

CONSENT NO.	BP0287901
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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**  
Dwr Cymru Welsh Water  
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: Baglan Sewage Pumping Station**

**AT: Briton Ferry, Neath**

**TO: Tidal River Neath**

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

Storm Sewage	BP0287901 01
Sewage in an Emergency	BP0287901 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 1st day of December 2000

Signed...   
Area Environment Planning Manager

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  
Tel: 01792 645300, Fax: 01792 470068



<b>CONSENT NO.</b>	<b>BP0287901</b>
<b>SCHEDULE NO.</b>	<b>BP0287901 01</b>
<b>DATE ISSUED</b>	<b>1<sup>st</sup> December 2000</b>



**ASiantaeth Yr  
Amgylchedd Cymru  
Environment  
Agency Wales**

## **CONDITIONS OF CONSENT TO DISCHARGE**

**Storm Sewage ("the Discharge")**

**FROM: Baglan Pumping Station**

### **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 1370 millimetre diameter pipe
  - (b) discharging to the Tidal River Neath
  - (c) at National Grid Reference SS7315 9325;
  - (d) shown marked 'Emergency Overflow' on Plan BP0287901 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 SS7402 9322, as shown marked 'Emergency Overflow & Sample Point' on Plan BP0287901 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 only occur when the rate of flow at the inlet sewer is in excess of 1783 litres per second due to rainfall and/or snow melt.



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## **COMPOSITION**

5. Where abnormal conditions result in a significant discharge of unsatisfactory solid matter which is visible in the receiving watercourse or on the banks of the receiving watercourse, in the vicinity of the outfall, the consent holder shall take all reasonable steps to collect and remove such matter as soon as reasonably practicable after the discharge has been reported.

## **MAINTENANCE**

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

## **EVENT MONITOR/TELEMETRY**

7.
  - (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 on the frequency and duration of overflow events.

## **RECORDING AND REPORTING**

8.
  - (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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<b>SCHEDULE NO.</b>	<b>BP0287901 02</b>
<b>DATE ISSUED</b>	<b>1<sup>st</sup> December 2000</b>



**ASiantaeth Yr  
Amgylchedd Cymru  
Environment  
Agency Wales**

## **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 1370 millimetre diameter pipe;
  - (b) discharging to The Tidal River Neath;
  - (c) at National Grid Reference SS7315 9325;
  - (d) shown marked 'Emergency Overflow' on Plan BP0287901 attached as Annex 1.



<b>CONSENT NO.</b>	<b>BP0287901</b>
<b>SCHEDULE NO.</b>	<b>BP0287901 02</b>



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Environment  
Agency Wales**

## **SAMPLE POINT**

4. An appropriately labelled sample point shall be provided and maintained at National Grid Reference SS7402 9322, as shown marked 'Emergency Overflow & Sample Point' on Plan BP0287901 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.

## **COMPOSITION**

5. Where abnormal conditions result in a significant discharge of unsatisfactory solid matter which is visible in the receiving watercourse or on the banks of the receiving watercourse, in the vicinity of the outfall, the consent holder shall take all reasonable steps to collect and remove such matter as soon as reasonably practicable after the discharge has been reported.

## **RECORDING AND REPORTING**

6. (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.
7. 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 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.

## **OTHER**

8. (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.



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- (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.
9. A permanent stand-by power generator shall be provided and maintained in good working order.
  10. The duty pump(s) shall be maintained in good working order, and at least one stand by pump shall be provided and maintained.
  11. 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.
  12. A tanker access facility at an appropriate location shall be provided and maintained to enable removal of sewage by tanker.
  13. An external pumping equipment facility shall be provided and maintained for use in the event of installed pumps being inoperative.





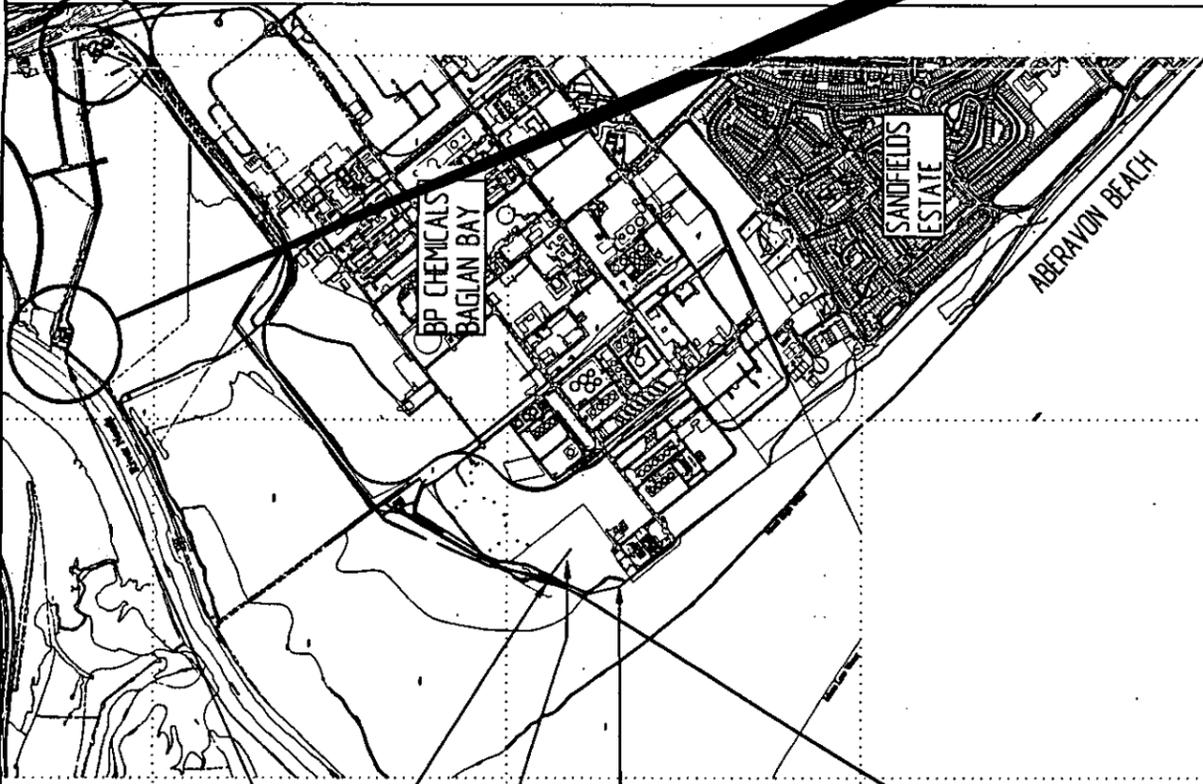
**ANNEX 2**

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
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.





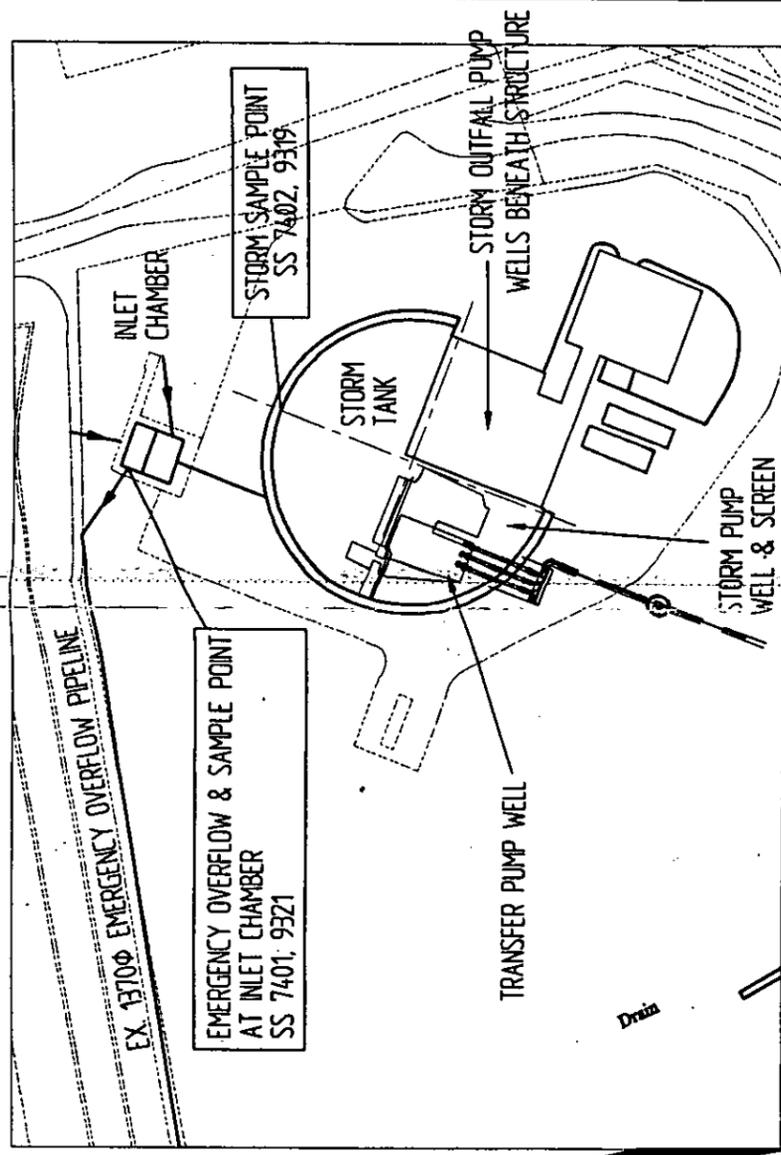
- EMERGENCY OVERFLOW  
GRID REF :- SS 7315, 9325
- BP CONNECTION SAMPLE  
POINT SS 7257, 9188
- BP CONNECTION TO  
OUTFALL
- 700mm BAGLAN TO AFAN  
TRANSFER PIPELINE

**ENVIRONMENT AGENCY WALES**

PLAN N° *BR0257901*

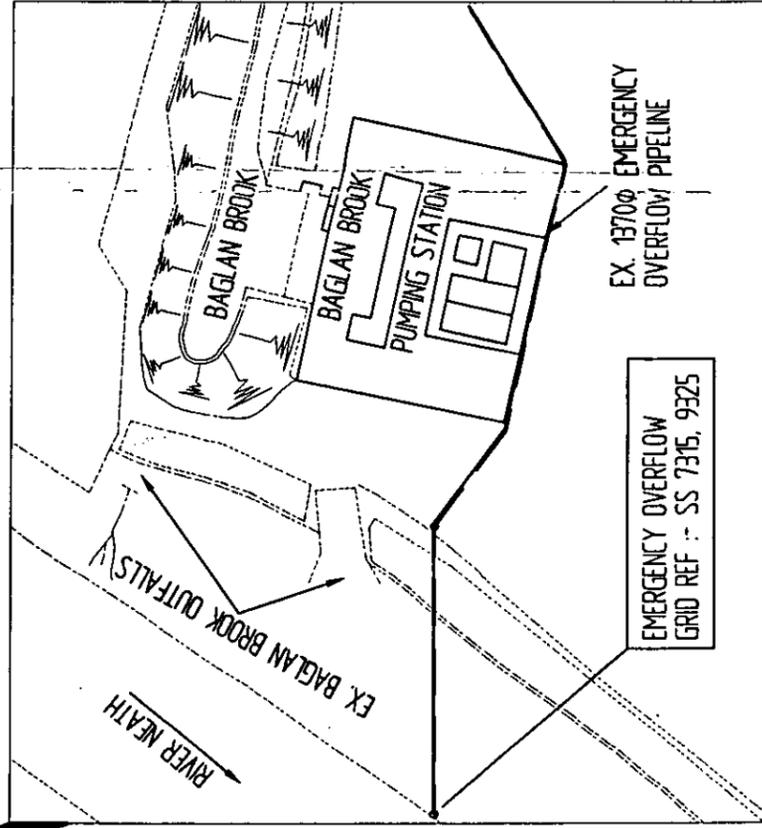
- 1200mm BAGLAN SEA OUTFALL
- SEAWARD END OF OUTFALL PIPE  
GRID REF :- SS 7024, 8811

**OUTFALL LOCATION PLAN** SCALE 1 : 20,000



**BAGLAN PUMPING STATION PLAN** SCALE 1 : 1000

**ANNEX 1**



**BAGLAN EMERGENCY OVERFLOW INTO RIVER NEATH** SCALE 1 : 1000

B AMENDMENTS TO CO-ORDINATES P. 15/16/17/18/19/20		DATE	BY	DATE	BY
A DISCHARGE CONSENT		04/02/01	JUN	02/02/00	FEB 00
Issue	Description	Auth	Doc No	Issue	Date
Client DWR CYMRU CYFYNGEDIG SOUTH WESTERN DIVISION					
Project AFAN W.W.T.W.					
Title CONSENT APPLICATION FOR OUTFALL DISCHARGES					
Scale A3		Scale		LOCAL	
AS SHOWN		AS SHOWN		LOCAL	
Hyder		HOGES CONSULTING Planning & Design 207-209 SAP 94W The Mall Cardiff CF10 1AT Tel: +44 (0)1792 771168 Fax: +44 (0)1792 701808		Issue	
Project Code SH00220		Drawing No. 536		Issue B	