

CONSENT NO. **BP0283201**



**ASiantaeth Yr
Amgylchedd Cymru
Environment
Agency Wales**

WATER RESOURCES ACT 1991

SECTION 88 – SCHEDULE 10

(AS AMENDED BY THE ENVIRONMENT ACT 1995)

CONSENT TO DISCHARGE

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

The **ENVIRONMENT AGENCY** ("The Agency") in pursuance of its powers under the Water Resources Act 1991 **HEREBY CONSENTS** to the making several discharges **OF SEWAGE EFFLUENT**, as follows:

Storm Sewage

Sewage in an Emergency

FROM: BRITON FERRY SEWAGE PUMPING STATION

AT: INNER DOCK, BRITON FERRY, NEATH

TO: NEATH ESTUARY

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

Storm Sewage

Schedule No. BP0283201 01

Sewage in an Emergency

Schedule No. BP0283201 02

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, altering this consent, without the agreement in writing of the consent holder, during a period of 4 years from the date this consent takes effect.

This consent is issued and takes effect on the 15th day of December 2000

Signed
Team Leader Water Quality Consents

Asiantaeth yr Amgylchedd Cymru
Glan Tawe, 154 Ffordd Sant Helen, Abertawe, Gorllewin Morgannwg, SA1 4DF
Ffon: 01792 645300, Ffacs: 01792 470068

Environment Agency Wales
Glan Tawe, 154 St. Helens Road, Swansea, West Glamorgan, SA1 4DF
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CONSENT NO.	BP0283201
SCHEDULE NO.	BP0283201 01
DATE ISSUED.	15th December 2000



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CONDITIONS OF CONSENT TO DISCHARGE

Storm Sewage ("the Discharge")

**FROM: BRITON FERRY SEWAGE PUMPING STATION, INNER DOCK,
BRITON FERRY, NEATH**

NATURE

1. The Discharge shall consist solely of storm sewage.

LOCATION

2. The Discharge shall be made in the manner and at the place specified as:
 - (a) discharging via a 900 millimetre diameter concrete pipe, and a 1200 millimetre to 1500 diameter egg-shaped brick sewer;
 - (b) discharging to the Neath estuary;
 - (c) at National Grid References SS 7336 9391 and SS 7335 9384, respectively;
 - (d) shown marked 'Consent Point A' and 'Consent Point B' respectively, on Plan BP0283201 attached as Annex 1.

SAMPLE POINT

3. An appropriately labelled sample point shall be provided by start of commissioning of the station and maintained at National Grid Reference SS 7346 9387, as shown marked 'Sampling Point' on Plan N^o BP0283201 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 Discharge shall occur only when the rate of flow in the overflow chamber is in excess of 71.2 litres per second due to rainfall and/or snowmelt.
5. A storm sewage facility of 263 cubic metres design capacity shall be provided and fully utilised prior to discharge being made.



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COMPOSITION

6. (a) The Discharge shall not contain a significant quantity of solid matter having a size greater than 10 millimetres in more than two dimensions.
- (b) The Discharge shall not be comminuted or macerated to achieve the standard in (a) above.

MAINTENANCE

7. The overflow shall be maintained in an efficient operational condition.

EVENT MONITOR/TELEMETRY

8. (a) A recording system shall be provided and maintained to record the frequency and duration of overflow events.
- (b) The consent holder shall supply the Agency and the Swansea Bay Port Health Authority with a written annual summary of the frequency and duration of overflow events.

OTHER

9. (a) The consent holder shall establish and operate a documented maintenance and de-gritting programme at the Ynysmaerdy Road flow-splitter, upstream of Jersey Park culvert, so as to ensure that the structure remains operational and that overflow to the culvert shall only occur when the rate of flow in the flow-splitting chamber is in excess of 160 litres per second due to rainfall and/or snowmelt;
- (b) On request, the consent holder shall supply the Agency with a written report on the maintenance programme and all non-routine actions associated with the flow-splitter.



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DATE ISSUED.	15th December 2000



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CONDITIONS OF CONSENT TO DISCHARGE

Sewage in an Emergency ("the Discharge")

**FROM: BRITON FERRY SEWAGE PUMPING STATION, INNER DOCK,
BRITON FERRY, NEATH**

NATURE

1. The Discharge shall consist solely of sewage in an emergency.
2. The Discharge shall only occur when the sewage pumping station is inoperative as a result of one or more of the following:
 - (i) electrical power failure not due to the act or default of the Consent Holder, its agents, representatives, officers, employees or servants;
 - (ii) mechanical breakdown of duty and standby pumps;
 - (iii) rising main failure;
 - (iv) blockage of the downstream sewer not due to the act or default of the consent holder, its agents, representatives, officers, employees or servants;

and it is not reasonably practicable to dispose of the sewage otherwise. There shall be no undue delay on the part of the consent holder in remedying any such failure or breakdown.

LOCATION

3. The Discharge shall be made in the manner and at the place specified as:
 - (a) discharging via a 900 millimetre diameter concrete pipe, and a 1200 millimetre to 1500 diameter egg-shaped brick sewer;
 - (b) discharging to the Neath estuary;
 - (c) at National Grid Reference SS 7336 9391 and SS 7335 9384, respectively;
 - (d) shown marked 'Consent Point A' and 'Consent Point B' respectively, on Plan BP0283201 attached as Annex 1.



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SAMPLE POINT

4. An appropriately labelled sample point shall be provided by start of commissioning of the station and maintained at National Grid Reference SS 7346 9387, as shown marked 'Sampling Point' on Plan N^o: BP0283201 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

5. Storage capacity of 220 cubic metres or greater, equivalent to a total of at least 2 hours at 3DWF in the sewer immediately upstream of the pumping station, shall be provided in the pumping station and / or the upstream sewerage system, above the wet well design top water level.

For the purposes of this condition 3DWF shall be defined as calculated from $3PE + I + 3E$ where P is population, G is water consumption per head per day, I is infiltration allowance and E is trade effluent flow to sewer.

COMPOSITION

6. (a) The Discharge shall not contain a significant quantity of solid matter having a size greater than 10 millimetres in more than two dimensions.
- (b) The Discharge shall not be comminuted or macerated to achieve the standard in (a) above.

RECORDING AND REPORTING

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



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8. The consent holder shall notify the Agency in writing if any known or planned 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" (set out in Annex 2 to this notice as updated from time to time and notified to the consent holder in writing), and any other substance considered by the consent holder as having or likely to have a significant effect on the receiving waters.

TELEMETRY

9. (a) A 24 hour response telemetry alarm system shall be provided by start of commissioning of the station and maintained to provide a notification in the event of operation of the emergency overflow.
- (b) The consent holder shall notify the Agency and the Swansea Bay Port Health Authority, as soon as practicable after receipt of an overflow telemetry warning, that operation of the emergency overflow has taken place.
10. On request the consent holder shall supply the Agency with a written report on the operation of the emergency overflow.

POWER

11. Facilities shall be provided so that a mobile stand-by generator may readily be installed at the pumping station in the event of electrical failure and the consent holder shall install and operate such a generator as soon as is practicable after an electrical failure.

PUMPS

12. The duty pump(s) shall be maintained in good working order, and at least one stand-by pump shall be provided and maintained.
13. Stand-by pump(s) shall activate should the duty pump(s) become inoperative for reasons other than power failure. The pumping station shall be maintained so that the pump shall reactivate as soon as is practicable after the power is restored after the interruption to the supply.

OTHER

14. A tanker access facility at an appropriate location shall be provided and maintained to enable removal of sewage by tanker.



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ANNEX 2

- | | |
|--|------------------------------|
| 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 (HCB) | 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. Flucofuron | 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.

