



AAC

Awdurdod Afonydd Cenedlaethol
Rhanbarth Cymru



NRA

National Rivers Authority
Welsh Region

Consent No. BP0234401

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 3

To: Dŵr Cymru Cyfyngedig.

Of: Plas Y Ffynnon, Cambrian Way, Brecon, Powys LD3 7HP.

For: A discharge of Biologically Treated Sewage Effluent.

To: Coastal Waters at Pwll Gwaelod Bay, Dinas.

From: Dinas Sewage Treatment Works.

This consent shall 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.

CONDITIONS OF CONSENT

1. The discharge shall consist only of biologically treated sewage effluent.
2. The discharge shall be made in the manner and at the place specified as follows:-

Discharging via : 6" inch diameter outfall pipe

Discharging to : Pwll Gwaelod Bay

At OS Grid Ref. : SN 003 398

As shown marked : Point "J" on attached plan BP0234401

3. Adequate facilities, approved in writing by the Authority, shall be provided to enable representative samples of the discharge to be safely and conveniently obtained at any time at the sampling chamber within Dinas Sewage Treatment Works as shown marked 'Sampling Point' on the attached plan BP0234401.
4. The volume of effluent discharged under dry weather flow conditions shall not exceed 407 cubic metres per day.

Rheolwr Cyffredinol Rhanbarthol
Dr John Stoner

Llys Afon
Hawthorn Rise
Hwlfordd
Dyfed SA61 2BQ
Ffôn: Hwlfordd (0437) 760081
Ffacs: (0437) 760881

continued.. Regional General Manager
Dr John Stoner

Llys Afon
Hawthorn Rise
Haverfordwest
Dyfed SA61 2BQ
Tel: Haverfordwest (0437) 760081
Fax: (0437) 760881

WATER RESOURCES ACT 1991
Continuation Sheet

Consent No. BP0234401

page 2 of 3

5. The maximum rate of flow of effluent discharged shall not exceed 9.5 litres per second.
6. The maximum volume of effluent discharged shall not exceed 814 cubic metres per day.
7. Calibrated apparatus, approved in writing by the Authority, shall be provided and maintained in full working order, to permit the instantaneous rate of flow of effluent discharged to be measured accurately at any time.
8. The quality of the effluent discharged at all flow rates up to the maximum specified in condition 5 shall not be inferior to the following numerical limits, except as provided for in Annex 1:
 - 8a The 5 day biochemical oxygen demand (BOD ATU), determined at 20 degrees Celsius after the suppression of nitrification using allyl-thiourea, shall not exceed 50 milligrammes of Oxygen per litre of sample.
 - 8b The suspended solids concentration (dried at 105 degrees Celsius) shall not exceed 60 milligrammes per litre.
9. The Authority shall be informed in writing as soon as reasonably practicable of any information received by Dŵr Cymru to the effect that there has been or is likely to be discharged into the sewerage system connected to the works, a significant increase in the quantity of any of the substances listed in the attached annex.
10. For the purposes of this consent 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 0.25mm on one day.

continued.....

WATER RESOURCES ACT 1991
Continuation Sheet

Consent No. BP0234401

page 3 of 3

11. The effluent shall at no time contain any matter other than matters specifically authorised or limited by numerical conditions in this consent, to such an extent as to cause the receiving waters to be poisonous or injurious to fish or the spawning ground, spawn or food of fish.

This Consent is given on: 4th March 1994 on behalf of the Authority
by: [Signature] Area Environmental Quality Manager

During the period ending with the 3rd March 1996 the terms of this Consent will not be altered without the written agreement of the person making the discharge.

ANNEX 1.

Where the number of samples taken in any period of twelve consecutive months falls within any of the ranges within Column 1 of the table below, the number of samples which are inferior to the numerical quality limit in force at the time for any determinand 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. This annex shall not apply to the upper tier limits.

TABLE

<u>Column 1</u>	<u>Column 2</u>
Number of samples taken in any period of 12 months	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

ANNEX 2.

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

PLAN OF OUTFALL SEWER FROM DISPOSAL WOF

