

CG0340901_2006_03_06

AAC



NRA

Consent No. CG0340901

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 Notice

R E V I E W O F C O N S E N T

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To: Dŵr Cymru Cyfyngedig

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

In respect of previous Consent No. CG0340901 issued on: 22nd October 1993

For: A discharge of biologically treated sewage effluent

To: Estuarial waters

From: Brynsiencyn Sewage Treatment works

THE FOLLOWING REPLACE ALL PREVIOUS CONDITIONS

1. The discharge shall consist solely of biologically treated sewage effluent.
2. The discharge shall be made from a 150mm diameter pipe at National Grid Reference SH 4936 6624 into the Menai Strait as shown marked "Consent Point" on the attached plan No. CG0340901.
3. The level of the top inner surface of the outfall pipe shall be located below MLWS.
4. A sample point at National Grid Reference SH 493 668, as shown marked "Sampling Point" on the attached plan No. CG0340901, shall be constructed maintained and appropriately labelled so that a representative sample of the biologically treated sewage effluent discharged may be obtained. The discharger 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 biologically treated sewage effluent taken at the said sampling point is a sample of what was discharging into controlled waters.

continued.....

WATER RESOURCES ACT 1991
 Continuation Sheet

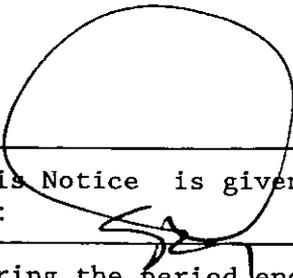
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5. The volume of effluent discharged shall not exceed 665 cubic metres in any period of 24 consecutive hours. The rate of discharge shall not exceed 7.7 litres per second.
6. Flow measurement structures shall be provided and maintained to enable the daily volume and instantaneous flow rate to be measured or determined as required.
7. (a) Subject to paragraph 7(b) below, no sample of the discharge shall contain more than;
 - (i) 50 milligrammes per litre of biochemical oxygen demand (measured after 5 days at 20 degrees Celsius with nitrification suppressed by the addition of allyl-thiourea)
 - (ii) 60 milligrammes per litre of sususpended solids (measured after drying at 105 degrees Celsius)
- (b) The limit for any of the relevant parameters set out in paragraph 7(a) 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 relevant parameter.
8. The discharger shall notify the Authority in writing if any known introduction or 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 Authority from time to time, and notified to the discharger in writing), or any other substance considered by the discharger as having or likely to have a significant effect on the receiving waters.
9. The outfall shall be maintained in an efficient operational condition at all times.

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10. (a) i) No samples of the sewage effluent taken at a time when Sections 87(2) or 89(1) of the Water Resources Act 1991 apply, and the operation of the sewage treatment works is consequently adversely affected, shall be taken into account in deciding whether or not conditions contained in paragraph 7 (a) of this consent have been complied with.
- (a) ii) On each occasion that the sewage treatment works is not under normal operating conditions for the reasons in 10.(a) i), the discharger shall use its best endeavours to mitigate any adverse effect and shall notify the Authority by telephone as soon as practicable and confirm in writing within 14 days of the occurrence of such conditions. That notification shall include a full description of the abnormal operating conditions and their impact on the operation of the works.
- (b) i) No samples of the sewage effluent 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 in paragraph 7 (a) of this consent have been complied with.
- (b) ii) For the purpose of this condition "unusual weather conditions" shall include:-
- (a) low ambient temperatures as evidenced by effluent temperatures of 5 degrees celsius or less, or by the freezing of mechanical equipment in the works;
 - (b) significant snow deposits;
 - (c) tidal or fluvial flooding;
 - (d) 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.

- 10.(b) iii) On any occasion where unusual weather conditions adversely affect the operation of the sewage treatment works, the discharger shall use its best endeavours to mitigate the adverse affect. The discharger shall notify the NRA by 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 occurence of such conditions). That notification shall include a full description of the unusual weather conditions and their impact on the operation of the works.
11. As far as is reasonably practicable, the works shall be operated so as to prevent:
- (a) any matter being present in the effluent, other than matter specifically covered by numerical conditions in this consent, to such an extent as to cause the receiving waters to be poisonous or injurious to fish in those waters, or to the spawning grounds, spawn or food of fish in those waters, or otherwise cause damage to the ecology of those waters; and
 - (b) the treated effluent from having any other adverse environmental impact.

This Notice is given on: 18th August, 1994 on behalf of the Authority
 by:  Area Environmental Quality Manager

During the period ending with the: 17th August, 1996 the terms of this Notice will not be altered without the written agreement of the person making the discharge.

ANNEX 1.

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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

SUBSTANCE

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| | |
|---------------------------|------------------|
| Mercury | Vanadium |
| Cadmium | PCSDs |
| g-Hexachlorocyclohexane | Cyfluthrin |
| DDT | Sulcofuron |
| Pentachlorophenol | Flucofuron |
| Hexachlorobenzene | Permethrin |
| Hexachlorobutadiene | Cyanide |
| Aldrin | Azinphos-ethyl |
| Dieldrin | Fenthion |
| Endrin | Parathion |
| Polychlorinated Biphenyls | Parathion-methyl |
| Dichlorvos | Trichloroethane |
| 1,2 Dichloroethane | Dioxins |
| Trichlorobenzene | Isodrin |
| 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 | |

