

Eich cyf/Your ref.
Ein cyf/Our ref.

ACSC/CUST/SE/SF/AN0106401

Dyddiad/Date:

22 September 2003



ASiantaeth Yr
Amgylchedd Cymru
ENVIRONMENT
AGENCY WALES

Dwr Cymru,
Pentwyn Road
Nelson
Treharris
Mid-Glamorgan
CF46 6LY

FILE COPY

Dear Dr. Kiel

**RE: WATER RESOURCES ACT 1991, SCHEDULE 10 (AS AMENDED BY THE ENVIRONMENT ACT 1995) MODIFICATION OF CONSENT TO DISCHARGE SEWAGE EFFLUENT BY DWR CYMRU FROM LLANSOY STW, CHURCH LANE, LLANSOY, GWENT, NP15 1HL
APPLICATION NO: AN0106401**

Further to our recent correspondence concerning the consent to discharge sewage effluent from a sewage treatment works at Llansoy STW, Church Lane, Llansoy, Gwent, NP15 1HL, I enclose the Agency's formal notice of the modifications made to the conditions of the consent.

Under the present Scheme of Charges for Discharges to Controlled Waters an annual charge will be made for all consents to discharge, except where the discharge is of sewage effluent of five cubic metres or less per day. The charge is based on information derived from the conditions attached to the consent to discharge. A change in conditions may therefore result in a change in annual charge, you may therefore receive a revised bill in due course.

If you are not satisfied with the new conditions of the consent you may appeal against the decision to the Secretary of State for the Environment at National Assembly for Wales at Cathays Park, Cardiff CF10 3NQ.

Asiantaeth yr Amgylchedd Cymru
Plas Yr Afon, Parc Busnes Llaneirwg, Llaneirwg, Caerdydd, CF3 0EY
Ffon: 029 20770088 Ffacs: 029 20798555
www.environment-agency.gov.uk

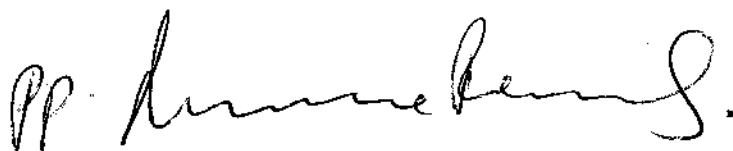
Environment Agency Wales
Rivers House, St Mellons Business Park, St Mellons, Cardiff, CF3 0EY
Tel: 029 20770088 Fax: 029 20798555
www.environment-agency.gov.uk



Please take careful note that if the holder of the consent changes, you must inform the Agency **IN WRITING** as soon as possible of the name of the new holder. This is to ensure that the rights and charges associated with the Consent are transferred to the holder. A Certificate of Holder notice will be sent to you shortly which is designed for this purpose, and should be kept safely with the Consent until required.

If you have any queries regarding the enforcement of this consent, please do not hesitate to contact John Tomala, Team Leader Environment Protection, Environment Agency Wales.

Yours sincerely

A handwritten signature in black ink, appearing to read 'PP. Inight', followed by a long horizontal flourish.

GARY INIGHT
Customer Contact Team Leader

Asiantaeth yr Amgylchedd Cymru
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CONSENT NO.	AN0106401
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AGENCY WALES

WATER RESOURCES ACT 1991

SECTION 88 - SCHEDULE 10

(AS AMENDED BY THE ENVIRONMENT ACT 1995)

NOTICE OF MODIFICATION OF CONSENT TO DISCHARGE

TO: Environment Quality Scientist
Dŵr Cymru Welsh Water
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 MODIFIES ITS CONSENT** to the making of a discharge **OF SEWAGE EFFLUENT**, as follows:

Secondary Treated Sewage Effluent incorporating the requirements of the Urban Waste Water Treatment Regulations (UWWTR) 1994.

with respect to Consent No. AN0106401 issued on the 31st January 1989.

FROM: Llansoy Sewage Treatment Works.

AT: Church Lane, Llansoy, Gwent, NP15 1HL

TO: The Pill Brook.

HEREAFTER SUBJECT TO the conditions set out in the following schedule:

Secondary Treated Sewage Effluent:	Schedule No. AN010640101
UWWT Regulations 1994:	Schedule No. AN0106401/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 modifications made by this notice, without the agreement in writing of the consent holder, during a period of 4 years from the date this notice is served.

This modification of consent is issued on the 16th day of SEPTEMBER 2003
and takes effect on the 31st day of March 2004.

Signed J. Lomala
Team Leader -Usk Environment Management



CONSENT NO.	AN0106401
SCHEDULE NO.	AN010640101
DATED	16/9/03



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AGENCY WALES

CONDITIONS OF CONSENT TO DISCHARGE

Secondary Treated Sewage Effluent ("the Discharge")

FROM: Llansoy Sewage Treatment Works

NATURE

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

LOCATION

2. 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 Pill Brook;
 - (c) at National Grid Reference SO 43816 02047;
 - (d) shown marked 'Consent Point' on Plan AN0106401 attached as Annex 1.

SAMPLE POINT

3. An appropriately labelled sample point shall be provided and maintained at National Grid Reference SO 44043 02246, as shown marked 'Sample Point' on Plan AN0106401, so that a representative 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 discharging into controlled waters.

VOLUME

4. The volume of the Discharge shall not exceed 138 cubic metres per day.
5. The rate of discharge shall not exceed 1.6 litres per second.
6. The Dry Weather Flow of the Discharge shall not exceed 16.2 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.



CONSENT NO.	AN0106401
SCHEDULE NO.	AN010640101



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ENVIRONMENT
AGENCY WALES

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 instantaneous flow of the discharge 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.

COMPOSITION

8. (a) Subject to paragraph (b) below, the Discharge shall not contain more than:
- (i) 40 milligrammes per litre of biochemical oxygen demand (measured after 5 days at 20°C with nitrification suppressed by the addition of allyl-thiourea);
 - (ii) 60 milligrammes per litre of suspended solids (measured after drying at 105°C);
- (b) The limit for any of the relevant parameters set out in paragraph (a) above may be exceeded where, in any series of samples of the Discharge taken at regular but randomised intervals in any period of twelve consecutive months as listed in Column 1 of the table at Annex 2 to this consent, no more than the relevant number of samples, as listed in Column 2 of the said table, exceed the applicable limit for that relevant parameter.

9. The Discharge shall not contain more than:

- (a) 80 milligrammes per litre of biochemical oxygen demand (measured after 5 days at 20°C with nitrification suppressed by the addition of allyl-thiourea);

WORKS OPERATION

10. 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.

This condition does not require -

- (a) any higher standard to be achieved in relation to any characteristic of the Discharge which is specifically regulated by conditions 8 to 9 than is required by those conditions;
- (b) any alteration of the works or a change in the type of treatment used.



CONSENT NO.	AN0106401
SCHEDULE NO.	AN010640101



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MAINTENANCE

11. 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.

UNUSUAL WEATHER CONDITIONS

12. (a) No sample of the Discharge, taken 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, 9 and 10 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°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 effect.
- (d) For a sample of the Discharge 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.



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SCHEDULE NO.	AN010640101



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RECORDING AND REPORTING

13. (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.

SUBSTANTIAL CHANGE

14. 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.
15. A discharge of trade effluent into the works is new if -
 - (a) 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
 - (b) it is made by a third party and the discharge is authorised on or after that date.
16. A discharge of trade effluent into the works is altered if -
 - (a) it is made by the sewerage undertaker and its composition or quantity changes significantly on or after the date of effect of this consent; or
 - (b) it is made by a third party and the alteration of the discharge is authorised on or after that date.
17. 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 characteristic of the Discharge which is specifically regulated by conditions 8 to 9 of this consent but it may be significant if it is caused by a change in some other characteristic of the Discharge.
18. For the purposes of this condition "trade effluent" means -
 - (a) any discharge by the sewerage undertaker other than
 - (i) domestic sewage from premises connected directly or indirectly to the works; or
 - (ii) surface water run-off;
 - (b) any discharge by a third party which is authorised under Chapter III or Part IV of the Water Industry Act 1991 or which is only accepted as a result of a contract with the sewerage undertaker.



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SCHEDULE NO.	AN010640101



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UNAUTHORISED DISCHARGES

19. 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.
- (a) 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.
 - (b) 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.

START DATE

20. There shall be no discharge under the terms of this schedule until the 31st March 2004 or the end of commissioning of the new works (including the pumping station, emergency storage and screen) whichever is the sooner.



CONSENT NO.	AN0106401
SCHEDULE NO.	AN0106401/U
DATE ISSUED	16/9/03



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Environment
Agency Wales

CONDITIONS OF CONSENT TO DISCHARGE

Appropriately Treated Sewage Effluent ("the Discharge")

FROM: Llansoy Sewage Treatment Works

URBAN WASTE WATER TREATMENT REGULATIONS

- 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, 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 2000 discharging to freshwater.
- (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).



ANNEX 2

TABLE



ASiantaeth Yr
Amgylchedd Cymru
Environment
Agency Wales

Column 1

Number of samples
taken in any period
of 12 months

Column 2

Maximum number of samples
permitted to exceed limit
for given determinand

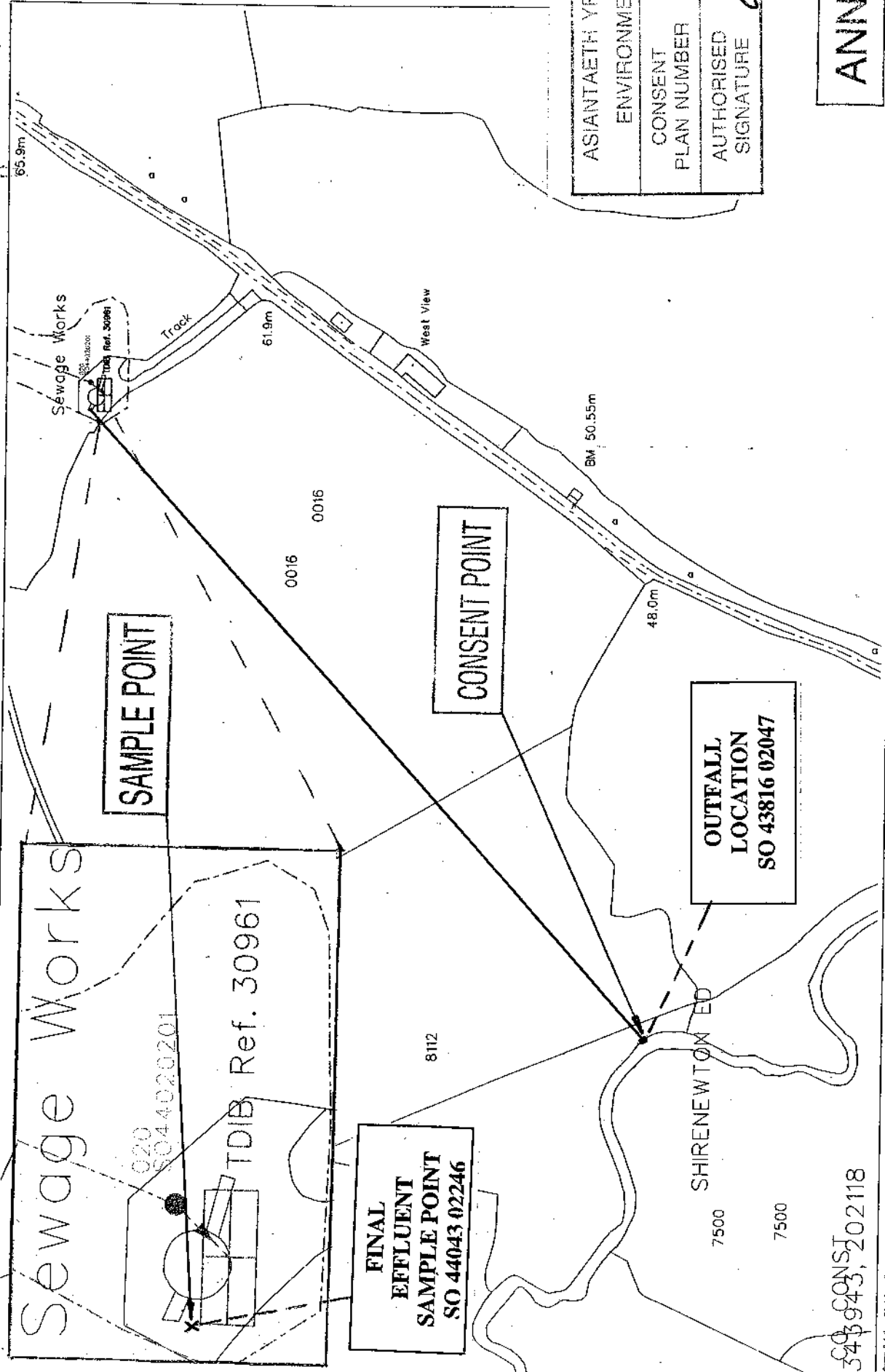
4-7	1
8-16	2
17-28	3
29-40	4
41-53	5
54-67	6
68-81	7
82-95	8
96-110	9
111-125	10
126-140	11
141-155	12
156-171	13
172-187	14
188-203	15
204-219	16
220-235	17
236-251	18
252-268	19
269-284	20
285-300	21
301-317	22
318-334	23
335-350	24
351-365	25





Llansoy STW and Outfall

Aug 06 2003



Legend:

- Foot
- Surface
- Combined
- Wiring Main
- Manhole
- Treatment Works
- Pumping Station
- Combined Outflow
- Special Purpose Chamber
- Unknown End
- Outlet
- Landscape
- High Edge

ASIAN TAETH YR AMGYLCHER

ENVIRONMENT AGENCY

CONSENT
PLAN NUMBER
AN0106401

AUTHORISED
SIGNATURE

J. Llaneta

ANNEX 1

Our Agents of the Environment are the authors of the information appearing on this map. The information is provided for general guidance only and is not intended to be used for any other purpose. The Environment Agency is not responsible for any loss or damage arising from the use of this information. The information is provided for general guidance only and is not intended to be used for any other purpose. The Environment Agency is not responsible for any loss or damage arising from the use of this information.

EXACT LOCATIONS OF ALL APPARATUS
TO BE DETERMINED ON SITE.

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Majesty's Stationery Office, © Crown Copyright.

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 AN0106401

Nature of Discharge(s); SEWAGE EFF/TREATED EFF/CONTINUOUS
at LLANSOY STW - FINAL EFFLUENT

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:

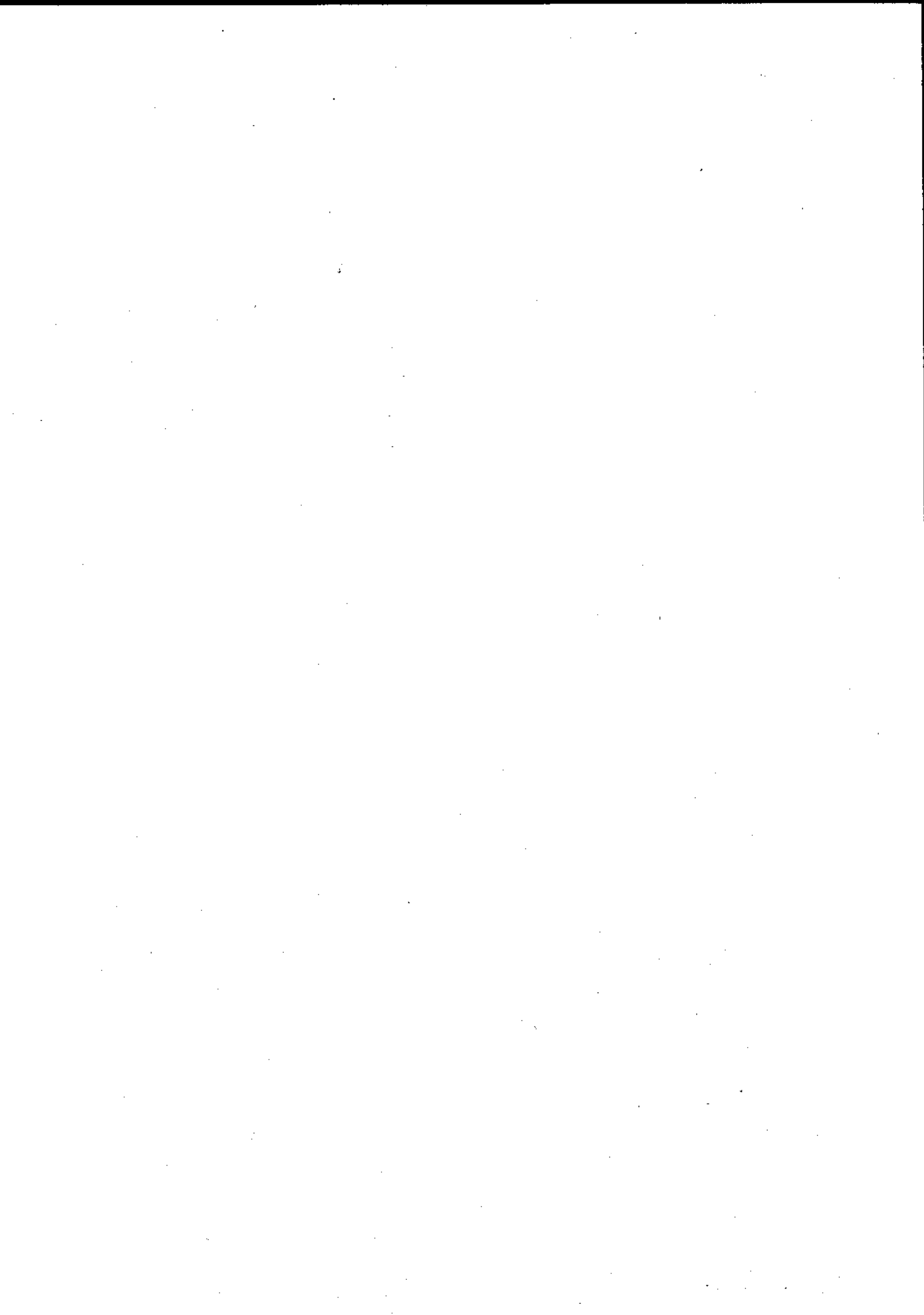
Post Code:

Date of Transfer to new Holder(s):

Signed: **Dated:**

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





Please Return this form to:

Consents Officer.
N.R.A. Welsh Region,
FREEPOST
Rivers House,
St.Mellons Business Park,
St.Mellons,
Cardiff,
Glamorgan
CF3 7ZZ.

Our records contain the following consent details :

Name and Address Of Owner:

Dwr Cymru Cyfyngedig
Plas Y Ffynnon,
Cambrian Way,
Brecon,
Powys LD3 7HP

For office use only:

Reference No.:

AN0106401
Reply Received:

26/2/91

Action :

A 27-2-91

133/91

NATIONAL RIVERS AUTHORITY			
Letter No.			
File Ref.			
REC'D 24 FEB 1991			
PASSED	CHIEF	ADVICE & Q	FD
FILE	FIN. LT.	ALPERS	PLAN
OFFICER SIGNED		REMOVED	

Please Indicate Changes:

Consent No.: AN0106401 Operative Date : 31ST JANUARY 1989

Is this discharge still in operation ? YES ☒ NO ☐

If NO, do you wish this consent to be revoked ? YES ☐ NO ☐

If you wish this consent to be revoked, please sign here :

This discharge is not in operation. I wish this consent to be revoked.

Signed : _____ Date : _____

If you do not wish this consent to be revoked, please verify the details which follow and supply further details if known.

Address of premises

Location of discharge :

Please Indicate Changes:

Llansoy Stw - Final Effluent

Treated Sewage Effl.- Second/Septic Tank

Outlet National Grid Reference : SO 43850 01950

Population Served : _____

Is discharge periodic or continuous? Periodic ☐ Continuous ☒



Discharge Consent Conditions :

Condition Name	Limit Unit	Ind
DAILY VOL (DWF) M3/DAY	18.2 m3 ✓	
DISCHARGE RATE (L/S)	.64 l/sec ✓	
BOD 5 ATU	150 mg/l ✓	
SOLIDS SUSPENDED 105 C	150 mg/l ✓	

Other Details.

SEE CONSENT REF AB00678 FOR PREVIOUS CONSENT

Note: If the discharge has changed in composition or volume since the consent was issued, then please indicate the changes above.

If you wish future bills to be sent to a name and address other than that shown at the top of the previous page then please complete the details here.

Please give a contact name and telephone number here.

Signed: J Adams pp S Lewis Date: 25.2.91

WELSH OFFICE

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

WHEREAS

1. The WELSH WATER AUTHORITY (hereinafter referred to as 'the Water Authority') proposes to discharge biologically treated sewage effluent from the Llansoy Sewage Treatment Works to the Pill Brook at national grid reference SO 4385 0195 as shown on the attached plan.

2. The proposals require the consent of the Secretary of State for WALES in pursuance of sections 34 and 55 of the Control of Pollution Act 1974 as modified by the Control of Pollution (Discharges by Authorities) Regulations 1984 (hereinafter referred to as 'the Regulations').

3. In accordance with the provisions of Regulation 2 of the Regulations the Water Authority have submitted the proposals to the Secretary of State in the form of an application for consent dated 28 November 1988

THE SECRETARY OF STATE FOR WALES hereby consents to the proposed discharge subject to the conditions specified in the Schedule hereto attached.

Dated this 31 day of January
1989

Signed 

On behalf of the Secretary
of State for Wales

SCHEDULE

Conditions prescribed for the discharge of biologically treated sewage effluent to the Pill Brook at Llansoy Sewage Treatment Works

"Sewage" can mean domestic sewage alone or in admixture with industrial waste water(s).

1. The nature of the effluent shall be biologically treated sewage effluent
2. Adequate facilities shall be provided for the Secretary of State's representative so as to enable samples of the effluent to be conveniently obtained at grid reference SO 4395 0205
3. The Welsh Water Authority shall take samples of the effluent in accordance with the relevant provisions of the Authority's sampling periodicity guidelines for the time being in force and approved for this purpose by the Secretary of State (and as may be indicated below) and shall keep records of such samples and the results of analyses thereof for inspection by the Secretary of State's authorised representative.
4. The volume of effluent under dry weather conditions shall not exceed 18.2 cubic metres in any period of 24 hours.
5. The maximum rate of flow discharged to the river at any time shall not exceed 0.64 litres per second. All sewage flow rates up to the maximum quoted above shall receive biological treatment.

HP
31.1.89

6. The analytical methods used for determining compliance or otherwise with this consent shall be assumed to be those specified in the latest edition of "Methods for the Examination of Waters and Associated Materials" published by HMSO. Other methods of analysis may be used as alternatives to those specified in the above named publication providing that Secretary of State is satisfied that they give comparable or better performance characteristics. Such other methods shall be submitted for approval to the Secretary of State together with all necessary supporting evidence.

7. The quality of the effluent discharged to the river at all flow rates up to the maximum quoted in 5 above, shall not be inferior to the following numerical quality limits (determinands) save as provided for in the Annex (by reference to the table included therein) to this Schedule.

7a. The Suspended Solids concentration (dried at 105 degrees Celsius) shall not exceed 150 milligrams per litre.

7b. The BOD (Biochemical Oxygen Demand) concentration determined in the presence of 0.5 milligrams per litre of allyl-thiourea shall not exceed 150 milligrams per litre.

8. Any previous consents issued by the Secretary of State in respect of effluents to which this discharge relates shall be revoked as from the date of this consent.

Handwritten signature
21.1.89

ANNEX

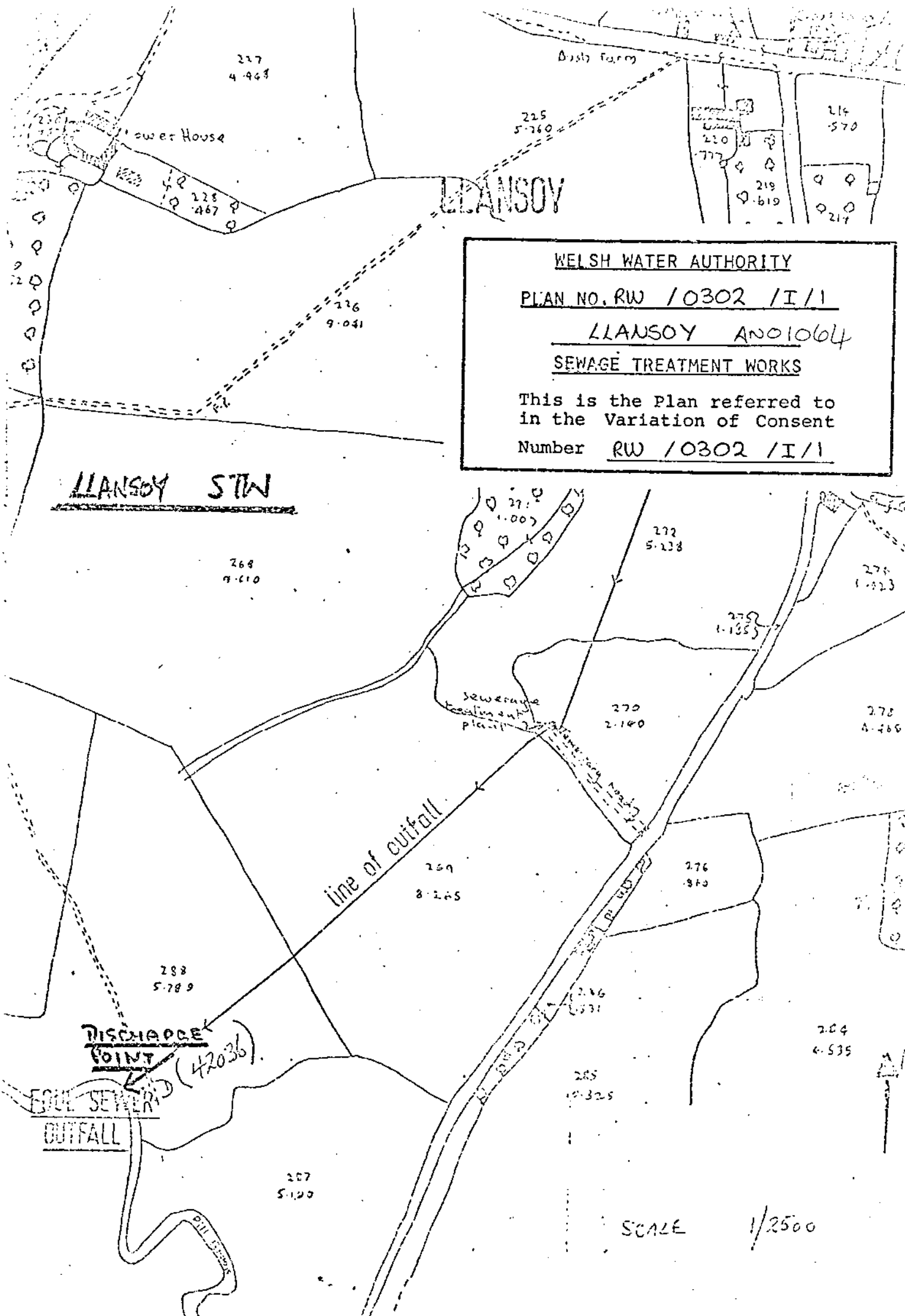
Where the number of samples taken in one year (that is from the 1 April to the 31 March) falls within any of the ranges given in Column 1 of the table below, the number of samples which are inferior to a specified numerical quality limit determinand set in Paragraph 7, and where relevant, Paragraph 8 of the Schedule shall not exceed the appropriate permitted number as listed in Column 2. A sample shall only be considered as having failed in relation to the particular determinand(s) for which the specified quality limit is exceeded. A sample shall be considered to be satisfactory in relation to other determinands, the concentration of which, are equal to or lower than the specified limit.

TABLE

Column 1	Column 2
Series of samples taken in any year	Maximum number of samples in which the same numerical quality limit may be exceeded.
4-7	1
8-16	2
17-28	3
29-40	4
41-53	5
54-67	6
68-81	7
82-95	8
96-110	9
111-125	10
126-140	11
141-155	12
156-171	13
172-187	14
188-203	15
204-219	16
220-235	17
236-251	18
252-268	19
269-284	20
285-300	21
301-317	22
318-334	23
335-350	24
351-365	25

WELSH WATER AUTHORITY				Welsh Office Form COPA4		Welsh Off Ref			
SUPPORTING INFORMATION FOR CONSENT/REVIEW - WWA Form SS.SI.1						Welsh W A Ref		AN 01064	
DISCHARGER +Agent		WELSH WATER AUTHORITY						WWA District SE/ 456	
PREMISES / SOURCE Address/Location		LLANSOY SEWAGE TREATMENT WORKS, LLANSOY, USK, GWENT.							
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: SECRETARY OF STATE		Date: 29/8/81	
ADVERTISEMENT ?		~~Yes~~ / No because: UNCHANGED EXISTING DISCHARGE							
OUTLET DETAILS		New / ~~Altered~~ / Exg		OS Ref SO 4385 0195		Diam 150 mm		Form PIPE IN HEADWALL	
SAMPLING POINT		TDIB SPT 42036		OS Ref SO 4395 0205		Outlet / HUMUS TANK OUTLET			
DISCHARGE IS TO		Inland Stream ☒		Landl.Pond		Onto Land		Into Land	
						Groundwtr		Estuary	
								Coastal	
RECEIVING WATER		Immediate / ~~Main~~		PILL BROOK / kms >					
Water in current RQD Programme ?		Data for :		Current Situatn		Short-term RQD		Long-term RQD	
		Assessed by :		NWC Biol		NWC Biol by		NWC Biol by	
Immed. Yes / No		Immed. Up / Down		N / A N / A		N / A N / A		19 N / A N / A 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		N/A N/A N/A		0.1 N/A 0.1		N/A N/A N/A	
		Of Main R.W. @ km							
		Effect of discharge on uses, etc.		NO KNOWN EFFECT					
EFFLUENT QUALITY DATA - derived from: 13 samples taken from: 11/7/85 to : 9/6/88 (mg/l except pH)		Determind		BOD		SS		NH ₃ -N	
		Maximum		172.0		90.0		37.0	
		Minimum		5.1		15		0.4	
		Mean		56.63		42.38		21.30	
		Standard Deviation		44.85		22.79		11.23	
		Median / 50%ile		42.31		36.77		15.51	
		95%ile: N / LN / NP		174.60		93.76		108.66	
QUALITY LIMITS (mg/l except pH) S/W if seasonal 1/2 if phased		Existing		40		65		-	
		Proposed 95%ile		-		-		-	
		Proposed Maximum							
		Application							
CALCULATION MODE		To Quality Spec'n		5.0		74.56		0.78	
		Method used		WARN BREW + SENSITIVITY ANALYSIS					
EFFLUENT FLOW DATA		P Popul'n No.		G Consum'n m ³ /h/d		PG Sewage m ³ /d		I Infilt'n m ³ /d	
		E Trade m ³ /d		PG+I+E DWF m ³ /d		Storm Sewage Overflow Weir Setting x DWF		Maximum Rate 1/sec	
		Maximum Daily Vol m ³ /d							
Existing Design		NOT KNOWN		NOT KNOWN		NOT KNOWN		0 18.2	
Maxs/Estd Current		65		0.18		11.7		NOT KNOWN 0 11.7	
Proposed Design									
Ultimate Design									
Design Horizons: Proposed: <u>N/A</u> Ultimate:		Sewerage system is 5% combined		Flow values for Consent Conditions		Existing 18.2		0.64 55	
						Proposed 18.2		0.64 55	

SUPPORTING INFORMATION FOR A CONSENT / REVIEW (CONTINUED) Form SS.SI.1						Welsh Off Ref					
Relating to: LLANSOY SEWAGE TREATMENT WORKS						Welsh W A Ref		AN 01064			
RIVER AND EFFLUENT FLOWS AND DILUTIONS Flows in m ³ /d. If estimated, give method: FROM FLOW DURATION CURVE DERIVED FROM GAUGINGS			Flows in Immediate Receiving Water			Flows in Main Receiving Water					
			Meas / ~~Test~~ at OSGR: SO 4385 0195			Meas / Estd at OSGR:					
			Minimum	5%ile	Mean	Minimum	5%ile	Mean			
				1425	28450						
Effluent Statistic			Dilution Ratios - expressed as x River : 1 Effluent								
Source of Data											
Effluent Volume											
D.W.F.			Meas / Estd		11.7						
Maximum			Meas / Estd								
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	N/A	N/A			
Unit	Detail	Existing	Proposed	Ultimate	Storm Tanks	Area m ²	N/A	N/A			
Storm S. Of flow*	Set @ 1/s	N/A	N/A		" "	Volume m ³	N/A	N/A			
Screens	Space mm	N/A	N/A		Septic Tank	Volume m ³	9.0	9.0			
Well Retent'n.	Hours	N/A	N/A		Biol. Filters	Media m ³	46.0	46.0			
Pumping Rate	Max. 1/s	N/A	N/A		Act'd. Sludge #	Volume m ³	N/A	N/A			
Gravity Feed	Yes / No	YES	YES		Package Plant*	Surface m ²	N/A	N/A			
Flow Meas't.*	Yes / No	NO	NO		Pasveer Ditch#	Volume m ³	N/A	N/A			
Grit Removal	Yes / No	NO	NO		Final Sett't.	Area m ²	3.25	3.25			
Macer'n/Commin.	Yes / No	NO	NO		Tert'y Treat.*	Area m ²	N/A	N/A			
Other Units and Details		* Type # Power									
SLUDGE TREAT. AND DISPOSAL		TANKERED OFF-SITE TO PONTNIR S.T.W.									
TRADE WASTES Types & m ³ /d		NIL									
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)		THE ORIGINAL DESIGN INFORMATION FOR EFFLUENT FLOWS IS NOT KNOWN. THE ORIGINAL DISCHARGE CONSENT ISSUED 29TH JULY 1969, WAS FOR A DISCHARGE VOLUME OF 4000 GALLONS/DAY (18.18m³/DAY). THIS HAS BEEN ASSUMED TO BE THE DESIGN DWF. ALTHOUGH THE PILL BROOK IS NOT DESIGNATED AS A FISHERY UNDER THE EEC DIRECTIVE, THE AMMONIA COMPUTATION HAS BEEN CARRIED OUT USING THE 95% ILE CRITERION OF 0.78 mg/l REQUIRED FOR SALMONID RIVER. THIS APPLICATION IS FOR DESCRIPTIVE CONSENT.									
CAPITAL WORKS		Outline Appra	N/A	Second Appra	N/A	Final Appra	N/A	Start	N/A	Finish	N/A
District Ref		SL/282		District Contact		J. TOMALA		HQWQS Ref			
For use by : HQ WATER QUALITY SECTION											
For use by : WELSH OFFICE											



WELSH WATER AUTHORITY

PLAN NO. RW /0302 /I/1

LLANSOY AN01064

SEWAGE TREATMENT WORKS

This is the Plan referred to
in the Variation of Consent

Number RW /0302 /I/1

LLANSOY STW

DISCHARGE
POINT

SEWER
OUTFALL

SCALE

1/2500

WELSH WATER AUTHORITY				Welsh Office Form COPA4		Welsh Off Ref		AN 01064		
SUPPORTING INFORMATION FOR CONSENT/REVIEW - WWA Form SS.SI.1						Welsh W A Ref				
DISCHARGER + Agent	WELSH WATER AUTHORITY						WWA District		SE/ 456	
PREMISES / SOURCE Address/Location	LLANSOY SEWAGE TREATMENT WORKS, LLANSOY, USK, GWENT.									
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: SECRETARY OF STATE		Date: 29/8/81			
ADVERTISEMENT ?	Yes / No because: UNCHANGED EXISTING DISCHARGE									
OUTLET DETAILS	New / ~~Altered~~ / Exg	OS Ref	SO 4385 0195		Diam	150 mm	Form	PIPE IN HEADWALL		
SAMPLING POINT	TDIB SPT	42036	OS Ref	SO 4395 0205		Outlet / HUMUS TANK OUTLET				
DISCHARGE IS TO	Inland Stream	☒	Landl Pond	Onto Land	Into Land	Groundwtr	Estuary	Coastal		
RECEIVING WATER	Immediate / ~~Main~~	PILL BROOK / kms >								
Water in current RQO Programme ?	Data for :	Current Situatn		Short-term RQO		Long-term RQO		TDIB SPT Refs		
Immed. Yes / No	Assessed by :	NWC	Biol	NWC	Biol	by	NWC	Biol	by Up / Down	
Main Yes / No	Immed. Up / Down	N / A	N / A	N / A	N / A	19	N / A	N / A	19 44042 / 40710	
	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	N/A	N/A	N/A	0.1	N/A	0.1	N/A	N/A N/A	
	Of Main R.W. @ km									
	Effect of discharge on uses, etc.	NO KNOWN EFFECT								
EFFLUENT QUALITY DATA - derived from: 13 samples taken from: 11/7/85 to : 9/6/88 (mg/l except pH)	Determinand	BOD	SS	NH ₃ -N						
	Maximum	172.0	90.0	37.0						
	Minimum	5.1	15	0.4						
	Mean	56.63	42.38	21.30						
	Standard Deviation	44.85	22.79	11.23						
	Median / 50%ile	42.31	36.77	15.51						
	95%ile: N / LN / NP	174.60	93.76	108.66						
QUALITY LIMITS (mg/l except pH) S/W if seasonal 1/2 if phased	Existing	40	65	-						
	Proposed 95%ile	-	-	-						
	Proposed Maximum									
	Application									
CALCULATION MODE	To Quality Spec'n	5.0	74.56	0.78						
	Method used	WARN BREW + SENSITIVITY ANALYSIS								
EFFLUENT FLOW DATA	P Popul'n No.	G Consum'n m ³ /h/d	PG Sewage m ³ /d	I Infilt'n m ³ /d	E Trade m ³ /d	PG+I+E DWF m ³ /d	Storm Sewage Of flow Weir Setting x DWF 1/sec		Maximum Rate l/sec	Maximum Daily Vol m ³ /d
Existing Design	NOT KNOWN	NOT KNOWN	NOT KNOWN	NOT KNOWN	0	18.2	N/A N/A			
Max/Estd Current	65	0.18	11.7	NOT KNOWN	0	11.7	N/A N/A			
Proposed Design										
Ultimate Design										
Design Horizons: Proposed: <u>N/A</u> Ultimate:	Sewerage system is 5% combined		Flow values for Consent Conditions		Existing	18.2			0.64	55
					Proposed	18.2			0.64	55

SUPPORTING INFORMATION FOR A CONSENT / REVIEW (CONTINUED) - Form SS.SI.1						Welsh Off Ref							
Relating to: LLANSOY SEWAGE TREATMENT WORKS						Welsh W A Ref		AN 01064					
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: FROM FLOW DURATION CURVE DERIVED FROM GAUGINGS				Meas / ~~Estd~~ at OSGR: SO 4385 0195			Meas / Estd at OSGR:						
Effluent Statistic		Source of Data		Effluent Volume		Minimum	5%ile	Mean	Minimum	5%ile	Mean		
							1425	28450					
Dilution Ratios - expressed as						x River : 1 Effluent							
D.W.F.		Meas / Estd		11.7			122	2432					
Maximum		Meas / Estd											
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	N/A	N/A			
Unit	Detail	Existing	Proposed	Ultimate	Storm Tanks	Area	m ²	N/A	N/A				
Storm S. O'flow*	Set @ 1/s	N/A	N/A		" "	Volume	m ³	N/A	N/A				
Screens	Space mm	N/A	N/A		Septic Tank	Volume	m ³	9.0	9.0				
Well Retent'n.	Hours	N/A	N/A		Biol. Filters	Media	m ³	46.0	46.0				
Pumping Rate	Max. 1/s	N/A	N/A		Act'd. Sludge #	Volume	m ³	N/A	N/A				
Gravity Feed	Yes / No	YES	YES		Package Plant*	Surface	m ²	N/A	N/A				
Flow Meas't.*	Yes / No	NO	NO		Pasveer Ditch#	Volume	m ³	N/A	N/A				
Grit Removal	Yes / No	NO	NO		Final Sett't.	Area	m ²	3.25	3.25				
Macer'n/Comm'n.	Yes / No	NO	NO		Tert'y Treat.*	Area	m ²	N/A	N/A				
Other Units and Details		* Type # Power											
SLUDGE TREAT. AND DISPOSAL		TANKERED OFF-SITE TO PONTNIR S.T.W.											
TRADE WASTES Types & m ³ /d		NIL											
FURTHER DATA & STATEMENT From Dist/Div.		THE ORIGINAL DESIGN INFORMATION FOR EFFLUENT FLOWS IS NOT KNOWN. THE ORIGINAL DISCHARGE CONSENT ISSUED 29TH JULY 1969, WAS FOR A DISCHARGE VOLUME OF 4000 GALLONS/DAY (18.18m³/DAY). THIS HAS BEEN ASSUMED TO BE THE DESIGN DWF. ALTHOUGH THE PILL BROOK IS NOT DESIGNATED AS A FISHERY UNDER THE EEC DIRECTIVE, THE AMMONIA COMPUTATION HAS BEEN CARRIED OUT USING THE 95% ILE CRITERION OF 0.78 mg/l REQUIRED FOR SALMONID RIVER. THIS APPLICATION IS FOR DESCRIPTIVE CONSENT.											
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	N/A	Second Appra	N/A	Final Appra	N/A	Start	N/A	Finish	N/A			
District Ref	SL/282			District Contact	J. TOMALA			HQWQS Ref					
For use by : HQ WATER QUALITY SECTION													
For use by : WELSH OFFICE													

Pontypool 55333
Telefacsimile 51887

MEMORANDUM

WELSH WATER AUTHORITY
Directorate of Scientific Services
SOUTH EASTERN DISTRICT

Sluval Treatment Works
Sluval Road
Pontypool Gwent NP4 0TA

21st November 1988

To

Dot Casler

Seta Section (W.Q.)

Nelson

From

John Tomala

A.W.Q.O.

Our Reference ST/SL/629

Your Reference

Subject

SEWAGE WORKS CONSENT REVIEWS

Please find attached copies of the COPA & consent application forms in respect of Hlanbedd STW, Hlanbedd STW and Tre Tower STW. The formal applications are being forwarded to Welsh Office.

John.

Directorate of Scientific Services

WELSH WATER

SOUTH EASTERN DISTRICT
Pentwyn Road, Nelson
Treharris, Mid Glamorgan
CF46 6LY

Tel. Nelson (0443) 450577
Telefacsimile (0443) 451748



Mr. A. A. Houlden,
Principal Inspector (Water),
H.M.I.P.,
Welsh Office,
Cathays Park,
Cardiff.
CF1 3NQ

Your reference

Please quote reference

DHW/SP/AN01066/AN01064

If enquiring please ask for

Mr. David Williams

Date

15th February 1989

Dear Tony,

Tretower and Llansoy S.T.W.

I refer to your letter dated 7th February 1989 and the enclosed consent for the above works. We only received the first page, the certificate was missing. In addition there was no plan accompanying the consent for Llansoy S.T.W. Please can you remedy these omissions.

For your information would you please address all consent documents to me at the Nelson office where we have a centralised recording system.

Yours sincerely,

David Williams

D. H. Williams
DIVISIONAL POLLUTION CONTROL MANAGER
(DESIGNATE)

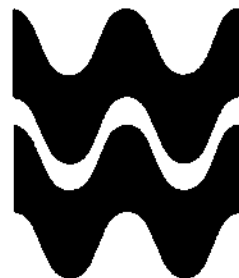
c.c. D. Carder

Directorate of Scientific Services

WELSH WATER

SOUTH EASTERN DISTRICT
Sluval Treatment Works
Sluval Road
Pontypool
Gwent NP4 0TA
Tel: Pontypool 55333
Telefacsimile 51887

Dot.



Mr. A. A. Houlden,
Principal Inspector (Water),
H.M.I.P.,
Welsh Office,
Cathays Park,
Cardiff.
CF1 3NQ

Your reference

Please quote reference

JT/SR SL/629

If enquiring please ask for

Mr. John Tomala

Date

28th November 1988

Dear Tony,

CONTROL OF POLLUTION ACT 1974
VARIATION OF SEWAGE WORKS
DISCHARGE CONSENTS

Please find enclosed the relevant documentation and applications for formal variation of discharge consents for the following:-

1. TRETOWER S.T.W.

This application is for descriptive consent.

2. LLANSOY S.T.W.

This application is for descriptive consent.

I would be grateful if you could give consideration to the granting of these variations.

Yours sincerely,

David Williams

D. H. Williams
WATER QUALITY OFFICER

Enc.





Caniatâd Gollwng

Tystysgrif Daliwr

Rhan A

**At: DWR CYMRU CYFYNGEDIG
PENTWYN ROAD
NELSON
TREHARRIS
MID GLAMORGAN CF46 6LY**

DS: I gorfforaeth gorfforedig mae teitl y swydd yn bwynt cysylltu.

Dyddiad Cychwyn y Daliwr : 16 Medi 2003

Mae Asiantaeth yr Amgylchedd ("yr Asiantaeth") yn cadarnhau drwy hyn mai / bod y sawl (neu sefydliad) a enwyd uchod yw / yn ddaliwr cofrestredig y caniatâd : AN0106401 Cyhoeddwyd y Caniatâd : 16 Medi 2003

Natur y Gollyngiad(au) : STEC Carthffrwd

yn SO4381602047 LLANSOY STW CHURCH LANE LLANSOY

Noder : Dylid cadw'r dystysgrif hon gyda'r ddogfen ganiatâd i gyfeirio ati yn y dyfodol. Os byddwch yn trosglwyddo cyfrifoldeb am y gollyngiad i rywun arall, rhaid i chi drosglwyddo'r caniatâd iddo ef neu hi a dweud wrth yr Asiantaeth cyn pen 21 diwrnod. Ni all y Daliwr wadu cyfrifoldeb am y caniatâd, ond gall cofrestriad y Daliwr gael ei drosglwyddo i olynydd. I wneud hynny, byddwch gystal â llenwi'r ffurflen isod (Rhan B), yna'i dychwelyd i'r cyfeiriad a nodir. Os fethwch â throsglwyddo'r caniatâd, hyd yn oed os nad ydych ar y safle mwyach, gallwch gael eich erlyn am achosi llygredd. Os trosglwyddwch y caniatâd ond heb ddweud wrthym, yna byddwch yn cyflawni trosedd. Os bydd gennych unrhyw ymholiadau a fydddech gystal â chysylltu â'ch swyddfa Asiantaeth yr Amgylchedd lleol, gan ddyfynnu Cyfeirnod y Caniatâd.

-----torrwrch yma-----

Rhan B

Llenwch mewn priflythrennau bras neu deipio

At: Deddf Adnoddau Dŵr 1991 : Hysbysiad am drosglwyddo Caniatâd Gollwng

Cyfeirnod y Caniatâd : AN0106401

Enw : DWR CYMRU CYFYNGEDIG

Cyhoeddwyd y 16 Medi 2003

Cyfeiriad : PENTWYN ROAD

Caniatâd :

NELSON

TREHARRIS

MID GLAMORGAN CF46 6LY

Yr wyf fi / Yr ydym ni* drwy hyn yn hysbysu'r Asiantaeth nad fi / ni mwyach yw* Daliwr / Deiliaid y caniatâd uchod a fydd yn cael / cafodd ei drosglwyddo i

** dilêr fel yn briodol*

Enw(au) y Daliwr / Deiliaid newydd :

Côd Post :

Dyddiad Trosglwyddo i'r Daliwr / Deiliaid newydd :

Llofnodwyd :

Dyddiedig :

Enw (priflythrennau bras) :

Swydd (os yn briodol) :

(i'w llenwi pan yn llofnodi ar ran corfforaethau corfforedig)

Water Resources Act 1991

as amended by the Environment Act 1995



ASIANTAETH YR
AMGYLCHEDD CYMRU
ENVIRONMENT
AGENCY WALES

Consents to Discharge

Certificate of Holder

Part A

To: DWR CYMRU CYFYNGEDIG
PENTWYN ROAD
NELSON
TREHARRIS
MID GLAMORGAN CF46 6LY

NB: For a body corporate the job title is a point of contact.

Holder Start Date : 16 September 2003

The Environment Agency ("the Agency") hereby confirm that the above named person (or organisation) is a / the registered Holder of the Consent : AN0106401 Consent Issued : 16 September 2003

Nature of Discharge(s) STEC Sewage effluent

at SO4381602047 LLANSOY STW CHURCH LANE LLANSOY

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 (Part B), 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 will 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, quoting the Consent Reference.

Part B

Please complete in block capitals or type

To: Water Resources Act 1991 : Notice of transfer of Consent to Discharge

Consent Reference : AN0106401

Name : DWR CYMRU CYFYNGEDIG

Consent Issued : 16 September 2003

Address : PENTWYN ROAD

NELSON

TREHARRIS

MID GLAMORGAN CF46 6LY

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 the new Holder(s) :

Post Code :

Date of Transfer to new Holder(s) _____

Signed : _____

Dated : _____

Name (block capitals) : _____

Position (if appropriate) : _____

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