

CONSENT NO.

BP0287801



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
Pentwyn Road
Nelson
Treharris
CF46 6LY

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 several discharges OF SEWAGE EFFLUENT, as follows:

**STORM SEWAGE
SEWAGE IN AN EMERGENCY**

With respect to Consent No. BP0287801 issued on the 1st day of December 2000

FROM: BAGLAN SEWAGE PUMPING STATION

AT: BRITON FERRY, NEATH

TO: SWANSEA BAY

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

**SETTLED STORM SEWAGE
SEWAGE IN AN EMERGENCY**

**Schedule No. BP0287801 01
Schedule No. BP0287801 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, 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 4th day of October 2004

Signed



Alan J Jones
Environment Management Team Leader

Asiantaeth Yr Amgylchedd Cymru
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SCHEDULE NO.	BP0287801 01
DATE ISSUED	<i>AK Dwyer</i> , 2004



**ASiantaeth Yr
Amgylchedd Cymru
Environment
Agency Wales**

CONDITIONS OF CONSENT TO DISCHARGE

SETTLED STORM SEWAGE ("the Discharge")

FROM: BAGLAN PUMPING STATION

NATURE

1. The Discharge shall consist solely of settled storm sewage.

LOCATION

2. The Discharge shall be made in the manner and at the place specified as:
 - (a) discharging via a 1200 millimetre diameter pipe terminating in 5 diffuser ports each 150 millimetres internal diameter;
 - (b) discharging to Swansea Bay;
 - (c) at National Grid Reference SS 7024 8811;
 - (d) shown marked 'Baglan Sea Outfall' on Plan No. BP0287801 attached as Annex 1.

SAMPLE POINT

3. An appropriately labelled sample point shall be provided by and maintained at National Grid Reference SS 7402 9319, as shown marked 'Storm Sample Point' on the attached Plan BP0287801, 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 being discharged into controlled waters.

VOLUME

4. The Discharge shall occur when, and only for as long as, the storm tanks are full. The discharge of storm sewage to the storm tank shall only occur when the rate of



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flow in the inlet sewer in excess of 583 litres per second due to rainfall and/or snow melt. The storm tanks shall be emptied and its contents returned for full treatment as soon as practicable after cessation of the overflow to the storm tanks.

5. The capacity of the storm tanks shall be at least 3910 cubic metres.

COMPOSITION

6. (a) The discharge shall not contain more than a significant quantity of solid matter having a size greater than 6 millimetres in more than one direction
- (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, duration and volume of overflow events in a format to be agreed with the Agency.
- (b) The consent Holder shall supply to the Agency on a monthly basis a written report of the frequency and duration of the overflow events.

RECORDING AND REPORTING

9. (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 officer's 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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SCHEDULE NO.	BP0287801 02
DATE ISSUED	14 December, 2004



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CONDITIONS OF CONSENT TO DISCHARGE

SEWAGE IN AN EMERGENCY ("the Discharge")

FROM: BAGLAN SEWAGE PUMPING STATION

NATURE

1. The Discharge shall consist solely of sewage in an emergency.
2. The Discharge shall only occur when the sewage pumping station or downstream waste water treatment works 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 1200 millimetre diameter pipe terminating in 5 diffuser ports each 150 millimetres internal diameter;
 - (b) discharging to Swansea Bay;
 - (c) at National Grid Reference SS 7024 8811;
 - (d) shown marked 'Baglan Sea Outfall' on Plan No. BP0287801 attached as Annex 1.



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SAMPLE POINT

4. An appropriately labelled sample point shall be provided and maintained at National Grid Reference SS 7402 9321, as shown marked 'Emergency Overflow and Sample Point at Inlet Chamber' on the attached Plan BP0287801, or some other point as agreed in writing with the Agency, 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 being discharged into controlled waters.

VOLUME

5. Storage capacity of 3910 cubic metres, equivalent to a total of at least 4 hours at dry weather flow 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, or in a dedicated downstream storage tank.

COMPOSITION

6. (a) The discharge shall not contain more than a significant quantity of solid matter having a size greater than 6 millimetres in more than one direction
- (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 officer's 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 planned or 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 substances' (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 water.

TELEMETRY

9. (a) A 24 hour response telemetry alarm system shall be provided by start of commissioning of the station and maintained to give notification of failure or breakdown of the pumping station.
- (b) The Consent Holder shall take all reasonable remedial measures to return the pumping station to normal operation, as soon as practicable after warning of failure or breakdown of the pumping station.
- (c) The Consent Holder shall notify the Agency and Swansea Bay Port Health Authority, as soon as practicable, when there is potential for operation of the emergency overflow in the event of failure or breakdown of the pumping station.

OTHER

10. A permanent standby power generator shall be provided and maintained in good working order.
11. The duty pump(s) shall be maintained in good working order, and at least one standby pump shall be provided and maintained.
12. Standby 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(s) shall reactivate as soon as is practicable after the power is restored after the interruption to the supply
13. A tanker access facility at an appropriate location shall be provided and maintained to enable removal of sewage by tanker when necessary.



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- 14.** An external pumping equipment facility shall be provided and maintained for use in the event of installed pumps being inoperative.





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 (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 |





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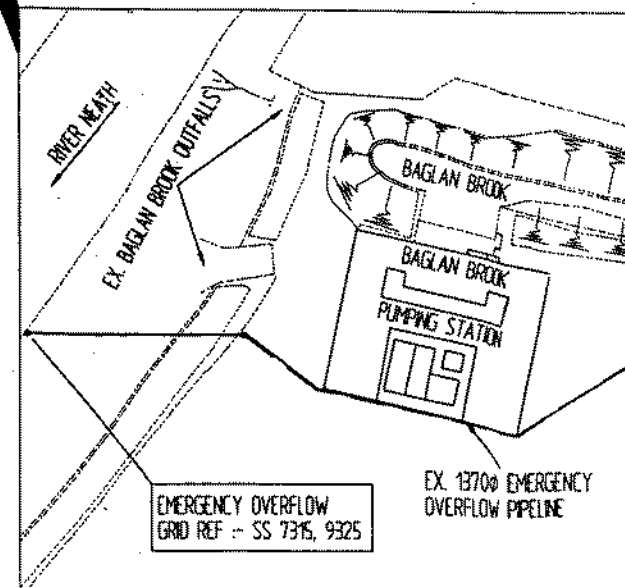
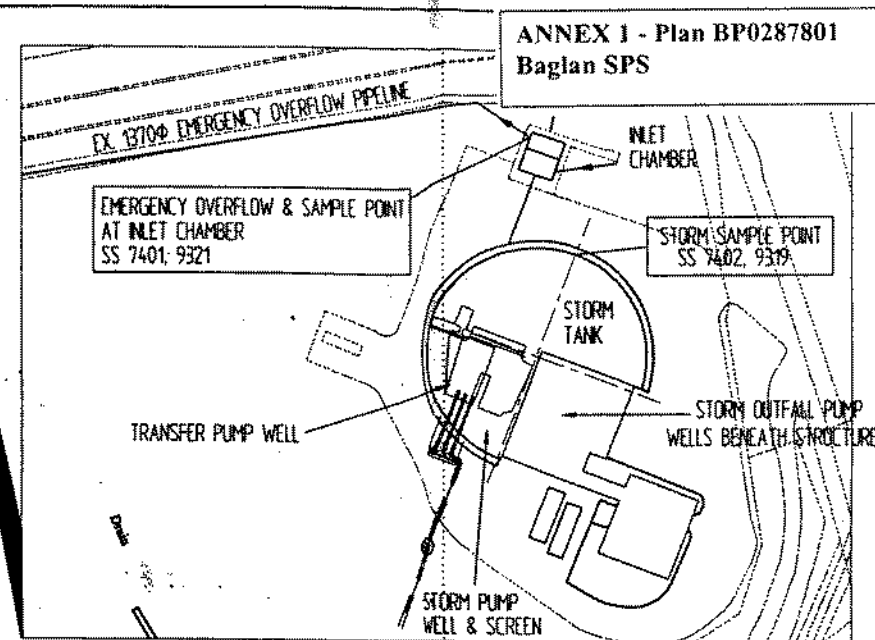
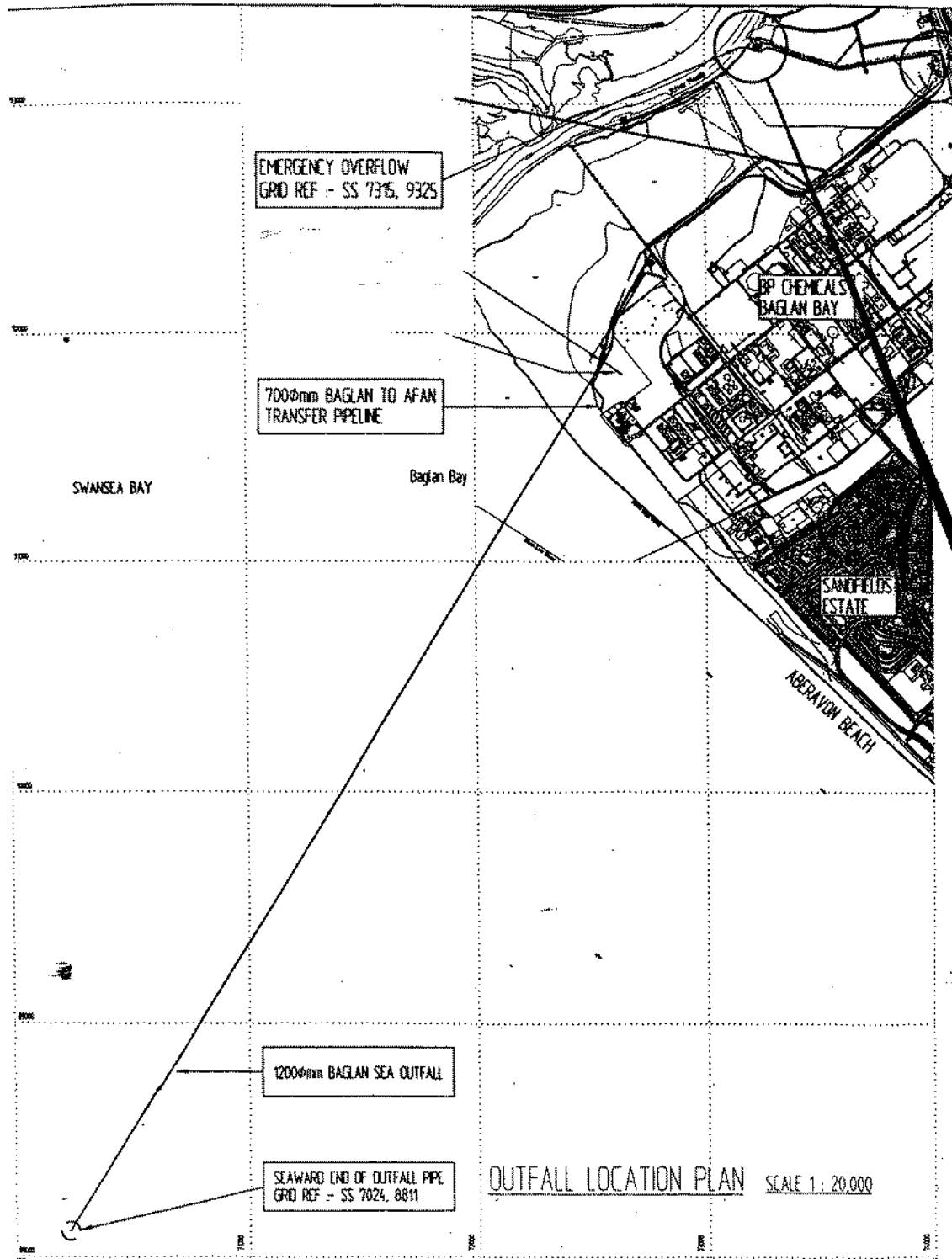
- 86. Cyromazine
- 88. Cypermethrin

- 87. Deltamethrin

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.





B APPROVED TO CD-DRAWN BY J. [Signature] DATE 10	
A DISCHARGE CONSENT	DATE ALN ALN FEB 02
Issue Description	Author Date Date
Client DWR CYMRU CYFYNGEDIG SOUTH WESTERN DIVISION	
Project AFAN W.W.T.W.	
Title CONSENT APPLICATION FOR OUTFALL DISCHARGES	
Scale AS	Notes
AS SHOWN	LOCAL
Hyder HYDER CONSULTING Plymouth, Devon Tel: 01752 771100 Fax: 01752 701000	
Project Code SH00220	Drawing No. 536
	Issue B