

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 :

LLANGWM SEWAGE TREATMENT WORKS

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

THE EXISTING OUTLET is to : Beggars Reach/Daugleddau

at National Grid Reference : SM 9955 0873

and has been shown marked : Discharge Point

on the attached Plan, No. : RW/0189/T/1

THE PREVIOUS CONSENT was : the Consent Reference No.

granted on : 21st July 1964

by : South West Wales River Board

to : Haverfordwest Rural District Council.

The Authority submitted this Notification of Variation on : 12th May 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 : 12th August 1982

## 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	40	milligrams per litre
Suspended Solids dried at 105°C	60	milligrams per litre

Rate of discharge	12.4	litres per second
Volume during any period of 24 consecutive hours	1072	cubic metres
Volume discharged under 'dry weather conditions' during any period of 24 consecutive hours	178.6	cubic metres

3. Adequate facilities shall be provided for the taking of samples of the effluent at:  
outlet from humus tank

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 Twelfth day of August 1984

**WELSH WATER AUTHORITY - FIRST STAGE REVIEW OF CONSENTS**

Form FSR 1

**SUPPORTING INFORMATION**

IIQ Ref.

**A. BASIC INFORMATION** - required for all discharges

Name of Discharger	Welsh Water Authority							
Name & Location of STW SSO, WTW or premises	Llangwm S.T.W.							
Type of Effluent	Fully treated sewage effluent							
Receiving water (Non - Tidal)	Beggars Reach/Daugleddau						OSGR of Outlet	SM 9960 0881
Receiving water in 1978 RQO Programme?	1978 Class (NW/C)		Short-term RQO		Long-term RQO			
	Upstream							
	Downstream							
Existing Effluent Quality		Tot. BOD	BOD (ATU)	S. Solids	Amm. N.	Nitrate	pH	Flow
	Maximum	28		57	11.7			Design DWF 173.7 m <sup>3</sup> /d
	Minimum	3.0		4	0.1			Existing DWF 173.2 m <sup>3</sup> /d
	Mean	10		20	1.7			
	St. Dev.	5.1		12	1.7			Maximum 6 x m <sup>3</sup> /d
	Median	9.3		17	1.1			Weir Setting
	95%ile	21		46	5.8			1/s
Consent	Existing	20		30		10	6.0-8.5	1.78.6 1/s m <sup>3</sup> /d
Conditions	Proposed	40		60	6.0			1/s m <sup>3</sup> /d

Existing quality data from 71,66,71 samples taken since 1st Jan. 1977

Low river flow data: Dilution of effluent River : Effluent  
Tidal - not applicable m<sup>3</sup>/d at low river flow Vast : 1

Existing Consent granted To: Haverfordwest R.D.C. By: S.W. Wales River Board Date: 21.7.64

**B. ADDITIONAL INFORMATION** - for sewers/STW serving >1000 pop'n. & other discharges >250 m<sup>3</sup>/d OR if adverse effect likely on PWS abstraction downstream OR if effluent puts receiving water down to a lower quality (sub)class

Uses of receiving water downstream, giving type of use and distance, especially if affected by effluent in question	Sailing and fishing. Effluent has no measurable effect other than in the immediate vicinity of the outfall
Nature and overall proportion of significant trade effluent in sewage	Nil
If discharge puts receiving water in lower quality (sub) class, state remedial works proposed and date(s)	Not applicable

**Other Information:**

Pressure for further development in the area will result in increased volume of sewage requiring treatment, A 40:60, standard is environmentally acceptable and should be achievable with the existing works.

160

240 Chains

LLANGWM PH

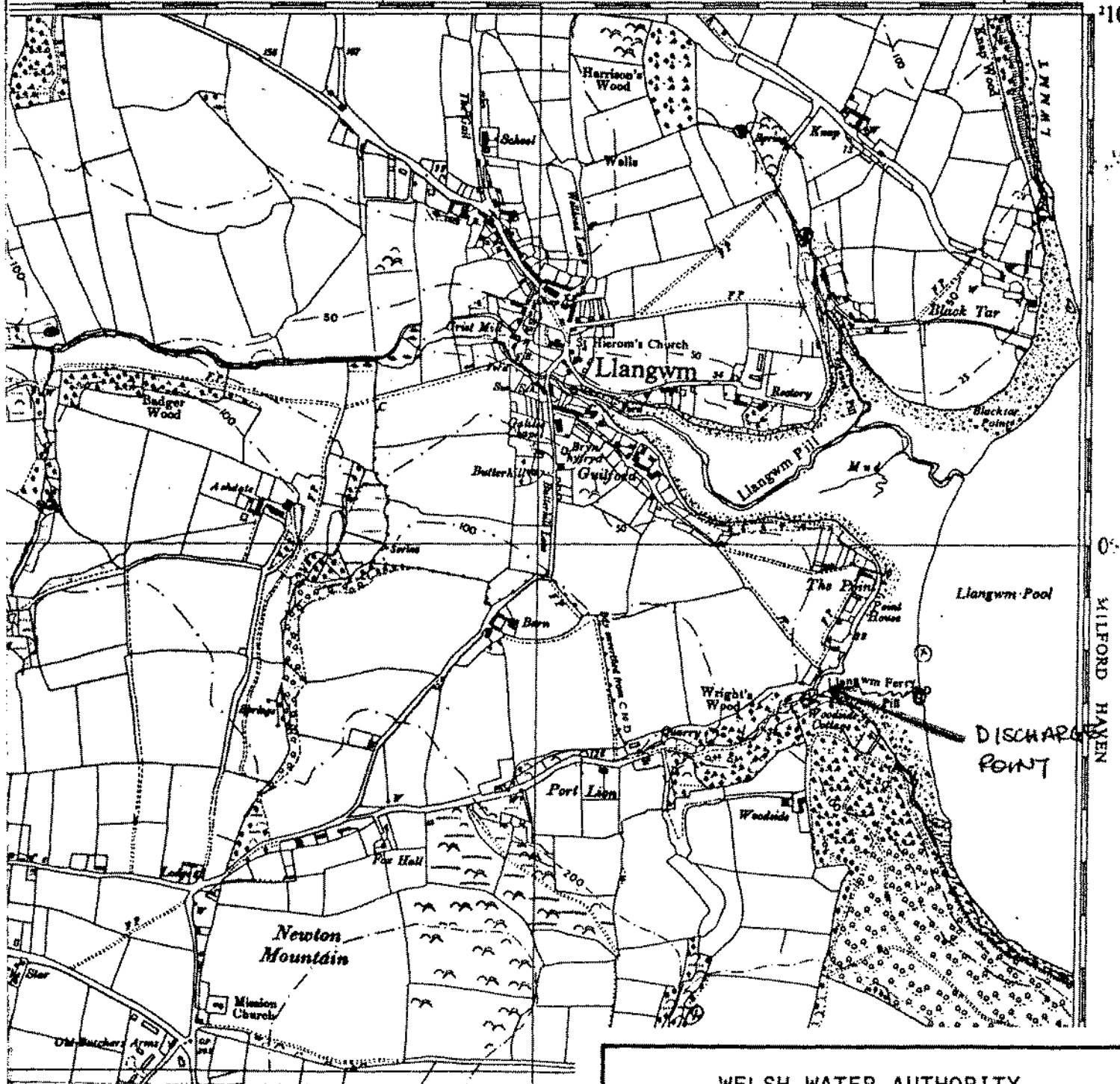
55'

99

LONG  
4° 34' W

200 000

110 000

WEST WALES DIVISIONFIRST STAGE REVIEW OF CONSENTSName of Works: Llangwm STW

Type of Effluent: Fully Treated Sewage Efflu

WELSH WATER AUTHORITYPLAN NO. RW/0189/T/1LLANGWMSEWAGE TREATMENT WORKSThis is the Plan referred to  
in the Variation of Consent