

**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



**CG0012301\_2006\_03\_02**

The Environment Agency ("the Agency") hereby confirm that the above named person is a/the registered holder of consent CG0012301

Nature of Discharge(s); SEWAGE EFF/TREATED EFF/CONTINUOUS  
at  
PENCAENEWYDD 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 21<sup>st</sup> April 2004. All details shown on this file note are based on the permission extant as of this date.

CONSENT REF :	CG0012301	VERSION :	2		
OPERATOR :	DWR CYMRU CYFYNGEDIG				
DISCHARGE SITE :	PENCAENEYDD STW PWLLHELI				
EXTANT CONSENT ISSUE DATE :	17/05/1988	EFFECTIVE DATE :	17/05/1988		
DWF (m <sup>3</sup> /day) :	15	MAX DAILY VOL. (m <sup>3</sup> /day) :	41	RATE (l/s) :	

Records held on WIMS show PENCAENEYDD STW PWLLHELI (CG0012301) 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 41m<sup>3</sup>/day effluent to the TRIB OF ERCH at NGR SH4092040760.

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 41m<sup>3</sup>/day effluent to 'TRIB OF ERCH', 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)

# **GWYNEDD RIVER BOARD**

**RIVERS (PREVENTION OF POLLUTION) ACT 1961—SECTION 1**  
**CONSENT TO A PRE—1961 DISCHARGE**

To: **The Llanwrthwl District Council**  
 Llanwrthwl,  
 Gwynedd, Wales,  
 Gwynedd, Wales.

**Not "Notified" average effluent discharge - Pencaernwydd average imposed 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: **to the Aledon, at a point on the right bank, 400 ft. downstream of Pencaernwydd Bridge**

This Consent is given subject to the following conditions:

1. **The treated sewage effluent discharged shall at no time:-**
  - (a) contain suspended solids in excess of 30 parts per million (dried at 105°C).
  - (b) discharge more than 30 parts per million of dissolved oxygen in 5 days at 20°C.
  - (c) contain any matter to such an extent as to cause the stream water to be poisonous or injurious to fish, or to start or the loss of fish.
2. **The volume of treated sewage effluent discharged shall not exceed 3,600 gallons (any weather flow) in any period of 24 hours.**
3. **Sampling facilities being provided and installed at the outfall pipe to 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 **1st** day of **December** **1965**.

Highfield,  
 Caernarvon.

*W. J. J. J.*  
 Clerk of the Board.

*20/11/63*

19.....

CONSENT VARIATION

WER/24/05

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 PENKAFEN WYDD sewage treatment works dated 20. NOVEMBER. 1963

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; ..... 130 .....  
milligrammes per litre.

Suspended Solids dried at 105°C; ..... 75 ..... milligrammes per litre.

Ammoniacal ammonia expressed as nitrogen ..... 1 ..... milligrammes per litre.

Dry Weather Flow ..... litres per second or ..... 15 ..... metres  
cubed per day.

Maximum rate of flow 0.5 metres per second or  
41 metres cubed per day.

This variation takes effect from the 30. January 1985.

This notice should be retained with the consent dated 20. NOVEMBER 1963.

WEPD/S2/23/D7

WO REF WEP/WS 9111/9

## 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 Pencaenewydd Sewage Treatment Works to a tributary of the Afon Erch at National Grid Reference SH 4092 4076 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

THE CONTROL OF POLLUTION ACT 1974: SECTION 34  
THE CONTROL OF POLLUTION (DISCHARGES BY AUTHORITIES)  
REGULATIONS 1984 (SI 1984 NO 1290)

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 PENCAENEWYDD STW PWLLHELI, GWYNEDD

(National Grid Reference SH 4092 4076).

1. The effluent derives from domestic sewage from a population of 100 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 ..... 1985

(MARCH 1986)

0000123  
MMA DIST RES 65/9/ST

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 ..... PENCAENEWYDD STM  
..... PMLHELLI, 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 23.3.86.....

.....  
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

<b>WELSH WATER AUTHORITY</b>				Welsh Office Form COPA4		Welsh Off Ref						
<b>SUPPORTING INFORMATION FOR CONSENT/REVIEW - WWA Form SS.SI.1</b>						Welsh W A Ref		CG0012301				
<b>DISCHARGER + Agent</b>		WELSH WATER AUTHORITY						WWA District		/		
<b>PREMISES / SOURCE</b>		PENCAENEWYDD STW										
<b>Address/Location</b>		PWLLELI, GWYNEDD										
<b>DISCHARGE TYPE</b>		FULLY TREATED SEWAGE EFFLUENT										
<b>DISCHARGE STATUS</b>		New reqg Consent		Exg reqg Review		<input checked="" type="checkbox"/> Exg reqg Consent		Prevly Exempt		Temp'y until		
<b>CONSENT / REVIEW</b>		To: WELSH WATER AUTHORITY				By: WELSH OFFICE			Date: 30.1.85			
<b>EXISTING - issued</b>												
<b>ADVERTISEMENT ?</b>		Yes / No because:										
<b>OUTLET DETAILS</b>		New / Altered / Exg		OS Ref		SH40924076		Diam		mm Form		
<b>SAMPLING POINT</b>		TDIB SPT		OS Ref		Outlet /						
<b>DISCHARGE IS TO</b>		Inland Stream <input checked="" type="checkbox"/>		Landl. Pond		Onto Land		Into Land		Groundwtr	Estuary	Coastal
<b>RECEIVING WATER</b>		Immediate / <del>XXXX</del>		TRIB ERCH		/		kms >				
<b>Water in current</b>		Data for :		Current Situath		Short-term RQO		Long-term RQO		TDIB SPT Refs		
<b>RQO Programme ?</b>		Assessed by :		NWC		Bio1		NWC		Bio1		by
<b>Immed. <del>XXXX</del> / No</b>		Immed. Up / Down		/		/		/		/		19
<b>Main Yes / No</b>		Main Up / Down		/		/		/		/		19
<b>USE(S) OF THE</b>		Exg / Future Use(s)		PotWS		IndWS		AgrWS		Stock		SalFish
<b>RECEIVING WATER,</b>		Of Immed R.W. @ km										CrSFish
<b>whether surface</b>		Of Main R.W. @ km										WSports
<b>or groundwater</b>		Effect of discharge on uses, etc.										
<b>EFFLUENT QUALITY</b>		Determinand		BOD		SS						
<b>DATA - derived</b>		Maximum		46.0		62.0						
<b>from: 17</b>		Minimum		48.0		6.0						
<b>samples taken</b>		Mean		19.59		26.0						
<b>from: 1/1/84</b>		Standard Deviation		10.69		15.63						
<b>to :</b>		Median / 50%ile										
<b>(mg/l except pH)</b>		95%ile: N / LN / NP		41.77		62.91						
<b>QUALITY LIMITS</b>		Existing		130		75						
<b>(mg/l except pH)</b>		Proposed 95%ile		DESCRIPTIVE CONSENTS								
<b>S/W if seasonal</b>		Proposed Maximum										
<b>1/2 if phased</b>		Application										
<b>CALCULATION MODE</b>		To Quality Spec'n										
		Method used										
<b>EFFLUENT FLOW DATA</b>		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 Qflow Weir Setting x DWF
												1/sec
<b>Existing Design</b>												Maximum Rate 1/sec
<b>XXXX Reqs/Estd Current</b>		100								13.5		Maximum Daily Vol m³/d
<b>Proposed Design</b>												0.47
<b>Ultimate Design</b>												41
<b>Design Horizons:</b>		Sewerage system is		Flow values for		Existing		15				0.5
<b>Proposed:</b>		% combined		Consent Conditions		Proposed						41
<b>Ultimate:</b>												



SUPPORTING INFORMATION FOR A CONSENT / REVIEW (CONTINUED) Form SS.SI.1						Welsh Off Ref			
Relating to: PENCAENEWYDD STW, PWLLHELI, GWYNEDD						Welsh W A Ref		CG0012301	
RIVER AND EFFLUENT FLOWS AND DILUTIONS			Flows in Immediate Receiving Water			Flows in Main Receiving Water			
Flows in m <sup>3</sup> /d. If estimated, give method:			Meas / Estd at OSGR:			Meas / Estd at OSGR:			
			Minimum	5%ile	Mean	Minimum	5%ile	Mean	
				4038					
Effluent Statistic	Source of Data	Effluent Volume	Dilution Ratios - expressed as x River : 1 Effluent						
D.W.F.	Meas / Estd	13.5		299:1					
Maximum	Meas / Estd								
RIVER REGIME	Width, Depth & Reaeration		W	m	D	m	R	W	m
TREATMENT PLANT UNITS - with Critical Dimensions					Primary Sett.	Area	m <sup>2</sup>		
Unit	Detail	Existing	Proposed	Ultimate	Storm Tanks	Area	m <sup>2</sup>		
Storm S. O'flow	Set @ 1/s				" "	Volume	m <sup>3</sup>		
Screens	Space mm				Septic Tank	Volume	m <sup>3</sup>	✓	
Well Retent'n	Hours				Biol. Filters	Media	m <sup>3</sup>	✓	
Pumping Rate	Max. 1/s				Act'd. Sludge #	Volume	m <sup>3</sup>		
Gravity Feed	Yes / No				Package Plant*	Surface	m <sup>2</sup>		
Flow Meas't.*	Yes / No				Pasveer Ditch#	Volume	m <sup>3</sup>		
Grit Removal	Yes / No				Final Sett't.	Area	m <sup>2</sup>		
Macer'n/Comm'n.	Yes / No				Tert'y Treat.*	Area	m <sup>2</sup>		
Other Units and Details	* Type # Power								
SLUDGE TREAT. AND DISPOSAL									
TRADE WASTES Types & m <sup>3</sup> /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	65/9/S76		District Contact	R. P.DALE			HQWQS Ref		
For use by: HQ WATER QUALITY SECTION									
For use by: WELSH OFFICE									

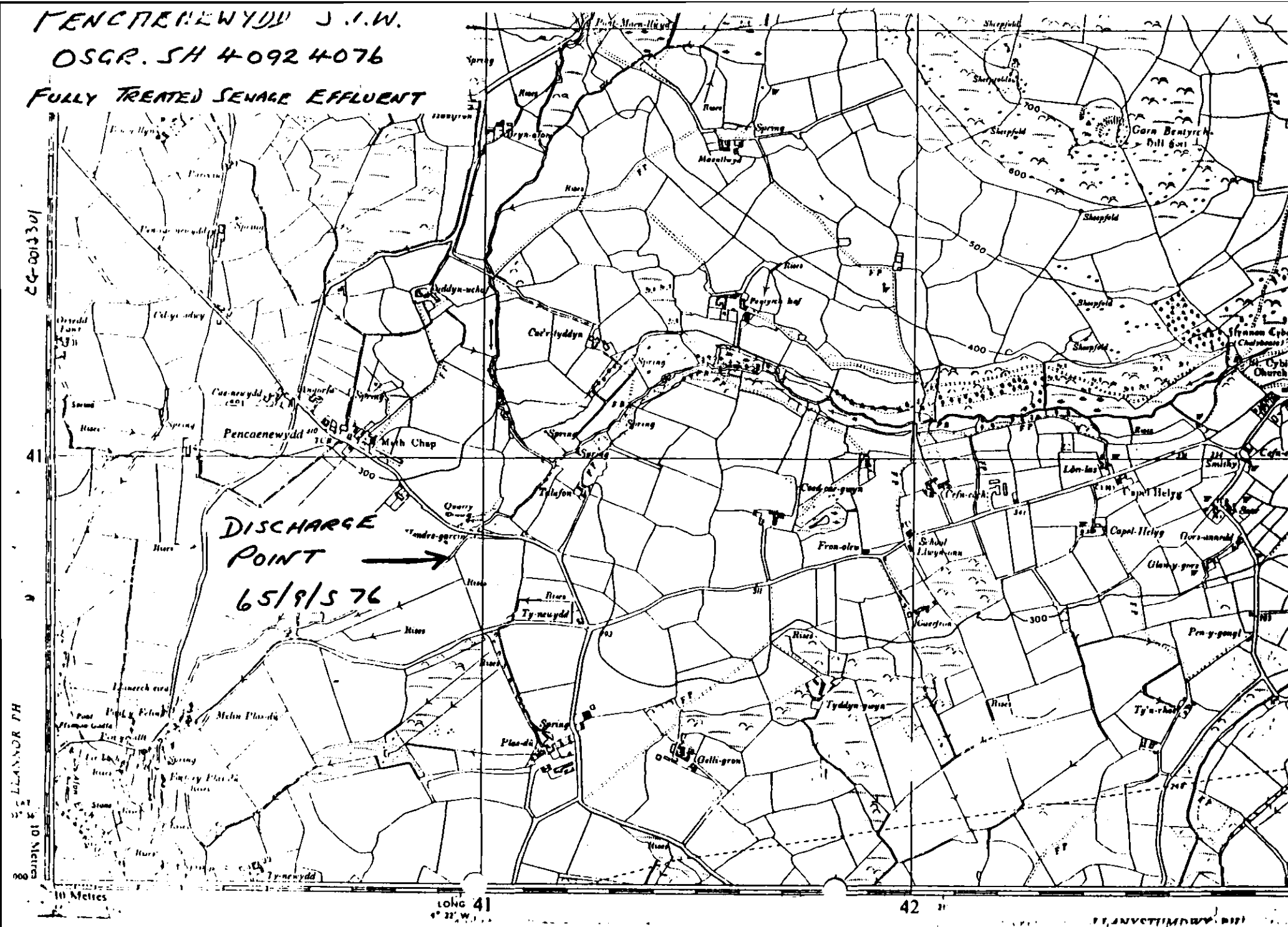
PENCENNEWYDD J.I.W.

OSGR. SH 4092 4076

FULLY TREATED SEWAGE EFFLUENT

DISCHARGE  
POINT

65/9/576



LONG 41  
4° 21' W.

42

ST. ANYSTIMDDY BIR