of flow measuring to a specification and at a location required by the Agency, to enable the daily volume and/or instantaneous flow of the discharge to be recorded. The Consent Holder shall calibrate, operate and maintain the flow monitoring and recording system to a standard agreed or specified by the Agency. The flow and maintenance records shall be provided to the Agency as and when requested.

MAINTENANCE

8. The works shall be operated and maintained in accordance with good operational practice such that:
 - (a) 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 after the failure;
 - (b) Following a failure all equipment shall be returned to normal operation as soon as practicable;
 - (c) Tanks shall be desludged at sufficient frequency and in such a manner to prevent excessive carryover of suspended solids.

CONSENT NO.	CG0086501
SCHEDULE NO.	CG0086501 01

WORKS OPERATION

9. (a) The works shall be operated and the effluent shall be treated in a manner which, so far as reasonably practicable, minimises the polluting effects of the discharge made from the works on controlled waters.
- (b) This condition does not require any alteration of the works or a change in the type of treatment used.

UNUSUAL WEATHER

10. (a) No inspection of the sewage treatment works, made at a time when unusual weather conditions are adversely affecting the operation of the sewage treatment works, shall be taken into account in deciding whether or not conditions 8 and 9 of this consent schedule have been complied with.
- (b) For the purpose of this condition “unusual weather conditions” shall include:
- (i) low ambient temperatures as evidenced by effluent temperatures of 5°C or less, or by the freezing of mechanical equipment in the works;
 - (ii) significant snow deposits;
 - (iii) tidal or fluvial flooding;
 - (iv) weather conditions causing unforeseen loss of power supply to the sewage treatment which could not be ameliorated by the reasonable provision and operation of standby generation facilities.
- (c) On any occasion where unusual weather conditions adversely affect the operation of the sewage treatment works, the Consent Holder shall use its best endeavours to mitigate that adverse affect.

CONSENT NO.	CG0086501
SCHEDULE NO.	CG0086501 01

- (d) For an inspection of the sewage treatment works to be considered for the purposes of (a) above, the Consent Holder shall notify the Agency by telefax or telephone as soon as unusual weather conditions are known to have adversely affected operations and shall confirm the circumstances in writing as soon as possible thereafter (and in any event within 14 days of the occurrence of such conditions). That notification shall include a full description of the unusual weather conditions and their impact on the operation of the works.

RECORDING AND REPORTING

11. (a) 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 at all reasonable times.
- (b) On request the Consent Holder shall supply the Agency with a written report on the maintenance and all non-routine actions that may have adversely affected effluent quality.
- (c) The Consent Holder shall supply the Agency with an annual written summary report confirming the operation of the maintenance programme.
- (d) The Consent Holder shall as soon as reasonably practicable report all non-routine actions that may have adversely affected effluent quality.

CONSENT NO.	CG0086501
SCHEDULE NO.	CG0086501 01

SUBSTANTIAL CHANGE

12. (a) A discharge shall not be made from the works if it would cause a significant increase in the polluting effects of the discharge on controlled waters as a result of a new or altered discharge of trade effluent into the works.
- (b) A discharge of trade effluent into the works is new if -
- (i) it is made by the sewerage undertaker and is of a kind not made into the works by the undertaker immediately before the date of effect of this consent; or
 - (ii) it is made by a third party and the discharge is authorised on or after that date.
- (c) A discharge of trade effluent into the works is altered if -
- (i) it is made by the sewerage undertaker and its composition or quantity changes significantly on or after the date of variation of this consent ; or
 - (ii) it is made by a third party and the alteration of the discharge is authorised on or after that date.
- (d) An increase in the polluting effects of the discharge on controlled waters is not significant for the purposes of this condition if it relates to any characteristics of the discharge which are specifically regulated by other conditions of this consent schedule but it may be significant if it is caused by a change in some other characteristic of the discharge.
- (e) For the purposes of this condition “trade effluent” means -
- (i) any discharge by the sewerage undertaker other than
 - (1) domestic sewage from premises connected directly or indirectly to the works; or
 - (2) surface water run-off;
 - (ii) any discharge by a third party which is authorised under Chapter III of Part IV of the Water Industry Act 1991 or which is only accepted as a result of a contract with the sewerage undertaker.

CONSENT NO.	CG0086501
SCHEDULE NO.	CG0086501 01

UNAUTHORISED DISCHARGE

13. (a) A discharge made from the works shall not contain any poisonous, noxious or polluting matter or solid waste matter which is attributable to any unauthorised discharge into the works.
- (b) A discharge into the works is unauthorised if it is made by a third party and either there is no obligation to receive it or conditions subject to which there is an obligation to receive it are not observed.
- (c) Nothing in this, or any other, condition of this consent prevents anyone from relying on any defence available to them under Section 87 of the Water Resources Act 1991.

CONSENT NO.	CG0086501
SCHEDULE NO.	CG0086501 01/U
DATE ISSUED	27th July 2007

CONDITIONS OF CONSENT TO DISCHARGE

Urban Waste Water Treatment Regulations 1994 ("the Discharge")

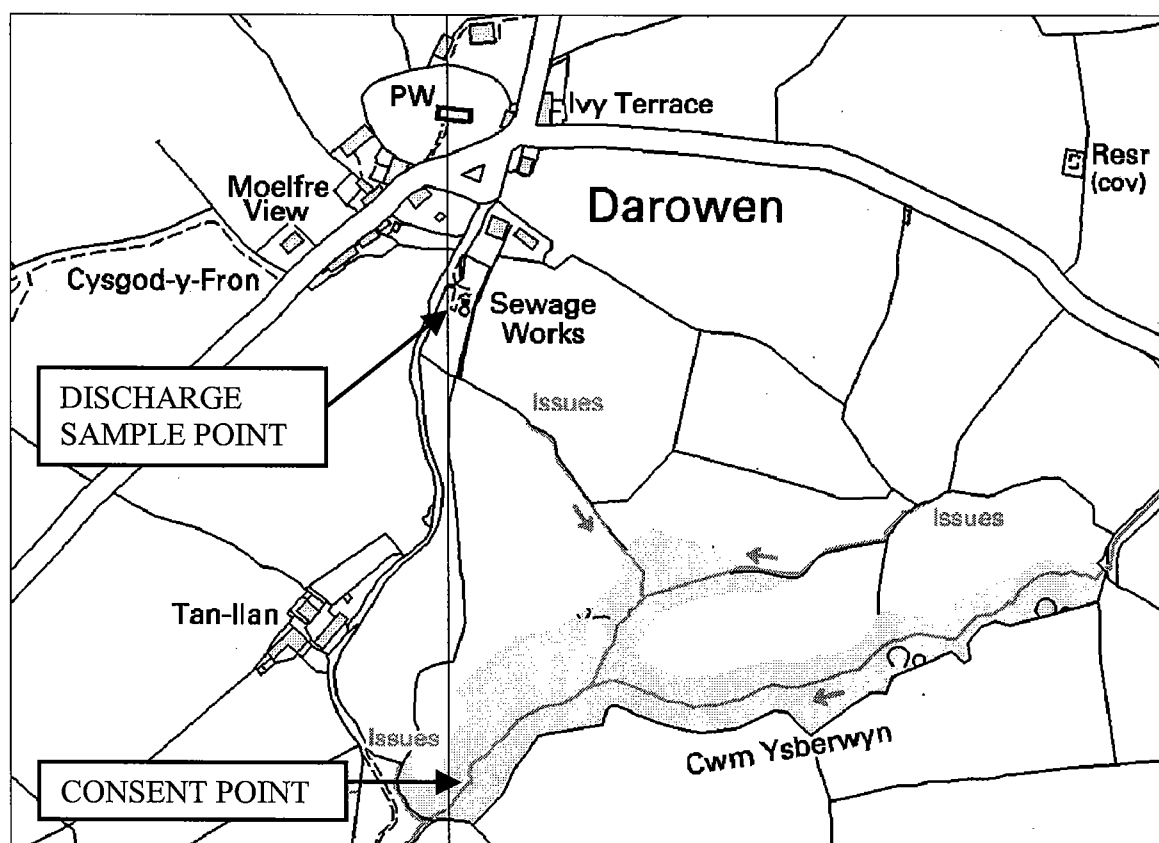
FROM: Darowen Wastewater Treatment Works, Darowen, Powys, SY20 8NS

- U0** (a) The Consent Holder shall comply with the Urban Waste Water Treatment (England and Wales) Regulations 1994 ("the Regulations").
- (b) For the purpose of condition U1 below, interpretations and references to a numbered regulation or Schedule shall have the meaning as in the Regulations, unless otherwise indicated.
- U1** (a) The Discharge derives from an agglomeration with a population equivalent of less than 2,000 discharging to freshwaters;
- (b) The Consent Holder shall inform the Agency in writing of any change, or proposed change, to the population equivalent such as would make a material change to the application of the Regulations and shall, on request, inform the Agency in writing of the actual population equivalent.
- (c) The Discharge shall be subject to Regulation 5(7) and satisfy the requirements of Regulation 5(8)(a).

CONSENT NO.	CG0086501
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ANNEX 1

PLAN No CG0086501



NOT TO SCALE

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



**ENVIRONMENT
AGENCY**

Part A

To: DWR CYMRU CYFYNGEDIG
CONSENTS REGULATION OFFICER
PLAS-Y-FFYNNON
CAMBRIAN WAY
BRECON LD3 7HP

The Environment Agency ("the Agency") hereby confirm that the above named person is a/the registered holder of consent CG0086501

Nature of Discharge(s); SEWAGE EFF/TREATED EFF/CONTINUOUS
at
DAROWEN STW

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:

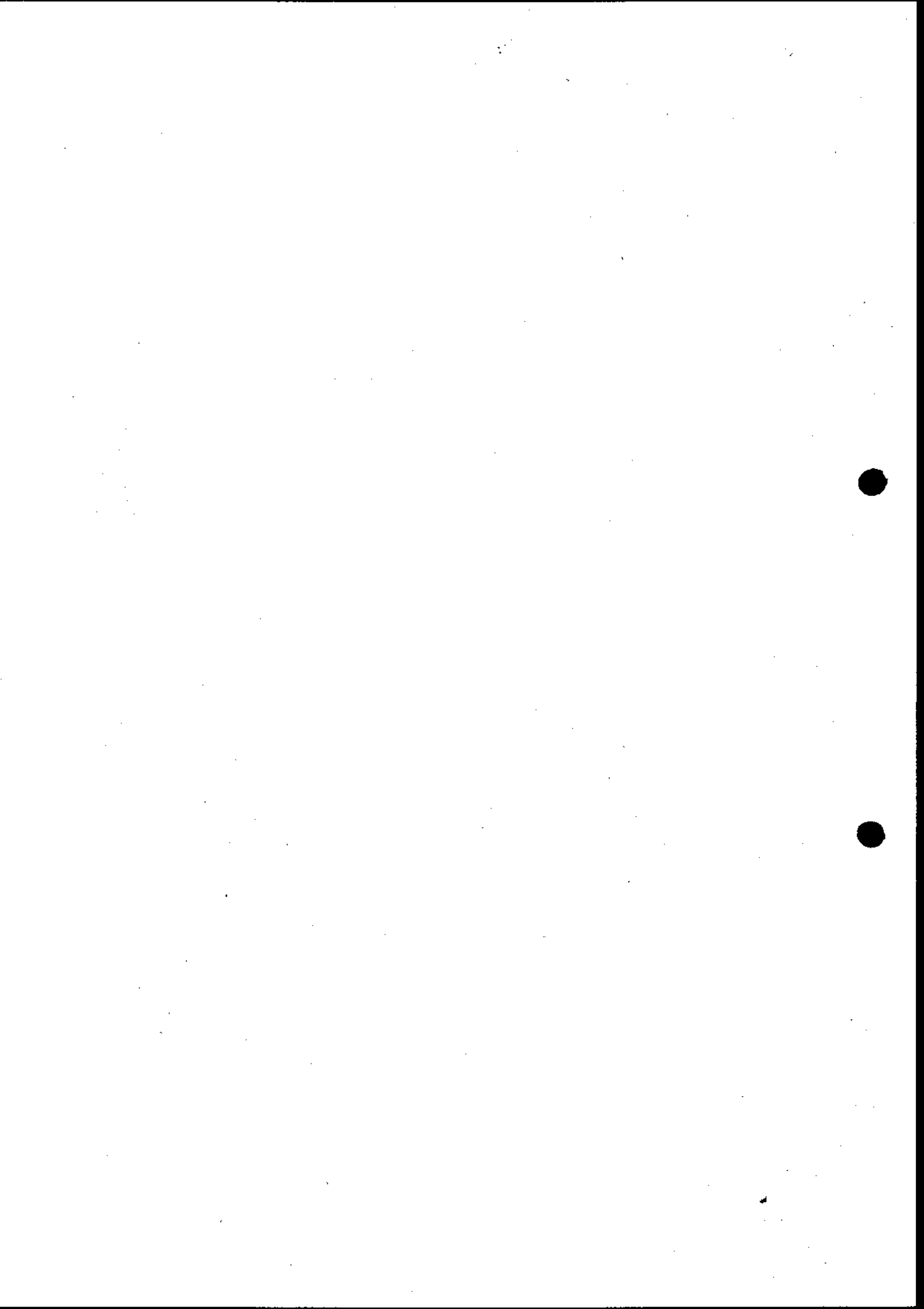
Post Code:

Date of Transfer to new Holder(s):

Signed: **Dated:**

Name (block capitals): **Position:**

(To be completed when signing on behalf of corporate bodies)





ASiantaeth Yr
Amgylchedd Cymru
Environment
Agency Wales

**ENVIRONMENT AGENCY WALES
NORTHERN AREA
CONSENT REVIEW 2004**

UWWTD

[URBAN WASTE WATER TREATMENT DIRECTIVE 1991]

FILE NOTE

A snapshot of WRA 91 Discharge Consents qualifying for review under UWWTD was extracted from WIMS (EA electronic Public Register) on the 21st April 2004. All details shown on this file note are based on the permission extant as of this date.

CONSENT REF :	CG0086501	VERSION :	2		
OPERATOR :	DWR CYMRU CYFYNGEDIG				
DISCHARGE SITE :	DAROWEN STW				
EXTANT CONSENT ISSUE DATE :	31/01/1989	EFFECTIVE DATE :	31/01/1989		
DWF (m ³ /day) :		MAX DAILY VOL (m ³ /day) :	UNSPECIFIED	RATE (l/s) :	

Records held on WIMS show DAROWEN STW (CG0086501) to be extant under version 2 issued 31/01/1989 with descriptive consent conditions, effective 31/01/1989. The works is currently consented to discharge a max daily volume of UNSPECIFIEDm³/day effluent to the LAND at NGR SH8302001370.

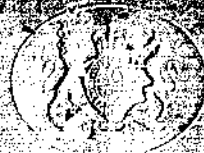
UWWTD directive aims to deliver a standard level of sewage treatment throughout EC member states. This has been interpreted as prescribing a minimum of secondary biological treatment (package plant or equivalent) on all discharges made to a controlled surface water; or a minimum of primary (septic tank or equivalent) treatment on all discharges made to ground.

The discharge of UNSPECIFIEDm³/day effluent to 'LAND', for the purposes of this review, is described as 'secondary treated effluent to surface waters'. This treatment / receiving water combination has been assessed* as APPROPRIATE under the UWWTD review. This consent is reviewed as APPROPRIATE under UWWTD as of 01/09/2005.

* NB: the assessment of this Discharge Consent to meet UWWTD 'appropriate treatment' criteria is based solely on provision of the appropriate 'threshold' level of minimum treatment for the receiving medium. This review does not assess appropriateness in terms of the specific river needs of the receiving water stretch.

Iwan Williams
Regulatory Team Leader (Water Quality)





WEPD/S2/23/D7

WO REF: WEP/WS 9111/18
WWA REF: CG 0086501

WELSH OFFICE

CONTROL OF POLLUTION ACT 1974: SECTIONS 34 AND 55
THE CONTROL OF POLLUTION (DISCHARGES BY AUTHORITIES) REGULATIONS 1984
CONSENT FOR A DISCHARGE

1. The Welsh Water Authority (hereinafter referred to as 'the Water Authority') proposes to discharge sewage effluent from the Darowen Sewage Treatment Works to the ground at National Grid Reference SH 8302 0137 in accordance with the application dated 20 December 1988.
2. The proposal requires the consent of the Secretary of State for Wales in pursuance of sections 34 and 55 of the Control of Pollution Act 1974 and the Control of Pollution (Discharges by Authorities) Regulations 1984.
3. THE SECRETARY OF STATE FOR WALES hereby consents to the proposed discharge subject to the discharge conforming at all times to the terms of the certificate attached hereto.

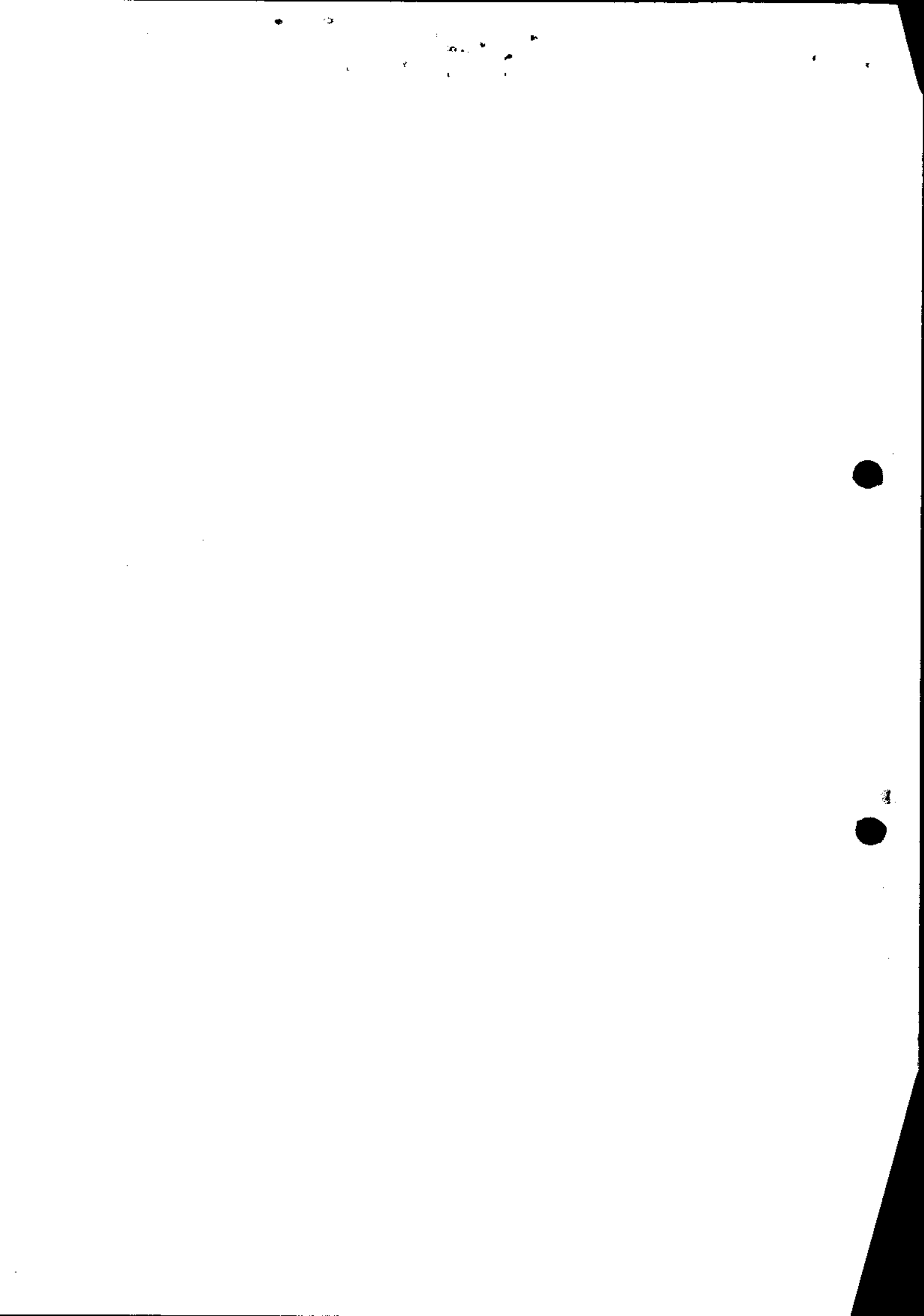
Dated this

31
1989
AS

day of January

Signed

Aslewyn
on behalf of the Secretary
of State for Wales



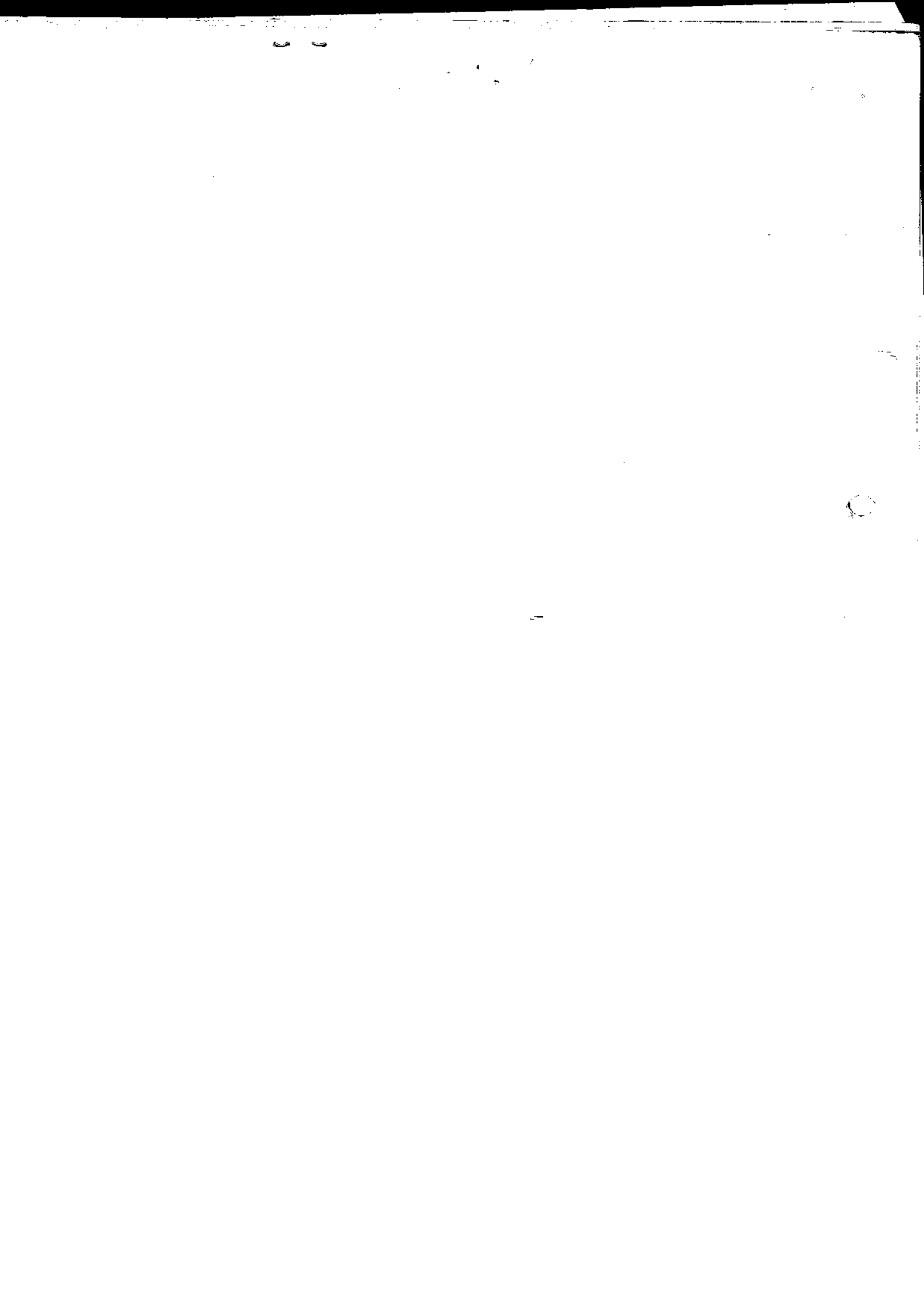
THE CONTROL OF POLLUTION ACT 1974: SECTION 34
THE CONTROL OF POLLUTION (DISCHARGES BY AUTHORITIES)
REGULATIONS 1984 (SI 1984 NO 1200)

CERTIFICATE TO BE SUBMITTED WITH A REQUEST FOR A
DESCRIPTIVE DISCHARGE CONSENT

On behalf of the Welsh Water Authority we certify that, in respect of the discharge from the Authority's sewage treatment works at DAROWEN,
POWYS
(National Grid Reference SH 8302 0137).

1. The effluent derives from domestic sewage from a population of 50 or less and contains no authorised trade waste.
2. There are no potable water supply intakes downstream which are likely to be adversely affected.
3. As far as is reasonably practicable, the works shall be operated so as to prevent:
 - i any matter being present in the effluent which will cause the receiving water to be poisonous or injurious to fish or to their spawn or spawning grounds or food or otherwise cause damage to the ecology of the receiving waters; and
 - ii the treated effluent from having any adverse visual and other environmental impact.
4. The authority will operate the works having regard so far as is relevant, to the guidance set out in the National Water Council's Occasional Technical Paper Number 4, "The Operation and Maintenance of Small Sewage Works" dated January 1980. In particular the works shall be maintained properly such that:
 - a. it remains fully operational except at times of mechanical or electrical breakdown;
 - b. any such breakdowns shall be attended to promptly and the equipment returned to normal operation as soon as possible; and
 - c. tanks shall be desludged at sufficient frequency and in such a manner as to prevent problems with septic sludge, rising sludge for excessive carryover of suspended solids.

Signed .. *[Signature]*



THE CONTROL OF POLLUTION ACT 1974: SECTION 34
THE CONTROL OF POLLUTION (DISCHARGES BY AUTHORITIES)
REGULATIONS 1984 (SI 1984 NO 1200)

CERTIFICATE TO BE SUBMITTED WITH A REQUEST FOR A
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Signed
(Name) ... J. D. R. Williams
Divisional Operations Manager

Signed
(Name)
District Scientist

Dated this 22nd
Day of December 1988

CONTROL OF POLLUTION ACT 1974: SECTION 34THE CONTROL OF POLLUTION (DISCHARGES BY AUTHORITIES)
REGULATIONS 1984 (SI 1984 No 1200)APPLICATION FOR A CONSENT TO DISCHARGE
EFFLUENT FROM WORKS VESTED IN THE
WELSH WATER AUTHORITY

To: Water Administration, Water and Environmental Protection Division
Room 2002, Cathays Park, Welsh Office, Cardiff CF1 3NQ

Name of Discharge DAROWEN STW.....

..... DAROWEN, POWYS.....

Division NORTHERN.....

I hereby apply for consent to the above named discharge the details of which
are contained in Form COPA 4 attached

Contact within the Authority

..... R. P. DALE.....

Date 20.12.88.....

.....
Signed on behalf of the
Welsh Water Authority.

FOR WELSH OFFICE USE ONLY

Application and Certificate checked
Signed Date

Consent and Certificate issued
Signed Date

NOTES

DAROWEN STW

DAROWEN, POWYS

The plant in Darowen consists of two primary settling tanks, one filter and two grass plots. The works is in an extremely good condition but has been the subject of some spurious gross failures recently. The reason for the failures has been by sampling error. In moderate to dry weather conditions the effluent from the plant soaks away and does not accumulate in the sample chamber unless there has been recent heavy rainfall. The samplers, aware of the fact that the plant is a long distance away, have taken or tried to take samples from the distribution channels at the head of the grass plots. This has now been rectified but on the sampling programme the works is visited but very rarely sampled, because effluent discharges to the watercourse are infrequent.

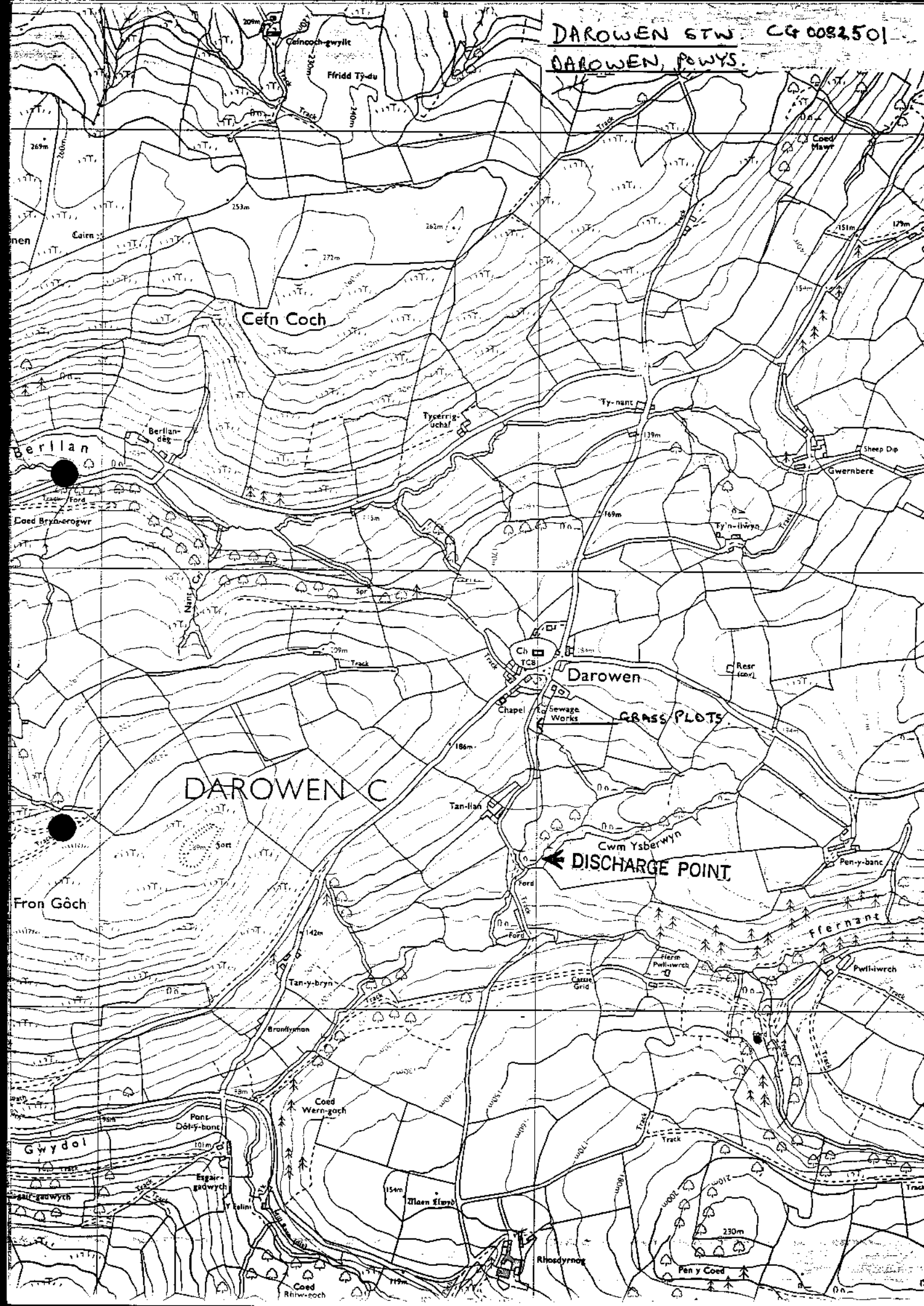
Bearing the above information in mind it would be sensible to consent this works as a descriptive to ground.

WELSH WATER AUTHORITY Welsh Office Form COPA4						Welsh Off Ref		WEP/24/D5	
SUPPORTING INFORMATION FOR CONSENT/REVIEW - WWA Form SS.SI.1						Welsh W A Ref		CG 0086501	
DISCHARGER + Agent: WELSH WATER AUTHORITY						WWA District		N / S	
PREMISES / SOURCE		DAROWEN STW, DAROWEN, LLANBRYNMAIR, POWYS							
DISCHARGE TYPE		TERTIARY TREATED SEWAGE EFFLUENT							
DISCHARGE STATUS		New reqg Consent		Exg reqg Review		☒ Exg reqg Consent		Prevly Exempt	
TEMP'Y UNTIL									
CONSENT / REVIEW EXISTING - issued		To: WELSH WATER AUTHORITY				By: WELSH OFFICE		Date: 30/1/85	
ADVERTISEMENT ?		Yes / No because: No change to existing effluent disposal.							
OUTLET DETAILS		New / Exg		OS Ref		SH 8302 0137		Diam - mm Form -	
SAMPLING POINT		TDIB SPT		20051		OS Ref		SH 8302 0137	
DISCHARGE IS TO		Inland Stream		Landl Pond		☒ Onto Land		☒ Into Land	
						Groundwtr		Estuary	
								Coastal	
RECEIVING WATER		Immediate / Main						/ kms >	
Water in current RQO Programme ?		Data for :		Current Situath		Short-term RQO		Long-term RQO	
		Assessed by :		NWC		Biol		by	
Immed. Yes / No		Immed. Up / Down		1A /		/		19 /	
Main Yes / No		Main Up / Down		/		/		19 /	
USE(S) OF THE RECEIVING WATER, whether surface or groundwater		Exg / Future Use(s)		PotWS		IndWS		AgrWS	
		Of Immed R.W. @ km							
		Of Main R.W. @ km							
		Effect of discharge on uses, etc.		NONE					
EFFLUENT QUALITY DATA - derived from: samples taken from: to : (mg/l except pH)		Determinand		BOD		SOLIDS			
		Maximum							
		Minimum							
		Mean							
		Standard Deviation							
		Median / 50%ile							
		95%ile: N / LN / NP							
QUALITY LIMITS (mg/l except pH) S/W if seasonal 1/2 if phased		Existing		20		30			
		Proposed 95%ile							
		Proposed Maximum							
CALCULATION MODE		To Quality Spec'n							
		Method used							
EFFLUENT FLOW DATA		P Popul'n No.		G Consum'n m³/h/d		PG Sewage m³/d		I Infilt'n m³/d	
								E Trade m³/d	
								PG+I+E DWF m³/d	
								Storm Sewage Of flow Weir Setting	
								x DWF 1/sec	
								Maximum Rate 1/sec	
								Maximum Daily Vol m³/d	
Existing Design								15.75	
Estd Current									
Proposed Design									
Ultimate Design									
Design Horizons: Proposed: Ultimate:		Sewerage system is % combined		Flow values for Consent Conditions		Existing		Proposed	

SUPPORTING INFORMATION FOR A CONSENT / REVIEW (CONTINUED) Form SS.SI.1						Welsh Off Ref		2311-4815	
Relating to: DAROWEN STW						Welsh W A Ref		GG 008 6501	
RIVER AND EFFLUENT FLOWS AND DILUTIONS			Flows in Immediate Receiving Water			Flows in Main Receiving Water			
Flows in m³/d. If estimated, give method:			Meas / Estd at OSGR: SH 8302 0137			Meas / Estd at OSGR: 733012 127507			
CATCHMENT COMPARISON			Minimum	5%ile	Mean	Minimum	5%ile	Mean	
				173	2162				
Effluent Statistic			Dilution Ratios - expressed as			x River : 1 Effluent			
Source of Data									
Effluent Volume									
D:W.F.			11:1			137:1			
Maximum			3.6:1			45:1			
RIVER REGIME			Width, Depth & Reaeration			W m D m R			
TREATMENT PLANT UNITS - with Critical Dimensions					Primary Sett.	Area m²	2 tanks		
Unit	Detail	Existing	Proposed	Ultimate	Storm Tanks	Area m²			
Storm S. Of flow*	Set @ 1/s				" "	Volume m³			
Screens	Space mm				Septic Tank	Volume m³			
Well Retent'n.	Hours				Biol. Filters	Media m³	1 filter		
Pumping Rate	Max. 1/s				Act'd Sludge #	Volume m³			
Gravity-Feed	Yes & No	Yes			Package Plant*	Surface m²			
Flow Meas't.*	Yes / No	No			Pasveer Ditch#	Volume m³			
Grit Removal	Yes / No	-			Final Sett't.	Area m²			
Macer'n/Comm'n.	Yes / No	-			Tert'y Treat.*	Area m²	2 grass plots		
Other Units and Details	* Type # Power	SLUDGE TANKERED TO CENTRAL DIGESTER.							
SLUDGE TREAT. AND DISPOSAL									
TRADE WASTES Types & m³/d									
FURTHER DATA & STATEMENT From Dist/Div.									
Additional conditions									
Nearby effluents and changes									
EC Dangerous Substances									
EC Designated Waters									
SSSIs									
(Continue on Form SS.SI.2 if necessary)									
CAPITAL WORKS	Outline Appra.		Second Appra.		Final Appra.		Start	Finish	
District Ref	64/8/S208		District Contact	R. P. DALE		HOWQS Ref			
For use by:									
HQ WATER QUALITY SECTION									
For use by:									
WELSH OFFICE									

SUPPORTING INFORMATION FOR A CONSENT / REVIEW (CONTINUED) Form SS.SI.1						Welsh Off Ref		#241# 4233	
Relating to: DAROWEN STW						Welsh W A Ref		GG-0086501	
RIVER AND EFFLUENT FLOWS AND DILUTIONS Flows in m ³ /d. If estimated, give method: CATCHMENT COMPARISON			Flows in Immediate Receiving Water			Flows in Main Receiving Water			
			Meas / Estd at OSGR: SH 8302 0137			Meas / Estd at OSGR:			
			Minimum	5%ile	Mean	Minimum	5%ile	Mean	
				173	2162				
			Dilution Ratios - expressed as x River : 1 Effluent						
				11:1	137:1				
				3.6:1	45:1				
RIVER REGIME			Width, Depth & Reaeration	W	m	D	m	R	
TREATMENT PLANT UNITS - with Critical Dimensions					Primary Sett.	Area	m ²	2 tanks	
Unit	Detail	Existing	Proposed	Ultimate	Storm Tanks	Area	m ²		
Storm S. Of flow*	Set @ 1/s				" "	Volume	m ³		
Screens	Space mm				Septic Tank	Volume	m ³		
Well Retent'n.	Hours				Biol. Filters	Media	m ³	1 filter	
Pumping Rate	Max. 1/s				Act'd. Sludge #	Volume	m ³		
Gravity Feed	Yes & No	Yes			Package Plant*	Surface	m ²		
Flow Meas't.*	Yes / No	No			Pasveer Ditch#	Volume	m ³		
Grit Removal	Yes / No	-			Final Sett't.	Area	m ²		
Macer'n/Comm'n.	Yes / No	-			Tert'y Treat.*	Area	m ²	2 grass plots	
Other Units and Details	* Type # Power	SLUDGE TANKERED TO CENTRAL DIGESTER.							
SLUDGE TREAT. AND DISPOSAL									
TRADE WASTES Types & m ³ /d									
FURTHER DATA & STATEMENT From Dist/Div. Additional Nearby efflts and changes EC Dangerous Substances EC Designated Waters SSSIs (Continue on Form SS.SI.2 if necessary)									
CAPITAL WORKS	Outline Appra.		Second Appra.		Final Appra.		Start	Finish	
District Ref	64/8/S208		District Contact	R. P. DALE			HQWQS Ref		
For use by: HQ WATER QUALITY SECTION									
For use by: WELSH OFFICE									

DAROWEN, POWYS.



WO REF: WEP/WS 9111/18
WWA REF: CG 0086501

WELSH OFFICE

CONTROL OF POLLUTION ACT 1974: SECTIONS 34 AND 55
THE CONTROL OF POLLUTION (DISCHARGES BY AUTHORITIES) REGULATIONS 1984
CONSENT FOR A DISCHARGE

1. The Welsh Water Authority (hereinafter referred to as 'the Water Authority') proposes to discharge sewage effluent from the Darowen Sewage Treatment Works to the ground at National Grid Reference SH 8302 0137 in accordance with the application dated 20 December 1988.
2. The proposal requires the consent of the Secretary of State for Wales in pursuance of sections 34 and 55 of the Control of Pollution Act 1974 and the Control of Pollution (Discharges by Authorities) Regulations 1984.
3. THE SECRETARY OF STATE FOR WALES hereby consents to the proposed discharge subject to the discharge conforming at all times to the terms of the certificate attached hereto.

Dated this

31
1989

day of JANUARY

Signed A.S. PEARCE
on behalf of the Secretary
of State for Wales

THE CONTROL OF POLLUTION ACT 1974: SECTION 34
THE CONTROL OF POLLUTION (DISCHARGES BY AUTHORITIES)
REGULATIONS 1984 (SI 1984 NO 1200)

CERTIFICATE TO BE SUBMITTED WITH A REQUEST FOR A
DESCRIPTIVE DISCHARGE CONSENT

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POWYS
(National Grid Reference SH 8302 0137).

1. The effluent derives from domestic sewage from a population of 50 or less and contains no authorised trade waste.
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Signed
(Name) ... J.D.R. Williams
Divisional Operations Manager

Signed
(Name)
District Scientist

Dated this 22nd
Day of December 1988

CONTROL OF POLLUTION ACT 1974: SECTION 34
THE CONTROL OF POLLUTION (DISCHARGES BY AUTHORITIES)
REGULATIONS 1984 (SI 1984 No 1200)

APPLICATION FOR A CONSENT TO DISCHARGE
EFFLUENT FROM WORKS VESTED IN THE
WELSH WATER AUTHORITY

To: Water Administration, Water and Environmental Protection Division
Room 2002, Cathays Park, Welsh Office, Cardiff CF1 3NQ

Name of Discharge DAROWEN STW,.....

..... DAROWEN, POWYS.

Division NORTHERN,.....

I hereby apply for consent to the above named discharge the details of which
are contained in Form COPA 4 attached

Contact within the Authority

..... R. P. DALE.....

Date 26.12.88.....

..... Dale
Signed on behalf of the
Welsh Water Authority.

FOR WELSH OFFICE USE ONLY

Application and Certificate checked

.....
Signed

.....
Date

Consent and Certificate issued

.....
Signed

.....
Date

NOTES

DAROWEN STWDAROWEN, POWYS

The plant in Darowen consists of two primary settling tanks, one filter and two grass plots. The works is in an extremely good condition but has been the subject of some spurious gross failures recently. The reason for the failures has been by sampling error. In moderate to dry weather conditions the effluent from the plant soaks away and does not accumulate in the sample chamber unless there has been recent heavy rainfall. The samplers, aware of the fact that the plant is a long distance away, have taken or tried to take samples from the distribution channels at the head of the grass plots. This has now been rectified but on the sampling programme the works is visited but very rarely sampled, because effluent discharges to the watercourse are infrequent.

Bearing the above information in mind it would be sensible to consent this works as a descriptive to ground.

WELSH WATER AUTHORITY										Welsh W A Ref		CG 0086501	
SUPPORTING INFORMATION FOR CONSENT/REVIEW - WWA Form SS.SI.1										WMA District		N / S	
DISCHARGER + Agent: WELSH WATER AUTHORITY													
PREMISES / SOURCE Address/Location		DAROWEN STW, DAROWEN, LLANBRYNMAIR, POWYS.											
DISCHARGE TYPE		TERTIARY TREATED SEWAGE EFFLUENT											
DISCHARGE STATUS		New reqg Consent		Exg reqg Review		☒ Exg reqg Consent		Prevly Exempt		Tempy until			
CONSENT / REVIEW EXISTING - issued		To: WELSH WATER AUTHORITY						By: WELSH OFFICE				Date: 30/1/85	
ADVERTISEMENT ?		☒ Yes / No because: No change to existing effluent disposal.											
OUTLET DETAILS		☒ New / ☒ Exg		OS Ref		SH 8302 0137		Diam		- mm		Form -	
SAMPLING POINT		TDIB SPT		20051		OS Ref		SH 8302 0137		Outlet / -			
DISCHARGE IS TO		Inland Stream		Landl Pond		Onto Land		☒ Into Land		Groundwtr		Estuary Coastal	
RECEIVING WATER		Immediate / Main		/ kms >									
Water in current RQO Programme ?		Data for :		Current Situath		Short-term RQO		Long-term RQO		TDIB SPT Refs			
		Assessed by :		NWC		Biol		NWC		Biol		by	
Immed. ☒ Yes / No		Immed. Up / Down		1A/		/		/		/		19	
Main Yes / No		Main Up / Down		/		/		/		/		19	
USE(S) OF THE RECEIVING WATER, whether surface or groundwater		Exg / Future Use(s)		PotWS		IndWS		AgrWS		Stock		SalFish	
		Of Immed R.W. @ km										☒	
		Of Main R.W. @ km											
		Effect of discharge on uses, etc.		NONE									
EFFLUENT QUALITY DATA - derived from: samples taken from: to : (mg/l except pH)		Determinand		BOD		SOLIDS							
		Maximum											
		Minimum											
		Mean											
		Standard Deviation											
		Median / 50%ile											
		95%ile: N / LN / NP											
QUALITY LIMITS (mg/l except pH) S/W if seasonal 1/2 if phased		Existing		20		30							
		Proposed 95%ile											
		Proposed Maximum											
CALCULATION MODE		To Quality Spec'n		DESCRIPTIVE TO GROUND									
		Method used											
EFFLUENT FLOW DATA		P Popul'n No.		G Consum'n m³/h/d		PG Sewage m³/d		I Infilt'n m³/d		E Trade m³/d		PG+I+E DWF m³/d	
												Storm Sewage Of flow Weir Setting x DWF 1/sec	
												Maximum Rate 1/sec	
												Maximum Daily Vol m³/d	
Existing Design												15.75	
Max /Estd Current												48	
Proposed Design													
Ultimate Design													
Design Horizons: Proposed: Ultimate:		Sewerage system is % combined		Flow values for Consent Conditions		Existing		Proposed					

ING INFORMATION FOR A CONSENT / REVIEW (CONTINUED) Form SS.SI.1										Welsh Off Ref		GG 0086501					
ing to: DAROWEN STW										Welsh W A Ref							
ER AND EFFLUENT FLOWS AND DILUTIONS ows in m ³ /d. If estimated, give method:				Flows in Immediate Receiving Water				Flows in Main Receiving Water									
				Meas / Estd at OSGR: SH 8302 0137				Meas / Estd at OSGR:									
CATCHMENT COMPARISON				Minimum	5%ile	Mean	Minimum	5%ile	Mean								
					173	2162											
Effluent Statistic				Source of Data		Effluent Volume		Dilution Ratios - expressed as x River : 1 Effluent									
D:W.F.				Meas Estd				11:1		137:1							
Maximum				Meas Estd				3.6:1		45:1							
RIVER REGIME				Width, Depth & Reaeration				W	m	D	m	R	W	m	D	m	R
TREATMENT PLANT UNITS - with Critical Dimensions										Primary Sett.		Area m ²		2 tanks			
Unit		Detail		Existing		Proposed		Ultimate		Storm Tanks		Area m ²					
Storm S. O'flow		Set @ 1/s								" "		Volume m ³					
Screens		Space mm								Septic Tank		Volume m ³					
Well Retent'n		Hours								Biol. Filters		Media m ³		1 filter			
Pumping Rate		Max. 1/s								Act'd. Sludge #		Volume m ³					
Gritty Feed		Yes & No		Yes						Package Plant*		Surface m ²					
Flow Meas't.*		Yes / No		No						Pasveer Ditch#		Volume m ³					
Grit Removal		Yes / No		-						Final Sett't.		Area m ²					
Macer'n/Comm'n		Yes / No		-						Tert'y Treat.*		Area m ²		2 grass plots			
Other Units and Details		* Type # Power		SLUDGE TANKERED TO CENTRAL DIGESTER.													
SLUDGE TREAT. AND DISPOSAL																	
TRADE WASTES Types & m ³ /d																	
FURTHER DATA & STATEMENT From Dist/Div.																	
Additional conditions by effluents and changes EC Dangerous Substances EC Designated Waters SSSIs (Continue on Form SS.SI.2 if necessary)																	
CAPITAL WORKS		Outline Appra				Second Appra				Final Appra				Start		Finish	
District Ref		64/8/S208				District Contact				R. P. DALE				HOWQS Ref			
For use by: HQ WATER QUALITY SECTION																	
For use by: WELSH OFFICE																	

DAROWEN FFWYS.

DAROWEN C

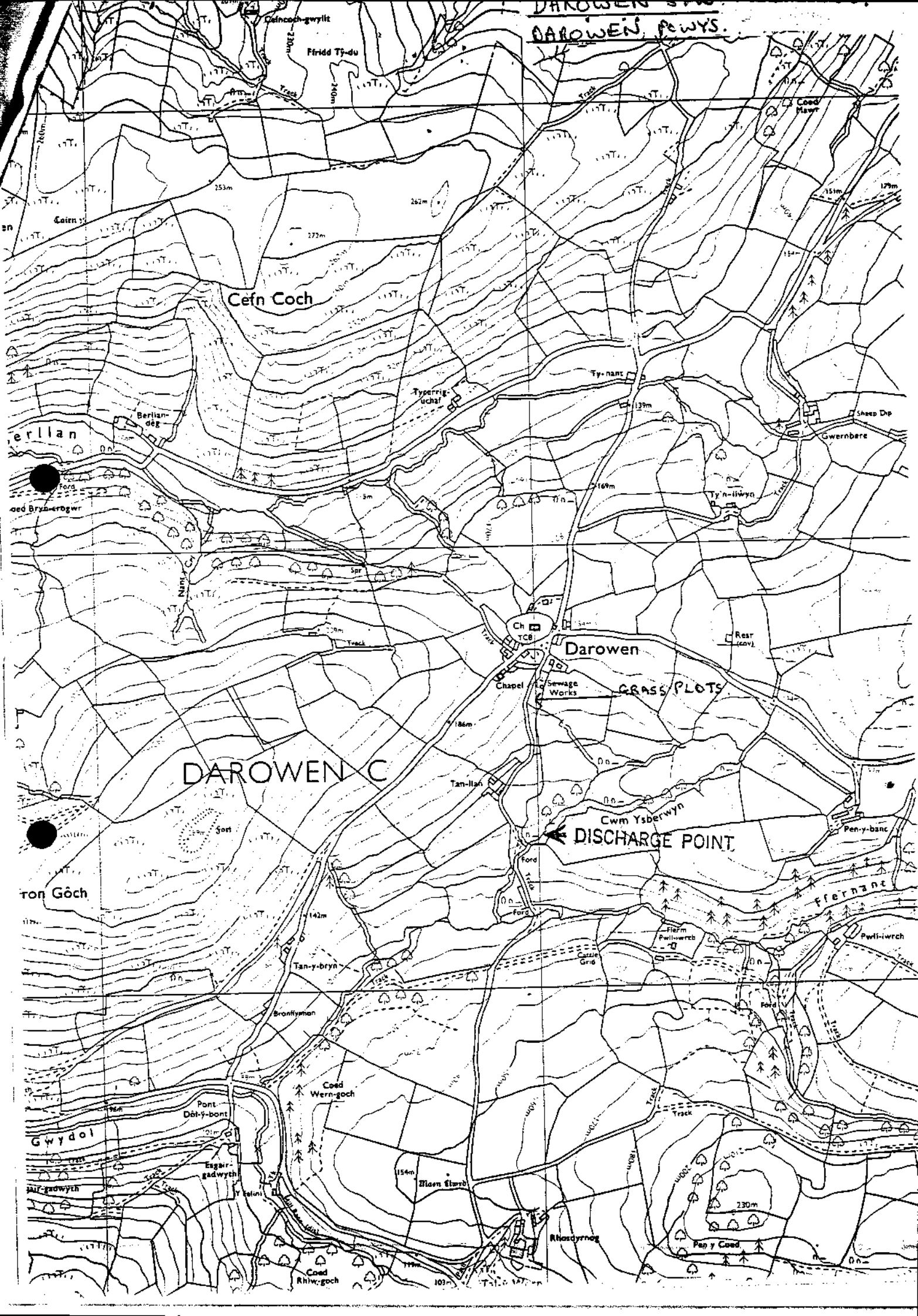
DISCHARGE POINT

Darowen

Cefn Coch

ton Gôch

Gwydol



CONSENT VARIATION

RIVERS (CONTROL OF POLLUTION) ACTS 1951-1961

THE WATER AUTHORITIES (CONTROL OF DISCHARGES) ORDER 1978

I am directed by the Secretary of State for Wales to refer to the discharge consent in respect of the ..DAROWEN..... sewage treatment works dated ..19. NOVEMBER. 1973.

The Secretary of State for Wales, having consulted with the Welsh Water Authority, hereby gives notice that in exercise of his powers under Articles 4(8) and 8 of the Water Authorities (Control of Discharges) Order 1978 (SI 1978 No 1210), the conditions imposed on the said consent shall be varied in the following terms:

CONDITIONS

The quality and quantity of effluent shall not exceed the following maximum values:

Biochemical Oxygen Demand (+ ATU) over 5 days at 20°C;20..... milligrammes per litre.

Suspended Solids dried at 105°C;30..... milligrams per litre.

Ammoniacal ammonia expressed as nitrogen .. milligrams per litre.

Dry Weather Flow litres per second or ..15.8... metres cubed per day.

Maximum rate of flow 0.6 litres per second or 48 metres cubed per day.

This variation takes effect from the ..30. January 1985.

This notice should be retained with the consent dated ..19. NOVEMBER 1973.

George Roberts

WEP Division
Welsh Office



CG-00865-01

LL55 1HE.

C.203/12 & MD/3/9. AJ/AL.

19th November, 1973.

Dear Sir,

Rivers (Prevention of Pollution Acts 1961-1966)
Sewage Disposal Works at Dargow

With reference to your application of 1st October 1973, the Gwynedd River Authority, in pursuance of their powers under the above Acts, hereby consent to the bringing into use of a new outlet for the discharge of treated sewage effluent and the making of a new discharge of treated sewage effluent into a tributary of Afon Ffernant at approximately grid reference NI 630014 in accordance with the plans submitted and subject to the following conditions:

1. The volume of the fully treated sewage effluent discharged under dry weather conditions shall not exceed 15.7m³ (3,500 gallons) in any period of 24 hours.
2. The treated sewage effluent discharged shall at no time:
 - (a) Contain more than 30 parts per million suspended solids (dried at 105 °C).
 - (b) Take up more than 20 parts per million of dissolved oxygen in 5 days at 20 °C.

The terms of this consent will not, without the consent in writing of the person to whom this consent is given (or his successor), be altered before the expiration of the period ending with the 29th day of October, 1975.

3. (a) The outlet shall be so constructed and maintained that samples may be readily taken.
- (b) The outlet shall be used for the discharge of treated sewage effluent only.

Yours faithfully,

The Clerk,
Machynlleth Rural District
Council,
11, Penrallt Street,
MACHYNLLETH.
Nant.


Clerk of the Authority

