

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 CG0023901

Nature of Discharge(s); SEWAGE EFF/TREATED EFF/CONTINUOUS
at NANTMOR 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 :	CG0023901	VERSION :	2		
OPERATOR :	DWR CYMRU CYFYNGEDIG				
DISCHARGE SITE :	NANTMOR STW				
EXTANT CONSENT ISSUE DATE :	17/05/1988	EFFECTIVE DATE :	17/05/1988		
DWF (m ³ /day) :		MAX DAILY VOL. (m ³ /day) :	UNSPECIFIED	RATE (l/s) :	

Records held on WIMS show NANTMOR STW (CG0023901) to be extant under version 2 issued 17/05/1988 with descriptive consent conditions, effective 17/05/1988. The works is currently consented to discharge a max daily volume of UNSPECIFIEDm³/day effluent to the GLASLYN at NGR SH5957045640.

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 'GLASLYN', 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)



65/6/5153

WEPD/S2/23/D7

EG00089-01

WO REF WEP/WS 9111/24

WELSH OFFICE

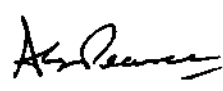
**CONTROL OF POLLUTION ACT 1974: SECTIONS 34 AND 55
THE CONTROL OF POLLUTION (DISCHARGES BY AUTHORITIES) REGULATIONS 1984
CONSENT FOR A DISCHARGE**

1. The Welsh Water Authority (hereinafter referred to as 'the Water Authority') proposes to discharge sewage effluent from the Nantmor Sewage Treatment Works to the Afon Glaslyn at National Grid Reference SH 5957 4564 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
May 1988

17

day of

Signed 
on behalf of the Secretary
of State for Wales

(MARCH 1986)

WMA 29 25700023901

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

CG CO 239-01

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 NANTMOR STW
NANTMOR, BEDDGELERT, CAERNARFON, GWYNEDD
(National Grid Reference SH 59574564).

1. The effluent derives from domestic sewage from a population of 70 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
(Name)
Divisional Operations Manager

Signed
(Name)
District Scientist

Dated this
Day of 1988

(MARCH 1986)

WWA DIST RE 65/6/S15

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 NANTMOR STW: NANTMOR, BEDDGELERT, CAERNARFON,
GWYNEDD.

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 22.5.88

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

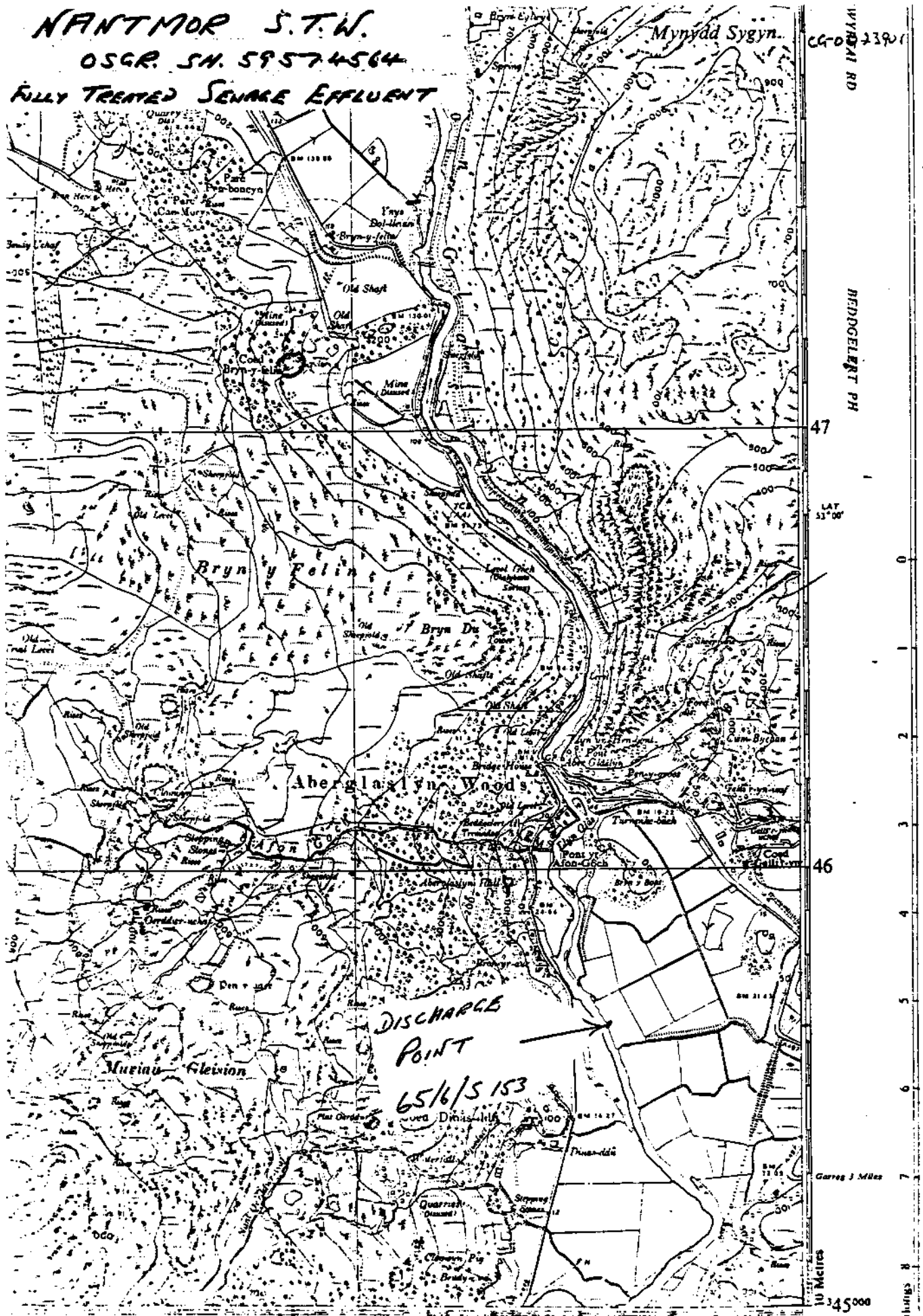
WELSH WATER AUTHORITY		Welsh Office Form COFA4		Welsh Off Ref			
SUPPORTING INFORMATION FOR CONSENT/REVIEW - WWA Form SS.SI.1				Welsh W A Ref		CG0023901	
DISCHARGER +Agent		WELSH WATER AUTHORITY				WWA District N / W	
PREMISES / SOURCE Address/Location		NANTMOR STW, NANTMOR, BEDDGELERT, CAERNARFON, GWYNEDD					
DISCHARGE TYPE		FULLY TREATED SEWAGE EFFLUENT					
DISCHARGE STATUS		New reqg Consent		Exg reqg Review		Exg reqg Consent	
				Prevly Exempt		Temply until	
CONSENT / REVIEW EXISTING - issued		To: WELSH WATER AUTHORITY			By: WELSH OFFICE		Date: 30.1.85
ADVERTISEMENT ?		XXXX Yes/No because:					
OUTLET DETAILS		New/Altered/Exg		OS Ref SH59574564		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		GLASLYN / kms >			
Water in current RQO Programme ?		Data for :		Current Situath		Short-term RQO	
						Long-term RQO	
		Assessed by :		NWC		Bio1	
				NWC		Bio1	
		Immed. Up / Down		3A / 3A		/	
				/		/	
		Main Up / Down		/		/	
				/		/	
USE(S) OF THE RECEIVING WATER, whether surface or groundwater		Exg / Future Use(s)		PotWS		IndWS	
				AgrWS		Stock	
		Of Immed R.W. @ km					
		Of Main R.W. @ km					
		Effect of discharge on uses, etc.					
EFFLUENT QUALITY DATA - derived from: 13 samples taken from: 01.01.82 to : (mg/l except pH)		Determinand		BOD		SS	
		Maximum		68		92	
		Minimum		1		1	
		Mean		19.38		23.38	
		Standard Deviation		20.12		25.86	
		Median / 50%ile					
		95%ile: N / LN / NP		81.88		98.59	
				32.32			
QUALITY LIMITS (mg/l except pH) S/W if seasonal 1/2 if phased		Existing		150		150	
		Proposed 95%ile		DESCRIPTIVE CONSENT			
		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 Of flow Weir Setting x DWF	
						1/sec	
						Maximum Rate l/sec	
						Maximum Daily Vol m³/d	
Existing Design							
XXV New/Estd Current		70				10.4	
Proposed Design						-	
Ultimate Design							
Design Horizons: Proposed: Ultimate:		Sewerage system is % combined		Flow values for Consent Conditions		Existing 10.4	
						Proposed	
						0.4	
						31.2	

SUPPORTING INFORMATION FOR A CONSENT / REVIEW (CONTINUED) Form SS.SI.1						Welsh Off Ref							
Relating to: NANTMOR STW, NANTMOR, BEDDGELERT, CAERNARFON						Welsh W A Ref		CG 0023901					
RIVER AND EFFLUENT FLOWS AND DILUTIONS			Flows in Immediate Receiving Water			Flows in Main Receiving Water							
Flows in m ³ /d. If estimated, give method:			Meas / Estd at OSGR:			Meas / Estd at OSGR:							
CATCHMENT COMPARISON			Minimum			5%ile		Mean					
Effluent Statistic			Source of Data			Effluent Volume		58270					
			Dilution Ratios - expressed as x River : 1 Effluent										
D.W.F.			Meas / Estd			10.4		5602					
Maximum			Meas / Estd										
RIVER REGIME		Width, Depth & Reaeration		W		m		D					
				m		R		m					
TREATMENT PLANT UNITS - with Critical Dimensions					Primary Sett.		Area		m ²				
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 ✓			
Pumping Rate		Max. 1/s								Act'd. Sludge #			
										Volume m ³			
Gravity Feed		Yes / No								Package Plant*			
										Surface m ²			
Flow Meas't.*		Yes / No								Pasveer Ditch#			
										Volume m ³			
Grit Removal		Yes / No								Final Sett't.			
										Area m ²			
Macern/Comm'n.		Yes / No								Tert'y Treat.*			
										Area m ²			
Other Units and Details		* Type # Power											
SLUDGE TREAT. AND DISPOSAL													
TRADE WASTES Types & m ³ /d		NONE											
FURTHER DATA & STATEMENT From Dist/Div.													
Additional conditions													
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		65/6/S153		District Contact		R. P. DALE		HQWQS Ref					
For use by: HQ WATER QUALITY SECTION													
For use by: WELSH OFFICE													

NANTMOR S.T.W.

OSGR. SH. 59574564

FULLY TREATED SEWAGE EFFLUENT



RIVERS (CONTROL OF POLLUTION) ACTS 1951-1961

THE WATER AUTHORITIES (CONTROL OF DISCHARGES) ORDER 1978

CG00239-01

I am directed by the Secretary of State for Wales to refer to the discharge consent in respect of the .NANTMOR..... sewage treatment works dated .26...MAY..... 1981.

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;150..... milligrammes per litre.

Suspended Solids dried at 105°C;150..... milligrammes per litre.

Ammoniacal ammonia expressed as nitrogen50..... milligrammes per litre.

Dry Weather Flow litres per second or ...10:4... metres cubed per day.

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

This notice should be retained with the consent dated .26...MAY...1981.

George Roberts
WEP Division
Welsh Office

Welsh Off Ref

Form SS.RW2

WWA HQ Ref

RW/0455/1/1

Sheet 1
of 1

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

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 :

NANTMOR SEWAGE TREATMENT WORKS

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

THE EXISTING OUTLET is to : the Afon Glaslyn

at National Grid Reference : SH 5957 4564

and has been shown marked : Discharge Point

on the attached Plan, No. : RW/0455/1/1

THE PREVIOUS CONSENT was : The Consent

Reference No. -

granted on : 10th February 1964

by : Gwynedd River Board

to : Gwyrfai Rural District Council

The Authority submitted this Notification of Variation on : 26th February 1981 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 : 26th May 1981

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:

<u>Determinand</u>	<u>Value</u>	<u>Unit</u>
Biochemical Oxygen Demand (+ATU) over 5 days at 20°C	48	milligrams per litre
Suspended Solids dried at 105°C	42	milligrams per litre

Rate of discharge	0.4	litres per second
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Volume during any period of 24 consecutive hours	31.2	cubic metres
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Volume discharged under 'dry weather conditions' during any period of 24 consecutive hours	11	cubic metres
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3. Adequate facilities shall be provided for the taking of samples of the effluent at: the sampling chamber approximately 3 metres after filter.

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-sixth day of May 19 83 .

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

NANTMOR S.T.W.

OSGR. SH. 59574564

FULLY TREATED SEWAGE EFFLUENT



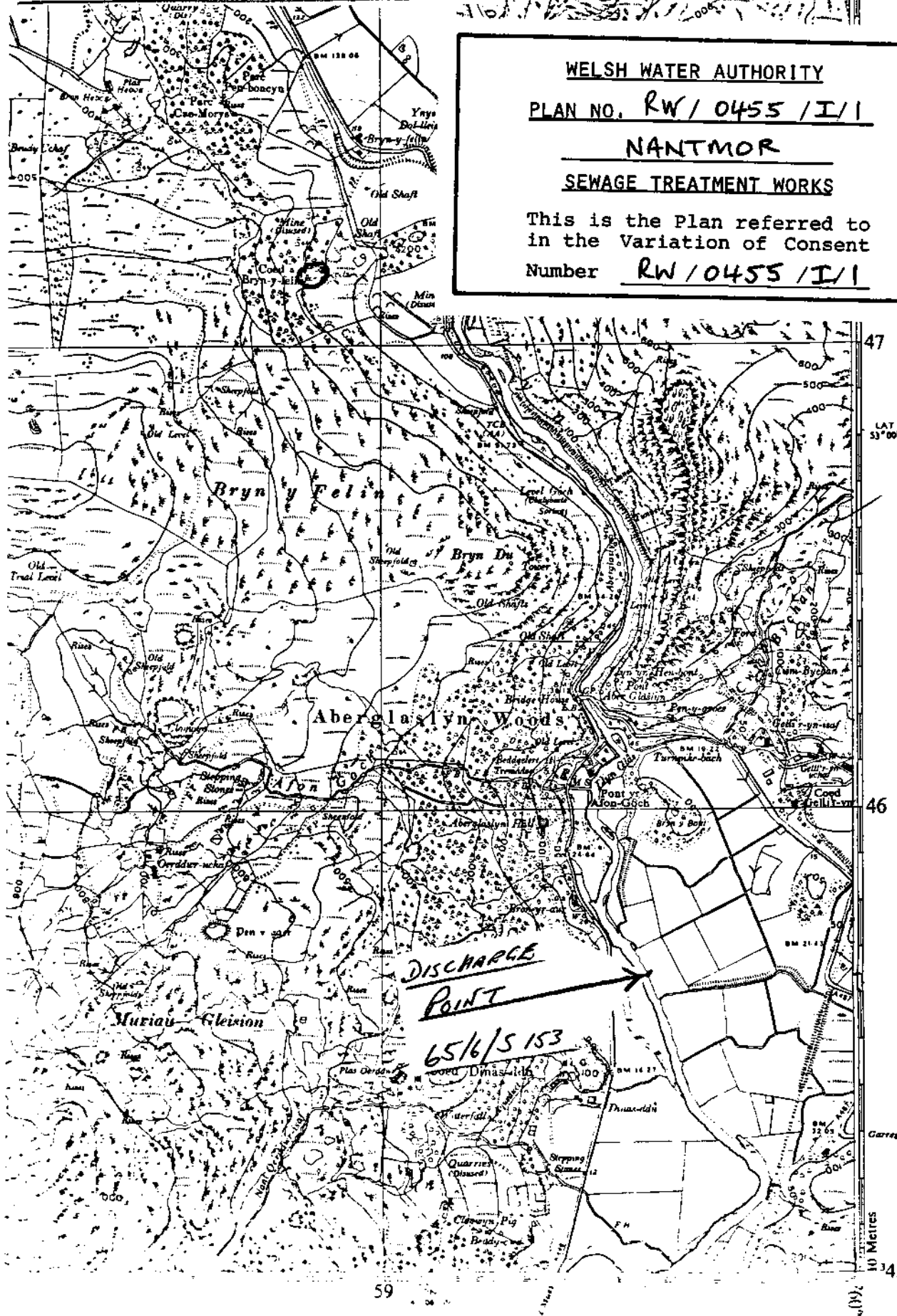
WELSH WATER AUTHORITY
PLAN NO. RW/0455/I/I

NANTMOR

SEWAGE TREATMENT WORKS

This is the Plan referred to
in the Variation of Consent

Number RW/0455/I/I



GWYNEDD RIVER BOARD**(Prevention of Pollution) ACT 1961—SECTION 1
CONSENT TO A PRE-1951 DISCHARGE**

To:

The Clerk,
Caernarfon District Council,
Gwllips,
Caernarvon.

CG00239-01

Re: Treated Sewage Effluent Discharge - Llanrhonwg Sewage Treatment Works.

The GWYNEDD RIVER BOARD HEREBY CONSENT under sub-section (4) of Section 1 of the Rivers (Prevention of Pollution) Act 1961 to the continuance of a discharge of trade or sewage effluent which commenced before 1st October 1951 to a stream within the area of the Board, viz: *the Gwynedd River, at a point on the left bank 100 yards downstream of Trawsfynydd.*

This Consent is given subject to the following conditions:

1. The treated sewage effluent discharged shall at all times—
 - (a) contain suspended solids in excess of 20 parts per million (ppm) at 20° C.
 - (b) take up more than 20 parts per million of standard oxygen at 20° C.
 - (c) contain any matter to such an extent as to cause the stream to be poisonous or injurious to fish, fish spawn or the flora or fauna.
2. The volume of treated effluent discharged shall not exceed 2,000,000 gallons (any weather flow) in any period of 24 hours.
3. Sewerage facilities being provided and maintained at the outlet point of the stream.

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

Highfield,
Caernarvon.

Miller
Clerk of the Board.

10 FEB 1964

19....

Attention is drawn to the extracts from the Act printed on the back of this consent.

