

CONSENT NO.

BP0054801



ASiantaeth Yr  
AMGYLCHEDD CYMRU  
ENVIRONMENT  
AGENCY WALES

**WATER RESOURCES ACT 1991**

**SECTION 88 - SCHEDULE 10**

**(AS AMENDED BY THE ENVIRONMENT ACT 1995)**

**VARIATION OF CONSENT TO DISCHARGE**

**TO:** Environment Quality Scientist  
Dwr Cymru Cyfyngedig  
Plas y Ffynnon  
Cambrian Way  
Brecon  
LD3 7HP

In pursuance of an application by the consent holder for variation of consent, the **ENVIRONMENT AGENCY** ("The Agency") in pursuance of its powers under the Water Resources Act 1991 **HEREBY VARIES ITS CONSENT** to the making of a discharge **OF SEWAGE EFFLUENT**, as follows:

**SECONDARY TREATED SEWAGE EFFLUENT**

with respect to Consent No. **BP0054801** issued on the 22nd day of October 1992

**FROM: OVERTON SEWAGE TREATMENT WORKS**

**AT: OVERTON, PORT EYNON, GOWER**

**TO: COASTAL WATERS AT OVERTON MERE**

**HEREAFTER SUBJECT TO** the conditions set out in the following schedule(s):

**SECONDARY TREATED SEWAGE EFFLUENT**

**Schedule No. BP0054801 01**

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 variations made to this consent, without the agreement in writing of the consent holder, during a period of 4 years from the date this variation is issued.

This variation of consent is issued and takes effect on the 16 day of MARCH 1999

Signed .....  
Water Quality Consents Team Leader



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DATE ISSUED	16 <sup>th</sup> March 1999



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## CONDITIONS OF CONSENT TO DISCHARGE

### SECONDARY TREATED SEWAGE EFFLUENT ("the Discharge")

**FROM: OVERTON SEWAGE TREATMENT WORKS, OVERTON, PORT EYNON, GOWER**

### 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 200mm diameter pipe;
  - (b) discharging to coastal waters at Overton Mere;
  - (c) at National Grid Reference SS 4639 8448;
  - (d) shown marked 'Consent Point' on Plan No. BP0054801 attached as Annex 3.

### SAMPLE POINT

3. An appropriately labelled sample point shall be provided and maintained at National Grid Reference SS 4635 8505 as shown marked 'Sampling Point' on Plan No. BP0054801 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 2000 cubic metres per day.
5. The rate of discharge shall not exceed 23 litres per second.



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6. The Dry Weather Flow of the Discharge shall not exceed 700 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.

7. (a) A flow measurement structure shall be provided and maintained to enable the daily volume and instantaneous flow rate of the Discharge to be measured or determined as required.
- (b) In addition to the basic measurement structure, a continuous flow recorder, to an agreed specification, with on-site visual display from which readings can be readily obtained, shall be provided and maintained to enable the daily volume and instantaneous flow of the Discharge to be recorded.
- (c) Copies of the readings shall be maintained by the consent holder and kept available for inspection by the Agency.
- (d) The recorder shall be calibrated and maintained on a regular basis to ensure that it is reading to an agreed standard. The consent holder shall keep a record of the calibration results available for inspection by the Agency.

## COMPOSITION

8. (a) Subject to paragraph (b) below, the Discharge shall not contain more than 100 milligrammes per litre of biochemical oxygen demand (measured after 5 days at 20°C with nitrification suppressed by the addition of allyl-thiourea);
- (b) The limit for the parameter set out in paragraph 8(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 1 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 parameter.
9. The Discharge shall not contain more than:
- (i) 250 milligrammes per litre of biochemical oxygen demand (measured after 5 days at 20°C with nitrification suppressed by the addition of allyl-thiourea);
- (ii) 250 milligrammes per litre of suspended solids (measured after drying at 105°C).



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## **SCREEN FAILURE**

10. (a) A 24 hour response telemetry alarm system shall be provided.
- (b) The alarm system shall be maintained to provide a notification in the event of a failure of the screen raking mechanism during normal operation.
- (c) The consent holder shall notify the Agency, within 24 hours of receipt of a telemetry warning, that the failure has taken place.
- (d) On request the consent holder shall supply the Agency with a written report on the screen raking mechanism failure. The report shall detail the reasons why the situation occurred, the actions taken by the consent holder and an assessment of what measures can be adopted in the future to minimise such occurrences.

## **WORKS OPERATION**

11. 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 7 and 8, than is required by those conditions;
- (b) any alteration of the works or a change in the type of treatment used.

## **MAINTENANCE**

12. (a) The consent holder shall maintain the outfall pipe in an efficient operational condition, so as to minimise the probability of blockages or other failures, and shall implement periodic inspections of the integrity and performance of the outfall pipe.
- (b) On request the consent holder shall supply the Agency with a written report on the maintenance and all non-routine actions undertaken.



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## UNUSUAL WEATHER CONDITIONS

13. (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 7, 8 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.

## RECORDING AND REPORTING

14. (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 Authority with a written report on the maintenance and all non-routine actions that may have adversely affected effluent quality.



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15. The consent holder shall notify the Agency in writing if any known introduction or material change, in respect of discharges from trade premises to the sewerage system, occurs that may increase or introduce into the effluent any "dangerous substance" included on Lists I, II or Red List (set out in Annex 2 to this notice as updated by the Agency from time to time, and notified to the consent holder in writing), or any other substance considered by the consent holder as having or likely to have a significant effect on the receiving waters.

### **SUBSTANTIAL CHANGE**

16. 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.

- 16.1 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.

- 16.2 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.

- 16.3 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 7 and 8 of this consent but it may be significant if it is caused by a change in some other characteristic of the Discharge.

- 16.4 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;



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- (b) any discharge by a third party which is authorised under Chapter III of Part IV of the Water Industry Act 1991 or which is only accepted as a result of a contract with the sewerage undertaker.

### UNAUTHORISED DISCHARGES

17. 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.



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## ANNEX 1

### TABLE

#### Column 1

#### Column 2

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



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## ANNEX 2

### SUBSTANCE

Mercury  
Cadmium  
g-Hexachlorocyclohexane  
DDT  
Pentachlorophenol  
Hexachlorobenzene  
Hexachlorobutadiene  
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  
Tetrachloroethylene

Lead  
Chromium  
Zinc  
Copper  
Nickel  
Arsenic  
Iron  
pH  
Boron  
Vanadium  
Cyfluthrin  
Sulcofuron  
Flucofuron  
Permethrin  
Cyanide  
Azinphos-ethyl  
Fenthion  
Parathion  
Parathion-methyl  
Trichloroethane  
Dioxins  
Isodrin



