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

ENVIRONMENT AGENCY

22 April 1997

Part A

To: DWR CYMRU CYFYNGEDIG
ENVIRONMENT QUALITY SCIENTIST
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 CG0073701

Nature of Discharge(s); SEWAGE EFF/TREATED EFF/CONTINUOUS
at
ABERANGELL STW, ABERANGELL, MACHYNLLETH

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: CG0073701 **Name:** DWR CYMRU CYFYNGEDIG
Address: ENVIRONMENT QUALITY SCIENTIST
PLAS-Y-FFYNNON
CAMBRIAN WAY
BRECON LD3 7HP

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:**

REGISTER

ASIANTAETH YR AMGYLCHEDD
ENVIRONMENT AGENCY

CONSENT NO.	CG0073701

WATER RESOURCES ACT 1991

SECTION 88 - SCHEDULE 10

NOTICE OF REVIEW OF CONSENT TO DISCHARGE

TO: Dŵr Cymru Cyfyngedig
Plas y Ffynnon
Cambrian Way
Brecon
LD3 7HP.

The **ENVIRONMENT AGENCY** ("The Agency") in pursuance of its powers under the Water Resources Act 1991 **HEREBY GIVES NOTICE OF REVIEW OF CONSENT** to the making of a discharge **OF SEWAGE EFFLUENT** as follows:

Biologically Treated Sewage Effluent
with respect to Consent No. CG0073701 issued on the 17th day of May 1988

FROM: Aberangell Sewage Treatment Works

AT: Aberangell, Machynlleth

TO: Afon Angell

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

Biologically Treated Sewage Effluent Schedule No. CG007370101

Subject to the provisions of Paragraphs 6 and 7 of Schedule 10 of the Water Resources Act 1991, no notice shall be served by the Agency, which alters the effect of modifications made by this notice, without the agreement in writing of the discharger, during a period of 2 years from the date this notice is served.

Dated this 11th day of July 1996

Signed .....
Area Water Quality Manager

Dr JOHN STONER Rheolwr Cyffredinol Rhanbarthol / Regional General Manager
Asiantaeth yr Amgylchedd
Llwyn Brain, Ffordd Penlan, Parc Menai, Bangor, Gwynedd LL57 4DE.
Ffôn: (01248) 670770, Ffacs: (01248) 670561, GTN 7-26 X 4000
Environment Agency
Llwyn Brain, Ffordd Penlan, Parc Menai, Bangor, Gwynedd LL57 4DE.
Tel: (01248) 670770, Fax: (01248) 670561, GTN 7-26 X 4000

ASIANTAETH YR AMGYLCHEDD
ENVIRONMENT AGENCY

CONSENT NO.	CG0073701
SCHEDULE NO.	CG007370101
DATED	11/07/96

CONDITIONS OF CONSENT TO DISCHARGE

Biologically Treated Sewage Effluent ("the Discharge")

FROM: Aberangell Sewage Treatment Works

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

(b) Provided that the Discharge hereby consented is made in accordance with the following conditions of this consent, such discharge shall not be taken to be in breach of condition (a) above by reason of containing substances or having properties identified in and controlled by these conditions.

NATURE

2. The Discharge shall consist solely of biologically treated sewage effluent containing no trade effluent.

LOCATION

3. The Discharge shall be made in the manner and at the place specified as:

(a) discharging via a 150mm diameter pipe.

(b) discharging to the Afon Angell.

(c) at National Grid Reference SH 8457 0970.

(d) shown marked "Discharge Point" on Plan CG0073701 attached as Annex 1.

SAMPLE POINT

4. The outlet to the watercourse shall be constructed, maintained and appropriately labelled so that a representative sample of the Discharge may be obtained at National Grid Reference SH 8457 0970 as shown marked "Discharge Point" on Plan CG0073701.

CONSENT NO.	CG0073701
SCHEDULE NO.	CG007370101

VOLUME

5. The volume of the Discharge shall not exceed 81 cubic metres per day.

6. The dry weather flow of the Discharge shall not exceed 27 cubic metres per day.

For the purposes 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.

7. The rate of discharge shall not exceed 1 litre per second.

COMPOSITION

8. As far as is reasonably practicable, the works shall be operated so as to prevent:

   (a) any matter being present in the Discharge to such an extent as to cause the receiving waters, or any waters of which the receiving waters are a tributary, to be poisonous or injurious to fish in those waters, or to the spawning grounds, spawn or food of fish in those waters, or otherwise cause damage to the ecology of those waters; and

   (b) the Discharge from having any other adverse environmental impact.

MAINTENANCE

9. 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.	CG0073701
SCHEDULE NO.	CG007370101

UNUSUAL WEATHER CONDITIONS

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 the conditions contained in paragraphs 8. and 9. of this consent 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 $5^{o}C$ 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 discharger shall use its best endeavours to mitigate that adverse affect.

(d) For an inspection of the sewage treatment works to be considered for the purposes of (a) above, the discharger 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.

ASIANTAETH YR AMGYLCHEDD
ENVIRONMENT AGENCY

CONSENT NO.	CG0073701
SCHEDULE NO.	CG007370101

RECORDING AND REPORTING

11. (a) The discharger shall establish and operate a documented maintenance programme and record all non-routine actions undertaken that may have adversely affected effluent quality. Copies of the programme shall be made available for inspection by the Agency's officers at all reasonable times.

(b) On request the discharger shall supply the Agency with a written report on the maintenance and all non-routine actions that may have adversely affected effluent quality.

RURAL ED

PLAN CG073701

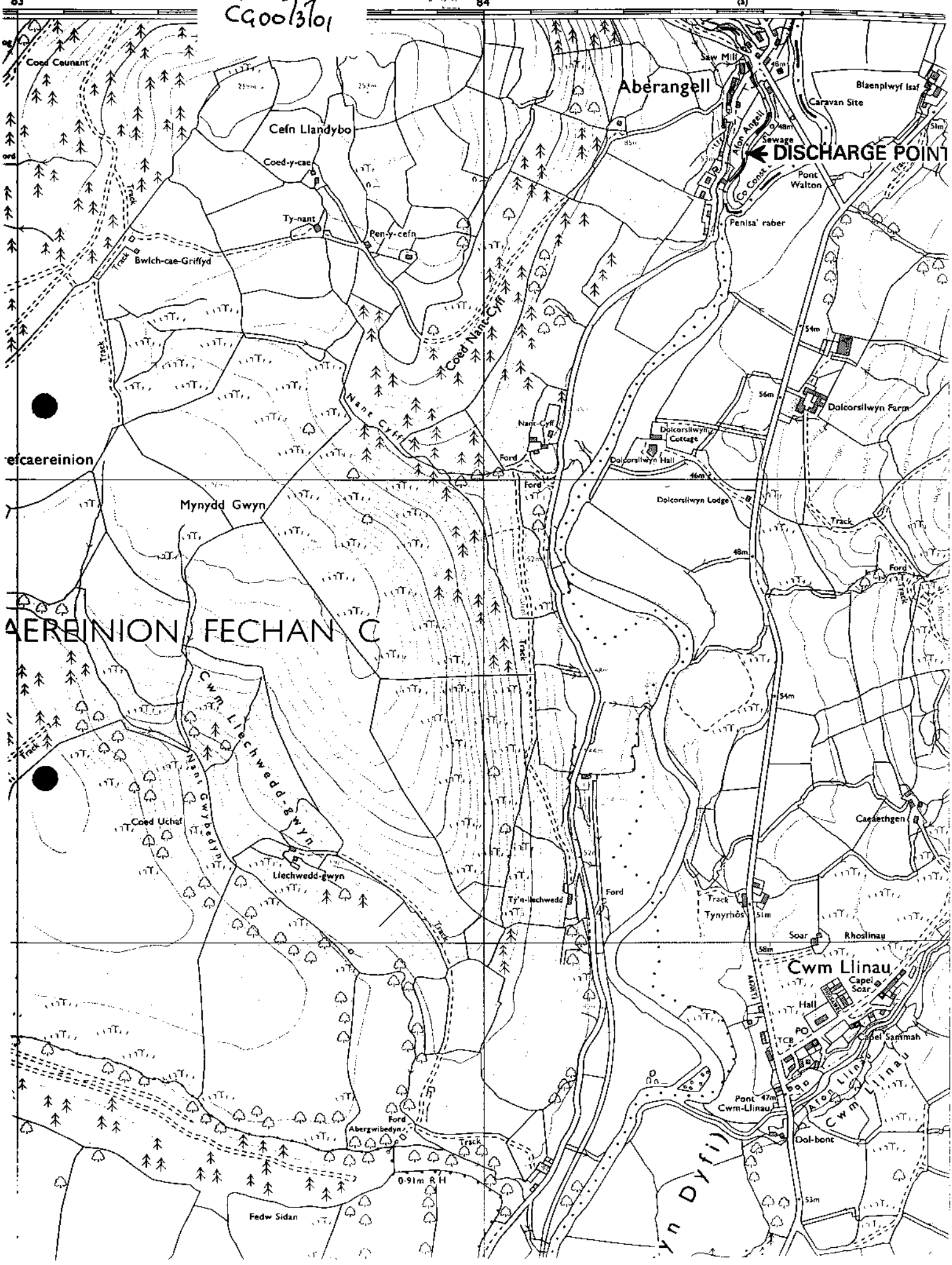
31 WARD

LONG 3° 43'W

83

84

(a)



ENVIRONMENT AGENCY

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:	*Official Use Only*
DWR CYMRU WELSH WATER	*Dist/Area Ref:* North
	Application No. CQ0073701 (Review)
	Date Received:
	Fee Received: £537

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 the relevant sections and provision 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.

ABER ANGELL STW
MACHYNLLETH

Post Code:

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 81 m³/day

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

3 x DWF (27m³/d) { VARIATION OF CONSENT DATED 21/3/1983 }

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 ☑
2. Channel ☐
3. Culvert ☐
4. Borehole ☐
5. Well ☐
6. Soakaway ☐
7. Sub-Irrigation System ☐
8. Combination of 6. & 7. ☐
9. Other *(please specify below)* ☐

6 INCH PIPE = 150 mm

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

S H / 8 4 5 7 / 0 9 7 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)

☐☐ / ☐☐☐☐ / ☐☐☐☐ *(please indicate on accompanying plans)*

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

DESCRIPTIVE CONSENT BEING SOUGHT.

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

1. Well ☐
2. Borehole ☐
3. Precipitation (eg. rain or snow) ☐
4. Mains *(please state water supply company)* ☐

N/A

5. River *(please give name below)* ☐
6. Estuary *(please give name below)* ☐
7. Coastal Water *(please give name below)* ☐

N/A

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

State name of receiving water if known:

AFON ANGELL

4.2 In the case of sub-irrigation systems, soakaways or boreholes:-

(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. m

(e) For sub-irrigation systems, soakaway pits, wells and boreholes, state maximum depth in metres. m

(f) For boreholes, state details of lining in metres:

(i) Depth of lining m

(ii) Depth of perforated lining m

(iii) Depth of unperforated lining 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)? Y/N
If yes, please give the reasons it is not practical to connect to it (eg. distance, flow etc.).

N/A

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 WELSH WATER

Post Code:

Daytime Telephone Number:

Company Registration Number (if appropriate):

(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.

ENVIRONMENT AGENCY

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 Annexe 3 should also be completed).

Official Use Only
Application No.

1. Site Name.

ABER ANGELL STW

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

SEPTIC TANK, FILTER

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). 81 m³/d

b) Dry weather flow of discharge(s). 27 m³/d

c) Average daily flow. m³/d

d) Maximum rate of discharge(s) 0.94 l/s

4. Will there be provisions for storm/emergency discharges? ~~Y~~/N
If yes, please complete Annexe 2.

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

DESCRIPTIVE CONSENT SOUGHT

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

DESCRIPTIVE CONSENT SOUGHT

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

190

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

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

RESIDENTIAL (RURAL)

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

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

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.

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 ☐

SEPTIC TANK + FILTER

b) Will the treatment process involve the use of any chemicals (eg ferric salts, polyeletrolytes) Y/N
If yes please give details.

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

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.

2.7 a) Are there any existing consents for discharge 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).*

COPY ENCLOSED

b) Has any person had a Prohibition Notice served 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.

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

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

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 Environment 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 by completing section 5.2 above **(see note xiv)**.

(* Delete as appropriate)

SIGNED: Thomas Woodward **PRINT NAME:** T.P. Woodward

ON BEHALF OF: Dwr Cymru Welsh Water **DATED:** 21.5.96

o O o

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

CG007301

WEPD/S2/23/D7

WO REF WEP/WS 9111/93

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 Aberangell Sewage Treatment Works to the ground at National Grid Reference SH 8457 0970 in accordance with the application dated 24 March 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 17 day of May 1988

Signed
on behalf of the Secretary
of State for Wales

WELSH OFFICE REF

FORM COPA 3
(MARCH 1986)

WHA HQ REF CS0073701

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 ABERANGELL STW MACHYNLLETH, POWYS
(National Grid Reference SH8457 0970).

1. The effluent derives from domestic sewage from a population of 190 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 injurous 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 .....
(Name) .....
Divisional Operations Manager

Signed .....
(Name) .....
District Scientist

Dated this 31st
Day of March 1985

Welsh Office Ref

FORM COPA 1
(MARCH 1986)

WWA HQ REF 000073
WWA DIST REF 64/6/S

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 ABERANGELL STW,
MACHYNLLETH, POWYS

Division NORTH/WEST

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

WATER QUALITY OFFICER

Date 23.3.88

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

DGW/KLF/IW/7.1b
23rd June 1986

WELSH WATER AUTHORITY	Welsh Office Form COPA4	Welsh Off Ref	
SUPPORTING INFORMATION FOR CONSENT/REVIEW - WWA Form SS.SI.1		Welsh W A Ref	CG0073701

DISCHARGER +Agent	WELSH WATER AUTHORITY	WWA District	N / W
PREMISES / SOURCE Address/Location	ABERANGELL STW,MACHYNLLETH, POWYS		
DISCHARGE TYPE	FULLY 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: 21.3.83
ADVERTISEMENT ?	Yes / No because:		

OUTLET DETAILS	New / Already / Exg	OS Ref	SH8457 0970	Diam	mm	Form	
SAMPLING POINT	TDIB SPT		OS Ref		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 Situatn		Short-term RQO			Long-term RQO			TDIB SPT Refs
	Assessed by :	NWC	Biol	NWC	Biol	by	NWC	Biol	by	Up / Down
Immed. Yes / No	Immed. Up / Down	/	/	/	/	19	/	/	19	/
Main Yes / No	Main Up / Down	/	/	/	/	19	/	/	19	/

USE(S) OF THE RECEIVING WATER, whether surface or groundwater	Exg / Future Use(s)	PotWS	IndWS	AgrWS	Stock	SalFish	CrsFish	WSports	VisAmen	Other
	Of Immed R.W. @ km									
	Of Main R.W. @ km									
	Effect of discharge on uses, etc.									

EFFLUENT QUALITY DATA - derived from: samples taken from: to : (mg/l except pH)	Determinand						
	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						
	Proposed 95%ile						
	Proposed Maximum						
	Application						

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 Oflow Weir Setting x DWF	Storm Sewage Oflow Weir Setting l/sec	Maximum Rate l/sec	Maximum Daily Vol m³/d
Existing Design										
Meas'd/Estd Current	190									
Proposed Design										
Ultimate Design										

Design Horizons: Proposed: Ultimate:	Sewerage system is % combined	Flow values for Consent Conditions	Existing				

SUPPORTING INFORMATION FOR A CONSENT / REVIEW (CONTINUED) Form SS.SI.1

Relating to: ABERANGELL STW MACHYNLLETH, POWYS

Welsh Off Ref

Welsh W A Ref CG0073701

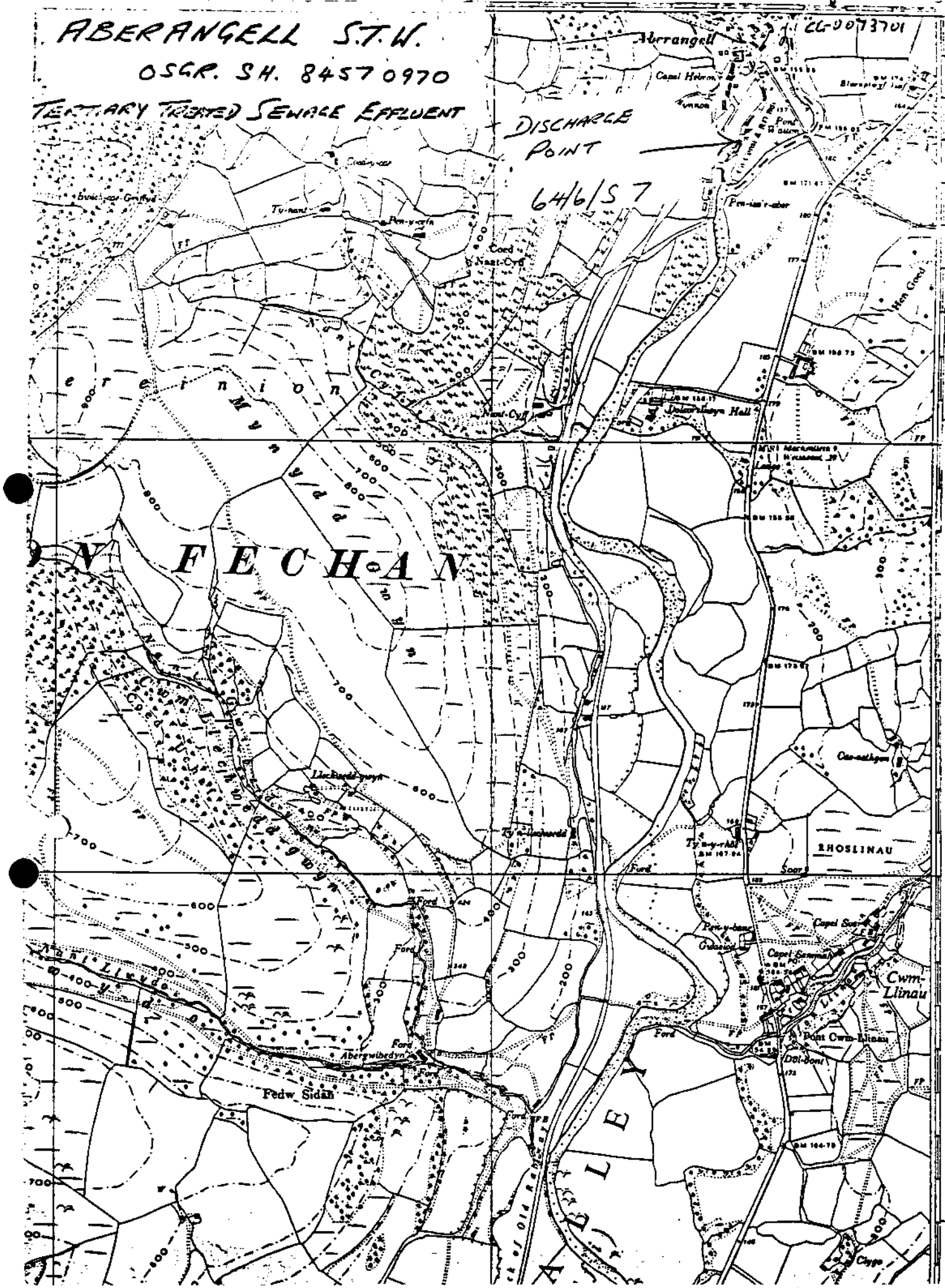
RIVER AND EFFLUENT FLOWS AND DILUTIONS Flows in m³/d. If estimated, give method:			Flows in Immediate Receiving Water Meas / Estd at OSGR:			Flows in Main Receiving Water Meas / Estd at OSGR:		
			Minimum	5%ile	Mean	Minimum	5%ile	Mean
Effluent Statistic	Source of Data	Effluent Volume						
			Dilution Ratios - expressed as x River : 1 Effluent					
D.W.F.	Meas / Estd							
Maximum	Meas / Estd							
RIVER REGIME	Width, Depth & Reaeration		W m	D m	R	W m	D m	R

TREATMENT PLANT UNITS - with Critical Dimensions									
Unit	Detail	Existing	Proposed	Ultimate					
Storm S. O'flow*	Set @ l/s				Primary Sett.	Area m²			
Screens	Space mm				Storm Tanks	Area m²			
Well Retent'n.	Hours				" "	Volume m³			
Pumping Rate	Max. l/s				Septic Tank	Volume m³	✓		
Gravity Feed	Yes / No				Biol. Filters	Media m³	✓		
Flow Meas't.*	Yes / No				Act'd. Sludge #	Volume m³			
Grit Removal	Yes / No				Package Plant*	Surface m²			
Macern/Comm'n.	Yes / No				Pasveer Ditch#	Volume m³			
Other Units and Details	* Type # Power				Final Sett't.	Area m²			
					Tert'y Treat.*	Area m²			

SLUDGE TREAT. AND DISPOSAL	
TRADE WASTES Types & m³/d	NONE
FURTHER DATA & STATEMENT From Dist/Div. Additional conditions Nearby effits 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	64/6/S7		District Contact	R. P. DALE			HQWQS Ref		
For use by: HQ WATER QUALITY SECTION									
For use by: WELSH OFFICE									

DHM.srt.2.0586


ABERANGELL S.T.W.
OSGR. SH. 84570970
TERTIARY TREATED SEWAGE EFFLUENT
DISCHARGE POINT
64/6/S7
CG-9073701
Aberrangell
Pen-rai'r-aber
Hen Coed
Nant-Cyll
Nant-Cyll Hall
Tu-nant
Pen-y-cefn
Coed Nant-Cyll
Llechwedd-gwyn
Ty'n-llechwedd
Ty'n-y-rhiw
RHOSLINAU
Pen-y-lanc
Capel Seion
Capel Gwynfil
Cwm-Llinau
Pont Cwm-Llinau
Dol-bont
Cae-uchgoe
Cae-isgoe
Nant Llechwedd-gwyn
Nant Coed-y-cwm
Nant Llechwedd-gwyn
Nant-y-Llwyn
Aberswibedyn
Ford
Fedw Sidan
Clogo
N FECHAN
ALEY

Welsh Off Ref		Form SS.RW2	WWA HQ Ref	RW/0490/1/1

Sheet
of

LOCAL GOVERNMENT ACT 1972 WATER ACT 1973
RIVERS (PREVENTION OF POLLUTION) ACTS 1951-1961
WATER AUTHORITIES (CONTROL OF DISCHARGES) ORDER 1978

NOTIFICATION OF VARIATION OF CONSENT

for a discharge of treated sewage effluent CG00737-01

To : WELSH WATER AUTHORITY

This Notice is issued under the above-mentioned Acts and Order and all other enabling powers as a NOTICE DEEMED TO HAVE BEEN GIVEN BY THE SECRETARY OF STATE FOR WALES, in respect of the existing discharge of treated sewage effluent from the Authority's :

ABER ANGELL SEWAGE TREATMENT WORKS

via an existing outlet and subject hitherto to a previous consent as specified below.

THE EXISTING OUTLET is to : the Afon Angell

at National Grid Reference : SH 8457 0970

and has been shown marked : Discharge Point

on the attached Plan, No. : RW/0490/1/1

THE PREVIOUS CONSENT was : the Consent Reference No. -

granted on : 6th November 1967

by : Gwynedd River Authority

to : Dolgellau Rural District Council

The Authority submitted this Notification of Variation on : 21st December 1982 to the Secretary of State for Wales in the form of a draft and the Secretary of State has NOT, within the relevant period, given notice of his intention to determine this matter. This discharge is therefore (in substitution for all the conditions hitherto in force) subject only to the following conditions as from : 21st March 1983

CONDITIONS

1. The discharge shall consist only of treated sewage effluent from the above works.
2. The quality and quantity of effluent shall not exceed the following maximum values:

Determinand	Value	Unit
Biochemical Oxygen Demand (+ATU) over 5 days at 20°C	20	milligrams per litre
Suspended Solids dried at 105°C	30	milligrams per litre
Rate of discharge	0.94	litres per second
Volume during any period of 24 consecutive hours	81	cubic metres
Volume discharged under 'dry weather conditions' during any period of 24 consecutive hours	27	cubic metres

3. Adequate facilities shall be provided for the taking of samples of the effluent at: outlet to the Afon Angell

The terms of this Notice will not, without the consent in writing of the person to whom this Notice is given, (or his successor), be altered before the expiration of the period ending with the Twenty-first day of March 19 85 .

This Notification is issued by the Directorate of Scientific Services, Headquarters, Welsh Water Authority, Cambrian Way, Brecon, Powys.

RW/0490/I/1

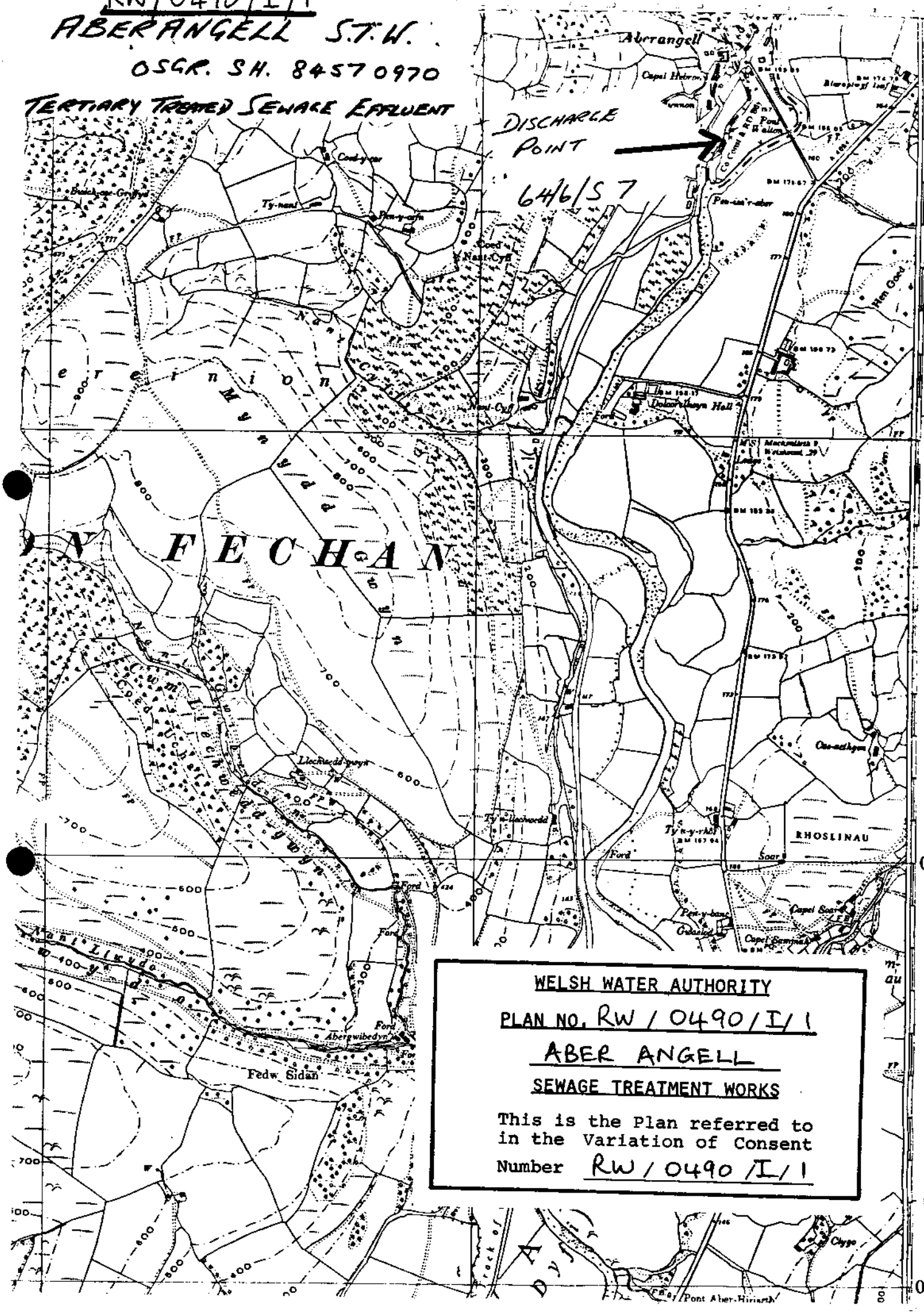
ABERANGELL S.T.W.

OSGR. SH. 84570970

TERTIARY TREATED SEWAGE EFFLUENT

DISCHARGE POINT

646157



WELSH WATER AUTHORITY

PLAN NO. RW / 0490 / I / 1

ABER ANGELL

SEWAGE TREATMENT WORKS

This is the Plan referred to in the Variation of Consent Number RW / 0490 / I / 1

CGC0737-01

J/ L. 1.03/11 & M/21/12 6th November, 1967.

Dear Sir,

Rivers (Prevention of Pollution) Acts 1951 to 1961
Aberangell Sewage Treatment Works

With reference to your Consulting Engineers application of 12th October 1967, 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 of treated sewage effluent into the Afon Angell at a point on its left bank some 50 yards downstream of the sewage treatment works in accordance with the plan numbered 152.1/40 and subject to the following conditions:-

1. The discharge shall at no time:-

   (a) Contain more than 30 parts per million suspended solids (dried at 105° .

   (b) Take up more than 20 parts per million 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 1st day of December 1969.

Yours faithfully,

Clerk of the Authority

The Clerk,
Dolgellau Rural District Council,
Rural District Council Offices,
[illegible]

Copy sent to Messrs. C.E. Braine & Partners,
Consulting Engineers, Jotham's Buildings,
26/27 St. Mary Street, Cardiff.