

Your ref.: various
Our ref.: N/WQConsents/DSAnnex

Date: 14th March 2000



ASiantaeth YR
AMGYLCHEDD CYMRU
ENVIRONMENT
AGENCY WALES

Mr A. Andrews
Dŵr Cymru cyf.
Plas Y Fynnon
Cambrian Way
Brecon
LD3 7HP

RECEIVED
- 5 APR 2000
BUCKLEY

Dear Sir

DISCHARGE CONSENTS - NOTIFICATION OF CHANGE TO DANGEROUS SUBSTANCES ANNEX

According to our records, you have a Consent to discharge trade or sewage effluent. The Discharge Consent contains the following condition or one that is similar: -

"The discharger shall notify the Agency in writing if any known introduction or material change in respect of discharges from trade premises...occurs that may increase or introduce into the effluent any "dangerous substance" included on List I, List II, or Red List (set out in Annex ...to this notice as updated from time to time and notified to the discharger in writing)..."

Owing to Regulations issued by DETR, the Environment Agency has reviewed the listing of substances in the Annex to this condition.

The Surface Waters (Dangerous Substances) (Classification) Regulations (SI No 2560 (1997) and SI No 389 (1998)) have made some substances, which had previously been identified in Government circular 7/89, statutory and have added 20 new substances to this list. The Annex listing has also been revised to reflect the additional substances in the Regulations and to include other substances that have become a cause for concern since 1989 when the listing was first issued.

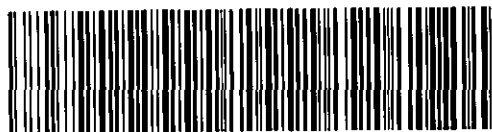
This letter and the attached revised listing serves as the required Notification, referred to in the Consent condition. The change takes immediate effect. Please replace the old list with the new one. Please contact your local Environment Agency office and write or speak to Alun Davies if you have any queries about this letter.

Thank you for your help in this important matter.

Yours faithfully

B. Williams

PP
**KEVIN THOMAS
WATER QUALITY MANAGER WALES**



CG0145001_2006_02_27

Asiantaeth yr Amgylchedd Cymru
Plas-yr-Afon, Parc Busnes Llancirwg, Llancirwg, Caerdydd, CF3 0EY
Ffon: 029 20770088 Ffacs: 029 20798555

Environment Agency Wales
Rivers House, St Mellons Business Park, St Mellons, Cardiff, CF3 0EY
Tel: 029 20770088 Fax: 029 20798555



CONSENT NO.	CG-014-5001
SCHEDULE NO.	

ANNEX

- | | |
|--|------------------------------|
| 1. Mercury and its compounds | 2. Cadmium and its compounds |
| 3. Hexachlorocyclohexane
(lindane and related compounds) | 4. Carbon tetrachloride |
| 5. DDT (the isomers of 1,1,1-trichloro-2,2 bis{p-chlorophenyl} ethane) | |
| 6. Pentachlorophenol (PCP) | 7. Aldrin |
| 8. Dieldrin | 9. Endrin |
| 10. Isodrin | 11. Hexachlorobenzene (HCB) |
| 12. Hexachlorobutadiene (HCBd) | 13. Chloroform |
| 14. Polychlorinated biphenyls | 15. Dichlorvos |
| 16. 1,2-Dichloroethane | 17. Trichlorobenzene |
| 18. Atrazine | 19. Simazine |
| 20. Tributyltin compounds | 21. Triphenyltin compounds |
| 22. Trifluralin | 23. Fenitrothion |
| 24. Azinphos-methyl | 25. Malathion |
| 26. Endosulfan | 27. Lead |
| 28. Chromium | 29. Zinc |
| 30. Copper | 31. Nickel |
| 32. Arsenic | 33. *Iron |
| 34. *pH outside range 5.5 to 9.0 | 35. *Boron |
| 36. Vanadium | 37. PCSD'S |
| 38. Cyfluthrin | 39. Sulcofuron |
| 40. Flucifuron | 41. Permethrin |
| 42. 4-Chloro-3-methyl-phenol | 43. 2-Chlorophenol |
| 44. 2,4-Dichlorophenol | 45. 2,4-D (ester) |
| 46. 2,4-D (non ester) | 47. 1,1,1-Trichloroethane |
| 48. 1,1,2-Trichloroethane | 49. Bentazone |
| 50. Benzene | 51. Biphenyl |
| 52. Chloronitrotoluenes | 53. Demeton |
| 54. Dimethoate | 55. Linuron |
| 56. MCPA | 57. Mecoprop |
| 58. Mevinphos | 59. Napthalene |
| 60. Omethoate | 61. Toluene |
| 62. Triazophos | 63. Xylene |
| 64. Cyanide | 65. Azinphos-ethyl |
| 66. Fenthion | 67. Parathion |
| 68. Parathion-methyl | 69. Trichloroethylene |
| 70. Tetrachloroethylene | 71. Dioxins |
| 72. PAHs | 73. Nonyl phenol |
| 74. Nonyl phenyl ethoxylate | 75. Di-ethylhexyl phthalate |
| 76. Bisphenol-A | 77. Diazinon |
| 78. Chlorfenvinphos | 79. Chlorotoluron |
| 80. Isoproturon | 81. Diuron |
| 82. Propetamphos | 83. Flumethrin |
| 84. Amitraz | 85. High-Cis Cypermethrin |
| 86. Cyromazine | 87. Deltamethrin |
| 88. Cypermethrin | |

This list is applicable as at 1 December 1998 and will be updated as and when changes to the relevant legislative requirements occur.

*Notification to the Agency by the Consent holder is only required in respect of changes to trade effluents likely to cause significant changes to the pH value, and/or iron or boron concentrations, of the crude sewage.

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 CG0145001

Nature of Discharge(s): SEWAGE EFF/TREATED EFF/CONTINUOUS
at RHIW PWLLHELI

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)





Awdurdod Afonydd Cenedlaethol
Rhanbarth Cymru

National Rivers Authority
Welsh Region

Consent No.	CG0145001
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WATER RESOURCES ACT 1991

Under Section 88 and Schedule 10 of the Water Resources Act 1991 and all other enabling powers the National Rivers Authority hereby gives this

C O N S E N T

Page 1 of 2

To: Dwr Cymru Cyfyngedig

Of: Plas-y-Ffynnon, Cambrian Way, Brecon, Powys LD3 7HP

For: A discharge of treated sewage effluent.

To: Coastal waters.

From: Rhiw Pwllheli.

WHEREAS

1. On the 3rd September 1987 the Welsh Water Authority applied to the Secretary of State for Wales for consent to make a discharge of treated sewage effluent from Rhiw Pwllheli into controlled waters.

2. Consent was deemed granted on 29th September 1987 such that the discharge could lawfully be made pursuant to the provisions contained in article 4 of the Control of Pollution (Exemption of Certain Discharges from Control) (Variation) Order 1986 (as amended by article 2 of SI 1987 No 1782).

NOWHEREFORE under Section 88 and Schedule 10 of the Water Resources Act 1991 and all other enabling powers, the National Rivers Authority HEREBY GIVES YOU NOTICE that the said discharge of treated sewage effluent will become subject to the conditions contained herein three months from the date of issue of this Consent.

continued.....

Aelod Rhanbarthol o'r Bwrdd
Yr Athro Ron Edwards

Regional Board Member
Professor Ron Edwards

Rheolwr Rhanbarth Cyffredinol
Dr John Stoner

Regional General Manager
Dr John Stoner

Highfield, Ffordd Priestley
Caernarfon
Gwynedd, LL55 1HR
Ffôn: Caernarfon (0286) 672247
Ffacs: (0286) 4451

Highfield, Priestley Road
Caernarfon
Gwynedd, LL55 1HR
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Awdurdod Afonydd Cenedlaethol
Rhanbarth Cymru

National Rivers Authority
Welsh Region

Consent No. CG0145001

WATER RESOURCES ACT 1991
Continuation Sheet

page 2 of 2

CONDITIONS OF CONSENT

1. The discharge shall consist only of treated sewage effluent.
2. The discharge shall be made in the manner and at the place specified as follows:-
Discharge via : A 150mm pipe 50m below HWMOT (at LATM)
Discharge to : Coastal waters
At OS Grid Ref. : SH 2244 2615
As shown marked : Outfall on the enclosed map.
3. The maximum volume of treated sewage effluent shall not exceed 225 m3 per day.
4. Adequate facilities shall be provided to enable representative samples of the discharge to be conveniently obtained at any time.
5. The outfall shall be maintained in an efficient operational condition at all times.
6. The Authority shall be informed in writing as soon as reasonably practicable of any information received by Dwr Cymru to the effect that there has been or is likely to be discharged into the sewer upstream of the outfall, substances listed in the attached annex.
7. This Consent should not be taken as providing a statutory defence against a charge of pollution in respect of any poisonous, noxious or polluting constituents not specified herein.

This Consent is given on: 23 NOVEMBER 1992 on behalf of the Authority
by: [Signature] Area Environmental Quality Manager

During the period ending with the 22 NOVEMBER 1994 the terms of this Consent will not be altered without the written agreement of the person making the discharge.

Aelod Rhanbarthol o'r Bwrdd
Yr Athro Ron Edwards

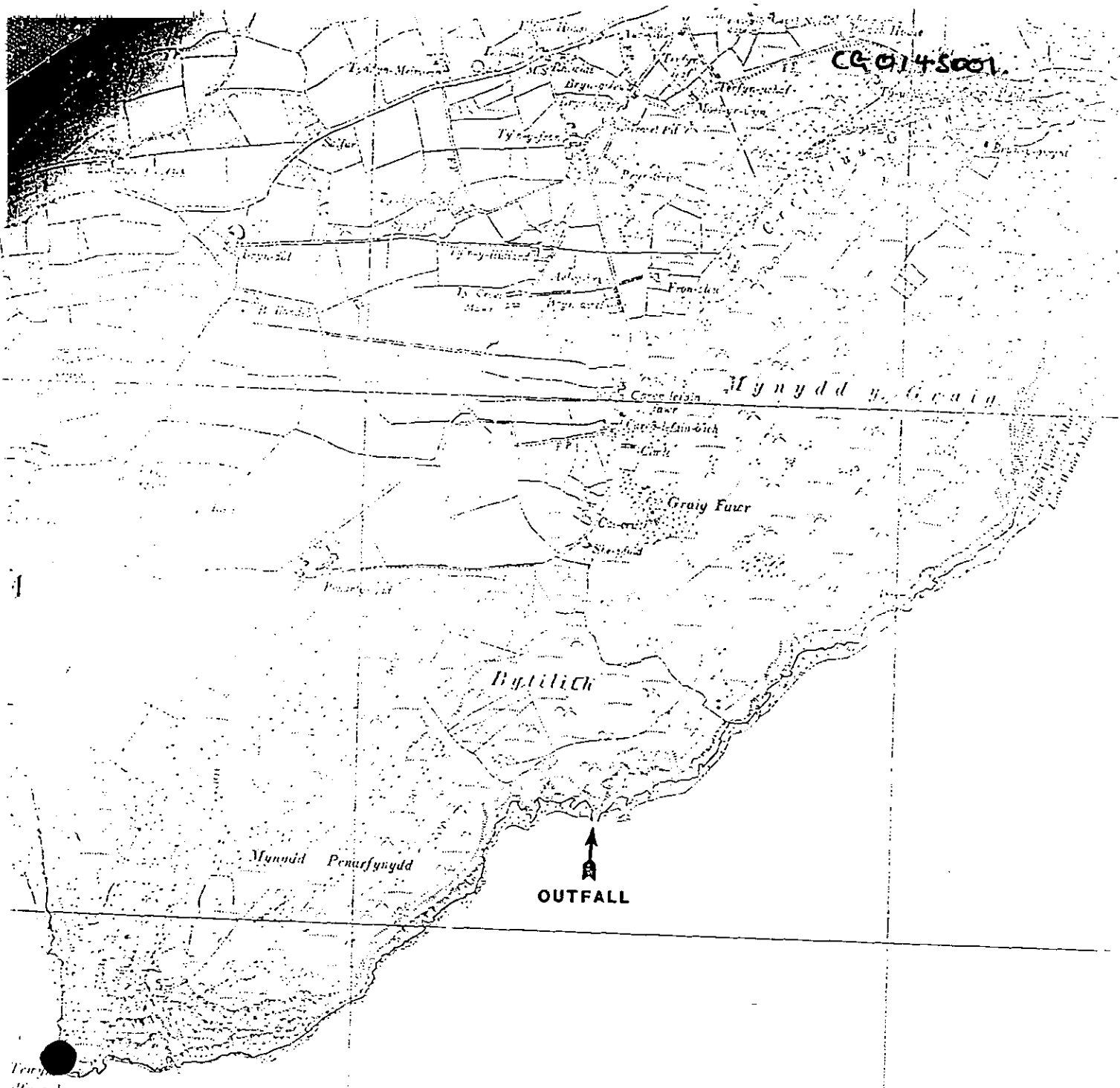
Regional Board Member
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CG 0145001

OUTFALL

22 23
S T G E O R G E S C H A N N E L

INDEX TO
ADJOINING SHEETS
THE NATIONAL GRID

A N N E X

<u>SUBSTANCE</u>	
Mercury	Boron
Cadmium	Vanadium
g-Hexachlorocyclohexane	PCSDs
DDT	Cyfluthrin
Pentachlorophenol	Sulcofuron
Hexachlorobenzene	Flucofuron
Hexachlorobutadiene	Permethrin
Aldrin	Cyanide
Dieldrin	Azinphos-ethyl
Endrin	Fenthion
Polychlorinated Biphenyls	Parathion
Dichlorvos	Parathion-methyl
1,2 Dichloroethane	Tetrachloroethylene
Trichlorobenzene	Trichloroethane
Atrazine	Isodrin
Simazine	Dioxins
Tributyltin compounds	
Triphenyltin compounds	
Trifluralin	
Fenitrothion	
Azinphos-methyl	
Malathion	
Endosulphan	
Carbon tetrachloride	
Chloroform	
Trichloroethylene	
Perchloroethylene	
Lead	
Chromium	
Zinc	
Copper	
Nickel	
Arsenic	
Iron	
pH	



HER MAJESTY'S
INSPECTORATE OF POLLUTION
 Cathays Park Cardiff CF1 3NQ

Direct Line 0222 82 3175 Switchboard 0222 825111 GTN 2408

Mr. N. Jones,
 WWA - N. District

Your Reference CG 01450 01
 Our Reference WEP/WS 9111/90
 Date 12 January 1987

cc Dr. C. Pattinson

**THE CONTROL OF POLLUTION (EXEMPTION OF CERTAIN DISCHARGES FROM CONTROL)
 (VARIATION) ORDER 1986**

I am writing to acknowledge receipt of the application under cover of the Welsh Water Authority's letter of 29/9/1987 in respect of the discharge of [Primary treated sewage and storm sewage water ~~crude sewage~~ ~~storm sewage~~] from the outfall at Rhiw, Pwllheli, at SH2244 2615

That application having been made to the Secretary of State before 15 October 1987 has been recorded as a consent deemed to have been given pursuant to the provisions contained in article 4 of the Control of Pollution (Exemption of Certain Discharges from Control) (Variation) Order 1986 (as amended by article 2 of SI 1987 No 1782).

I will write to you in due course concerning the further consideration which will be given to the said application.

Yours sincerely,

A.A. Houlden
 H.M.I.P. (Water)

APPLICATION FOR DEEMED CONSENT

WELSH WATER AUTHORITY		Welsh Office Form COPAS		Welsh Off Ref	
SUPPORTING INFORMATION FOR CONSENT/REVIEW		WWA Form SS.SI.3		Welsh W A Ref	
				CG0145001	
DETAILS OF AN OUTFALL TO TIDAL WATERS					
DISCHARGER + Agent	WWA			WWA District	N / W
PREMISES / SOURCE Address/Location	Rhiw, Pwllheli, Gwynedd				
DISCHARGE TYPE	Primary Treated Sewage and storm sewage water.				
CATCHMENT SERVED BY OUTFALL	Area (km ²) and Type i.e. Resort, Residential, Industrial	Residential		Population	
				Winter	77
				Summer	100
PRELIMINARY TREATMENT	Type of Screens				
	Number of Screens	Area of Each Screen	m ²	Aperture Size	mm.
	Method of Disposal of Screenings				
	Other Treatment e.g. Grit Removal, Comminut'n, Macer'n.				
SAMPLING POINT	TD1B SPT	OS Ref	At:		
	Sampling Constraints eg tide lock, access				
FLOW MONITORING FACILITIES	Type of Equipment				
	Location				
	Precision	Accuracy			
	Type of Data Output				
REGIME OF DISCHARGE	Tidal Storage	YES No	Total Storage Capacity	m ³	x Daily DWF
	Discharge is by	Gravity / Pumps	No. of Pumps	Maximum Rating	l/s
	Period of Discharge in Tidal Cycle				
OUTFALL DETAILS	Location of End	OS Ref	SH22442615	Latitude/Longitude	52 ° 48.25' N 4 ° 38 ' W
	Pipe Constructed of				
	Diameter of Pipe	(Internal) 150 mm.	Pipe is all / part buried / laid on bed		
	Length of Outfall *	From Headworks	m.	From HWMOT	50 m. Beyond LATM 0 m.
	Diffuser Ports	Number of Ports	Diameter of Orifices	mm.	
	Spacing of Ports	Height of Orifices above Bed	mm.		
	Protection of Ports				
	Options for Tender?	No / Yes	If 'Yes', give details of the options under Other Information		
DEPTH OF WATER	Over Outfall Diffuser Orifices at Low Water	At Lowest Astronomical Tides	At Mean Spring Tides	At Mean Neap Tides	
		metres	metres	metres	
INITIAL DILUTION	For 3 x DWF	At Mean Low Water Spring Tides			
BATHING BEACHES	Nearby beach(es) and least distance from Outlet(s) to beach	Low use beach. Porth Neigwl 2.5 kms			
USES OF RELEVANT WATERS	E.g. Shellfishery, Fishing, Sailing, etc.	Bathing, watersports, fishing			
OTHER INFORMATION	Enter any other relevant information overleaf				* To Terminal Port

SUPPORTING INFORMATION FOR A CONSENT / REVIEW (CONTINUED) Form SS.SI.3

Welsh Off Ref

Relating to an Outfall to Tidal Waters at :

Welsh W A Ref

OTHER INFORMATION

Design DWF = 37.5 M³/Day

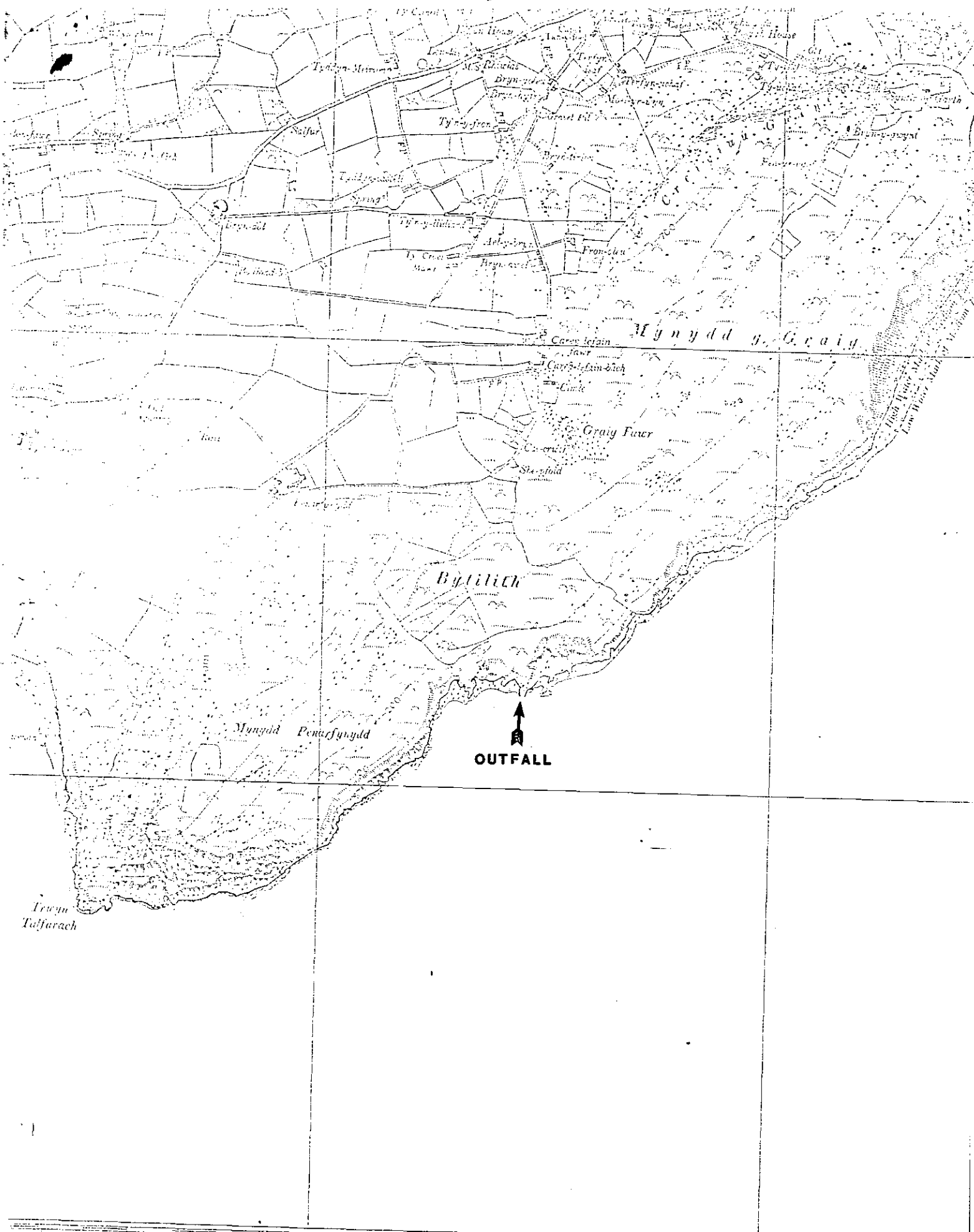
District Ref

District Contact

HQWQS Ref

For use by HQ WATER QUALITY SECTION

For use by WELSH OFFICE



22

23

S T G E O R G E S C H A N N E L

1000

2000

INDEX TO
ADJOINING SHEETS

THE NATIONAL GRID
TO CIVIL ENGINEERS OF CO.

LEADING PAGE

WELSH WATER AUTHORITY				Welsh Office Form COPA4		Welsh Off Ref					
SUPPORTING INFORMATION FOR CONSENT/REVIEW - WWA Form SS.SI.1						Welsh W A Ref		CG0145001			
DISCHARGER +Agent		W.W.A.						WWA District		N /W	
PREMISES / SOURCE Address/Location		Rhiw, Pwllheli, Gwynedd									
DISCHARGE TYPE		Primary Treated Sewage and storm sewage water									
DISCHARGE STATUS		New reqg Consent		Exg reqg Review		Exg reqg Consent		✓ Prevly Exempt		Temp'y until	
CONSENT / REVIEW EXISTING - issued		To:				By:				Date:	
ADVERTISEMENT ?		Yes/ No because:									
OUTLET DETAILS		New / Altered / Exg		OS Ref		SH22442615		Diam		mm Form	
SAMPLING POINT		TDIB SPT		22987		OS Ref		SH2238 2667		Outlet / Humus tank outlet	
DISCHARGE IS TO		Inland Stream		Landl.Pond		Onto Land		Into Land		Groundwtr	
RECEIVING WATER		Immediate / Main								/ kms >	
Water in current RQO Programme ?		Data for :		Current Situath		Short-term RQO		Long-term RQO		TDIB SPT Refs	
Immed. Yes / No		Assessed by :		NWC		Biol		NWC		Biol	
Main Yes / No		Immed. Up / Down		/		/		/		/	
		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: 7 samples taken from:18/3/83 to :13/10/86 (mg/l except pH)		Determinand		BOD		NH ³		Solids			
		Maximum		243.0		54.5		141.0			
		Minimum		63.0		17.6		37.0			
		Mean		158.2		43.9		71.4			
		Standard Deviation		70.81		11.5		33.3			
		X MAX / 50%ile		139.9		41.6		64.93			
		95%ile: MX / LN / MX		284.1		64.4		130.7			
QUALITY LIMITS (mg/l except pH) S/W if seasonal 1/2 if phased		Existing									
		Proposed 95%ile									
		Proposed Maximum									
		Application									
CALCULATION MODE		To Quality Spec'n									
		Method used									
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 O'flow Weir Setting									
		x DWF		l/sec							
		Maximum Rate l/sec									
		Maximum Daily Vol m ³ /d									
Existing Design		W77 S100								37.5	
Meas/Estd Current											
Proposed Design											
Ultimate Design											
Design Horizons: Proposed: Ultimate:		Sewerage system is % combined		Flow values for Consent Conditions		Existing Proposed					

APPLICATION FOR DEEMED CONSENT

SUPPORTING INFORMATION FOR A CONSENT / REVIEW (CONTINUED) Form SS.SI.1						Welsh Off Ref					
Relating to:						Welsh W A Ref					
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:					
			Minimum	5%ile	Mean	Minimum	5%ile	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					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				
Macer'n/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											
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			District Contact				HQWQS Ref				
For use by : Q WATER QUALITY SECTION											
For use by : WELSH OFFICE											