

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 AN0180901

Nature of Discharge(s); SEWAGE EFF/TREATED EFF/CONTINUOUS
at CAERWENT S.T.W

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:

Form completed when signing



*Awdurdod Afonydd Cenedlaethol
Rhanbarth Cymru*

Mr. S. H. Lewis,
Consents Regulation Officer,
Dwr Cymru Cyf,
Plas-y-Ffynnon,
Cambrian Way,
Brecon,
Powys.

*National Rivers Authority
Welsh Region*

Date: 28th January 1990

Enquiries: Mr. Dave Mathias

Our Ref: DBLM/SP/AN01809

Your Ref:

Dear Sir,

WATER ACT 1989 - DISCHARGE CONSENT

With reference to my letter dated 10th December 1989 and enclosed consent no. AN 01809 for the discharge of treated sewage effluent from the Caerwent Sewage Treatment Plant Works to an un-named pond situated within the R.A.F. Caerwent Military base. Please note that an error has been found in this Consent. The National Grid Reference should be 479919 and not 419919 as previously stated. Please find enclosed therefore a revised consent.

I apologise for any inconvenience caused.

Yours faithfully,

T.A. Westwood

T. A. Westwood
DIVISIONAL SCIENTIST

Enc.

Cadeirydd Rhanbarthol
Yr Athro Ron Edwards
Rheolwr Rhanbarth Cyffredinol
Dr John Stoner
Plas-yr-Afon
Parc Busnes Lloneirwg, Lloneirwg
Caerdydd, CF3 0LT
Ffôn: Caerdydd (0222) 770088
Ffacs: (0222) 798555

Regional Chairman
Professor Ron Edwards
Regional General Manager
Dr John Stoner
Rivers House
St Mellons Business Park, St Mellons
Cardiff, CF3 0LT
Tel: Cardiff (0222) 770088
Fax: (0222) 798555

DB



*Awdurdod Afonydd Cenedlaethol
Rhanbarth Cymru*

Mr. S. H. Lewis,
Consents Regulation Officer,
Dwr Cymru Cyf,
Cambrian Way,
Brecon,
POWYS.

*National Rivers Authority
Welsh Region*

Date: 10th December 1989

Enquiries: Mr. Dave Mathias

Our Ref.: DBLM/SP/AN01809

Your Ref.:

Dear Sir,

WATER ACT 1989 - DISCHARGE CONSENT

I herewith enclose the Authority's formal consent to discharge treated sewage effluent from the Caerwent Sewage Treatment Works to an un-named pond situated within the R.A.F. Caerwent Military Base. I would be grateful if you could read the attached notes and acknowledge receipt of the consent by returning the reply slip overleaf to the address below as soon as possible.

Yours faithfully,

S. Price

P.P. T. A. Westwood
DIVISIONAL SCIENTIST

Enc.

c.c. Alan Freeman, Nelson

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NOTES

1. This Consent is a discharge consent granted under the provisions of Section 117 of the Water Act 1989 and it does not relieve the person to whom the Consent is granted from any statutory obligation to obtain consent or permission under any other legislation.
2. The attention of the person to whom this Consent is granted is drawn to Schedule 12 of the Water Act 1989 which gives the person the right of appeal to the Secretary of State for the Environment/Wales.
3. This Consent will not, without the permission in writing of the person to whom the Consent is granted, be varied or revoked before the expiration of a period of two years from the date of this Consent.

TO: D. Bunt, Technical Officer, National Rivers Authority,
Welsh Region, Plas-yr-Afon, Unit 3, St. Mellons Business
Park, St. Mellons, Cardiff.

FROM:

I herewith acknowledge receipt of Consent No. AN 01809



Awdurdod Afonydd Cenedlaetbol
Rhanbarth Cymru

National Rivers Authority
Welsh Region

WATER ACT 1989

Consent No. AN 01809

Under Section 113 and Schedule 12 of the Water Act 1989 and all other enabling powers the National Rivers Authority hereby gives this

C O N S E N T

Page 1 of 3

To : Dwr Cymru Cyf
Of : Plas-y-Ffynnon, Cambrian Way, Brecon, Powys
For : A discharge of treated sewage effluent
To : An un-named pond situated within the R.A.F. Caerwent Military base
From : The Caerwent sewage treatment works

CONDITIONS OF CONSENT

1. The discharge shall consist only of biologically treated sewage effluent from the Caerwent sewage treatment works.
2. Adequate facilities shall be provided for the taking of samples of this discharge at the outlet to the pond at grid reference **ST 419919**.
3. The volume of effluent under dry weather conditions shall not exceed 114 cubic metres in any period of 24 hours.
4. The maximum rate of flow discharged to the pond shall not exceed 5 litres per second. All sewage flow rates up to the maximum quoted above shall receive biological treatment.

See next page for additional conditions.

This Consent is given on: 10 December 1989 on behalf of the Authority
by: *T.A. Westwood.* DIVISIONAL SCIENTIST

During the period ending with the: 9 December 1991 the terms of this
Consent will not be altered without the written agreement of the person
making this discharge

Codeirdd Rhanbarthol
Yr Athro Ron Edwards
Rheolwr Rhanbarth Cyffredinol
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Rhanbarth Cymru

National Rivers Authority
Welsh Region

WATER ACT 1989

Consent No. AN 01809

Under Section 113 and Schedule 12 of the Water Act 1989 and all other enabling powers the National Rivers Authority hereby gives this

Continuation Sheet

Page 2 of 3

5. The quality of the effluent discharged to the river at all flow rates up to the maximum quoted in 4 above shall not be inferior to the following numerical quality limits (determinands) save as provided for in the Annex (page 3) to this consent.
- 5(a) The suspended solids concentration (dried at 105°C) shall not exceed 50 milligrams per litre.
- 5(b) The BOD (Biochemical Oxygen Demand) concentration determined in the presence of 0.5 milligrams per litre of allyl-thiourea shall not exceed 30 milligrams per litre.
- 5(c) The ammoniacal nitrogen expressed as nitrogen shall not exceed 10 milligrams per litre.

This Consent is given on: 10 December 1989 on behalf of the Authority
by: T.A. Westwood DIVISIONAL SCIENTIST

During the period ending with the: 9 December 1991 the terms of this
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Awdurdod Afonydd Cenedlaethol
Rhanbarth Cymru

Continuation Sheet

National Rivers Authority
Welsh Region

ANNEX

Page 3 of 3

Where the number of samples taken in any one year beginning with the date of this consent, and from any date thereafter falls within any of the ranges in Column 1 of the table below, the number of samples which are inferior to a specified numerical quality limit determinand set in Paragraph 5 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

Series of samples
taken in any year

4-7
8-16
17-28
29-40
41-53
54-67
68-81
82-95
96-110
111-125
126-140
141-155
156-171
172-187
188-203
204-219
220-235
236-251
252-268
269-284
285-300
301-317
318-334
335-350
351-365

Column 2

Maximum number of samples
in which the same numerical
quality limit may be exceeded

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
20
21
22
23
24
25

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WELSH WATER AUTHORITY		Welsh Office Form COPA4		Welsh Off Ref	
SUPPORTING INFORMATION FOR CONSENT/REVIEW - WWA Form SS.SI.1				Welsh W A Ref	
DISCHARGER - Agent		WELSH WATER AUTHORITY			WWA District
PREMISES / SOURCE Address/Location		CAERWENT STW			
DISCHARGE TYPE		FULLY TREATED SEWAGE WORKS			
DISCHARGE STATUS		New reg Consent	Exg reg Review	Exg reg Consent	✓ Prevly Exempt
CONSENT / REVIEW EXISTING - issued		To:	By:		Date:
ADVERTISEMENT ?		Yes / No because: EXISTING DISCHARGE			
OUTLET DETAILS		New / Altered / Exg	OS Ref	ST 49919	Diam 200 mm Form CLAY PIPE
SAMPLING POINT		TDIB SPT	47100	OS Ref	Outlet /
DISCHARGE IS TO		Inland Stream	Land Pond	✓ Onto Land	Into Land
RECEIVING WATER		Immediate / Main	/ kms >		
Water in current RQO Programme ?		Data for :	Current Situatn	Short-term RQO	Long-term RQO
Immed. <input checked="" type="checkbox"/> / No		Assessed by :	NWC	Biol	by
Main <input checked="" type="checkbox"/> / No		Immed. Up / Down	/	/	19
		Main Up / Down	/	/	19
USE(S) OF THE RECEIVING WATER, whether surface or groundwater		Exg / Future Use(s)	PotWS	IndWS	AgrWS
		Of Immed R.W. @ km	1		
		Of Main R.W. @ km			
		Effect of discharge on uses, etc.			
EFFLUENT QUALITY		Determinand	BOD5 ATU	SUSPENDED SOLIDS	AMMONIA
DATA - derived from: 3 samples taken from: 1.1.87 to: 31.12.88 (mg/l except pH)		Maximum	13.5	40.0	3.6
		Minimum	10.8	31.0	1.2
		Mean	12.1	35.0	2.2
		Standard Deviation	1.84	4.58	1.24
		Median / 50%ile	12.1	35.0	1.98
		95%ile: N / LN / NP	15.46	43.05	4.94
QUALITY LIMITS (mg/l except pH)		Existing	UNCONSENTED		
3/4 if seasonal		Proposed 95%ile			
1/2 if phased		Proposed Maximum			
CALCULATION MODE		Application	DESCRIPTIVE CONSENT		
		To Quality Spec'n			
		Method used			
EFFLUENT FLOW DATA		P Popul'n No.	G Consum'n m³/h/d	PG Sewage m³/d	I Infiltr'n m³/d
		E Trade m³/d	PG+I+E CWF m³/d	Storm Sewage Q'flow Weir Setting CWF	Maximum Rate l/sec
Existing Design					
Meas/Est'd Current				144	
Proposed Design					
Ultimate Design					
Design horizons:		Sewerage system is	Flow values for	Existing	
Proposed:		3 combined	Consent Conditions	Proposed	
Ultimate:					

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

Relating to:

Welsh Off Ref

Welsh W A Ref

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

Size

Mean

Minimum

Size

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

Primary Sett.

Area m²

61.74

Storm Tanks

Area m²

-

" "

Volume m³

-

Septic Tank

Volume m³

-

Biol. Filters

Media m³

1007

Act'd. Sludge #

Volume m³

-

Package Plant

Surface m²

-

Passive Ditch

Volume m³

-

Final Sett't.

Area m²

15.99

Tertiary Treat.

Area m²

-

Other Units
and Details

* Type
& Power

SLUDGE TREAT.
AND DISPOSAL

SLUDGE TANKERED OF SITE FOR DIGESTION AND FINAL DISPOSAL

TRADE WASTES
Types & m³/d

FURTHER DATA
& STATEMENT

From Dist/Div

Additional

conditions

Yearly effluents

and changes

EC Dangerous

Substances

EC Designated

Waters

SSSIs

(Continue on

Form SS.SI.2

if necessary)

CAERWENT IS SITUATED ON CROWN PROPERTY.
POPULATION FIGURES ARE UNAVAILABLE. FLOW IS BEST
ESTIMATED. OUTLET FROM PLANT FLOWS INTO NORTH
END OF THE LAKE WHICH THEN DISCHARGES AT
SOUTHERN END TO A POINT TO THE EAST OF THE
WORKS.

CAPITAL WORKS

Outline Appr

Second Appr

Final Appr

Start

Finish

District Ref

District Contact

HQWS Ref

For use by:

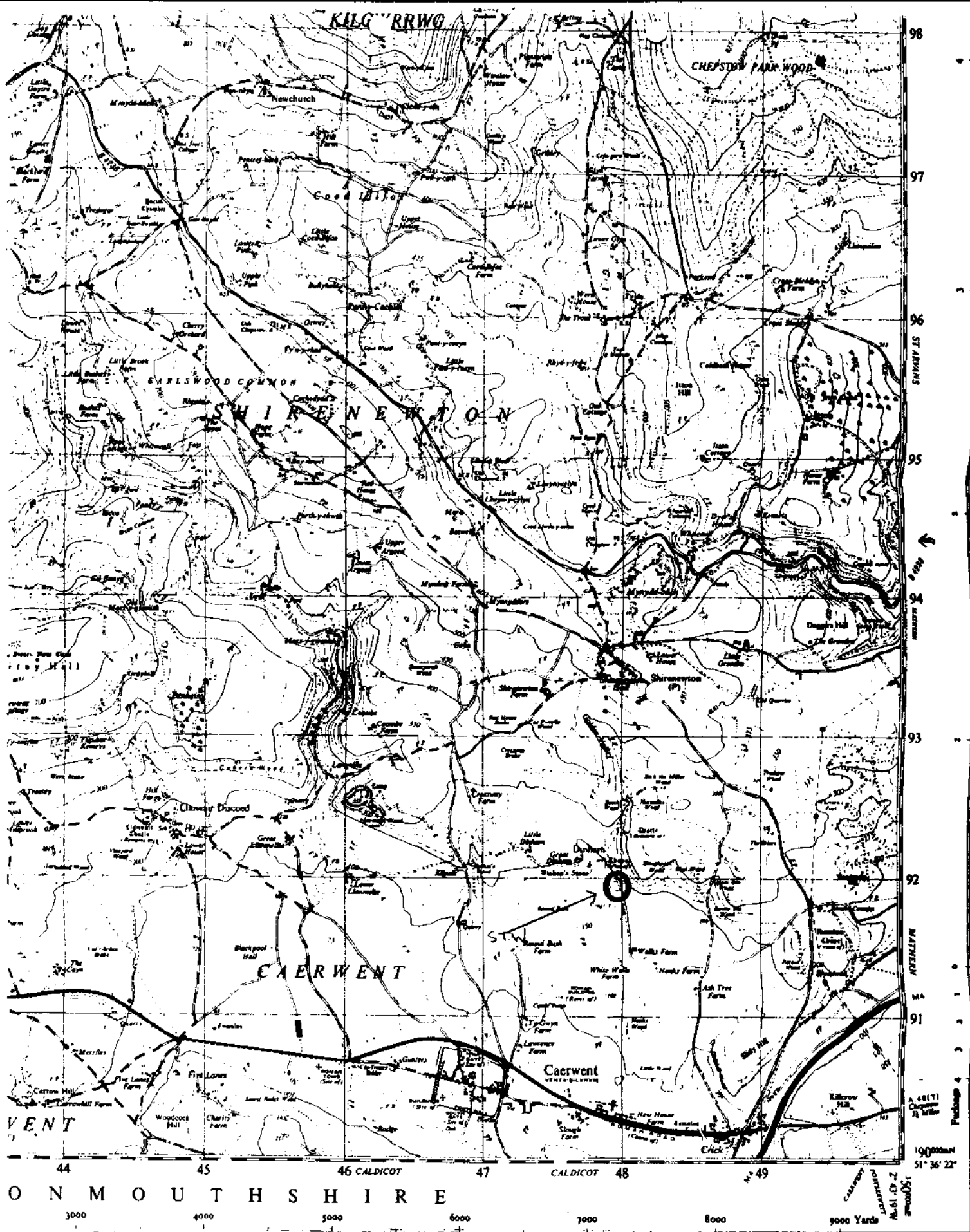
HQ WATER

QUALITY

SECTION

For use by:

WELSH OFFICE



The GRID lines on this sheet are at 1 Kilometre intervals.
 Heights are in feet above Mean Sea Level at Newlyn.

1 square inch on this map represents
 99.619 acres on the ground

The reference tables of Conventional Signs
 are published separately.

Compiled from 6" sheets last fully revised 1917-19
 Other partial systematic revision 1949 has been
 incorporated.
 Major roads revised 1966.

Made and published by the Director General of the Ordnance Survey, Chesham, Bucks, 1966.
 Reprinted with the addition of new major roads 1966.

SHEET ST49

The approval of the Director General of the Ordnance Survey, and of the Controller of Her Majesty's Stationery Office,
 in whose name this map is issued, is hereby given that this map is published
 according to the Ordnance Survey, and is made in the best manner.