

CONSENT NO.	BP0287701
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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:

Sewage in an Emergency

FROM: Afan Waste Water Treatment Works

AT: Phoenix Wharf, Harbour Road, Port Talbot

TO: Swansea Bay

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

Sewage in an Emergency BP0287701 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, 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.....*N. Reynolds*.....
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



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SCHEDULE NO.	BP0287701 01
DATE ISSUED	1st December 2000



**ASiantaeth Yr
Amgylchedd Cymru
Environment
Agency Wales**

CONDITIONS OF CONSENT TO DISCHARGE

Sewage in an Emergency ("the Discharge")

FROM: Afan Waste Water Treatment Works

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 1200 millimetre diameter pipe;
 - (b) discharging to Swansea Bay ;
 - (c) at National Grid Reference SS7598 8729;
 - (d) shown marked 'Afan Emergency Overflow & Sample Point' on Plan BP0287701 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 SS7598 8729, as shown marked 'Afan Emergency Overflow & Sample Point' on Plan BP0287701 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 4200 m³, equivalent to a total of at least 1.99 hours of the dry weather flow in the sewer immediately upstream of the pumping station, shall be provided by start of commissioning of the station 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 a significant quantity of solid matter having a size greater than 6 millimetres in more than one dimension.
 - (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.
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 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.



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OTHER

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.
10. A duplicate electrical supply shall be provided by start of commissioning of the station and maintained for use in the event of failure of the normal electricity supply.
11. The duty pump(s) shall be maintained in good working order, and at least one stand by pump shall be provided and maintained.
12. 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.
13. A tanker access facility at an appropriate location shall be provided and maintained to enable removal of sewage by tanker
14. An external pumping equipment facility shall be provided and maintained for use in the event of installed pumps being inoperative





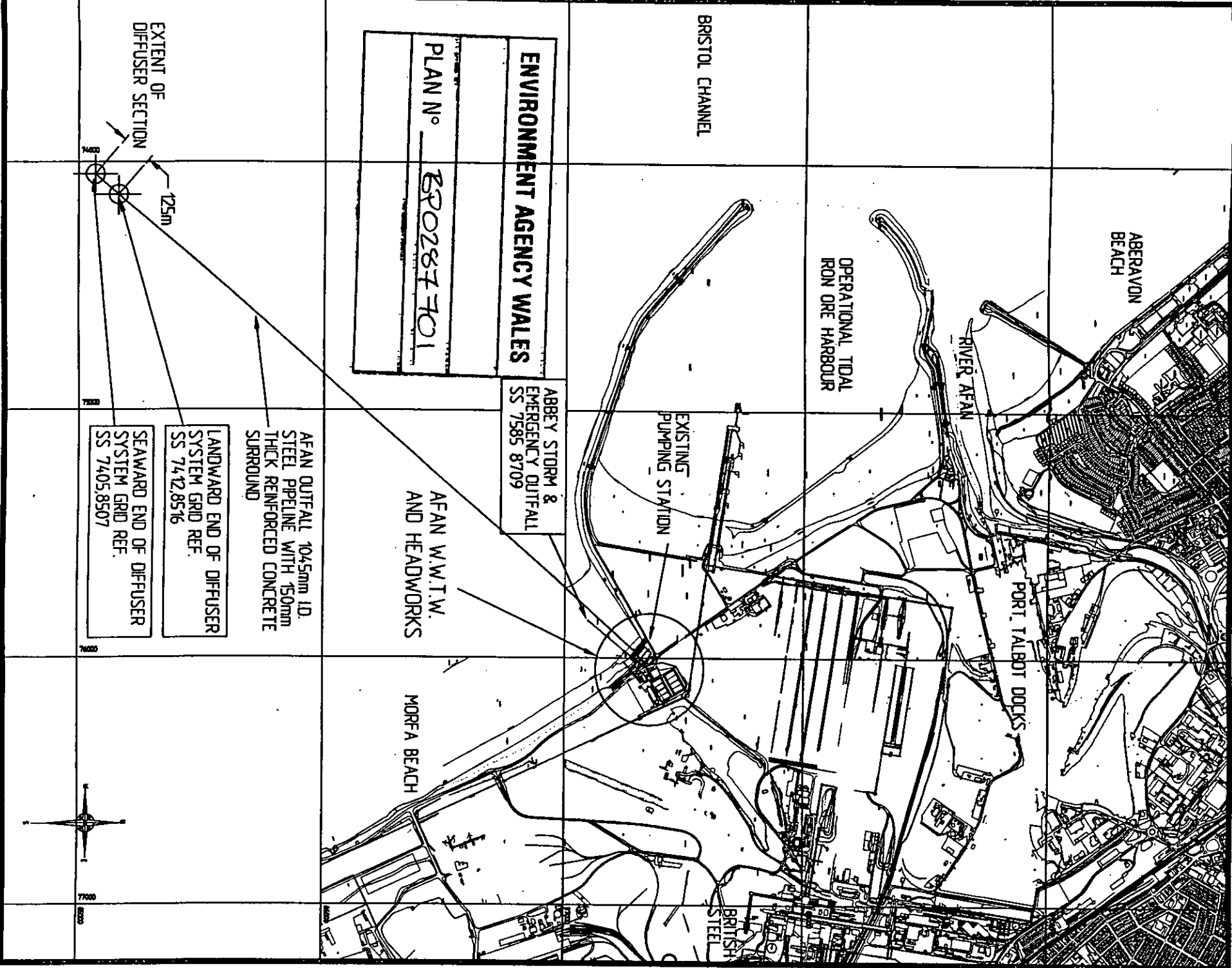
ANNEX 2

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
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.

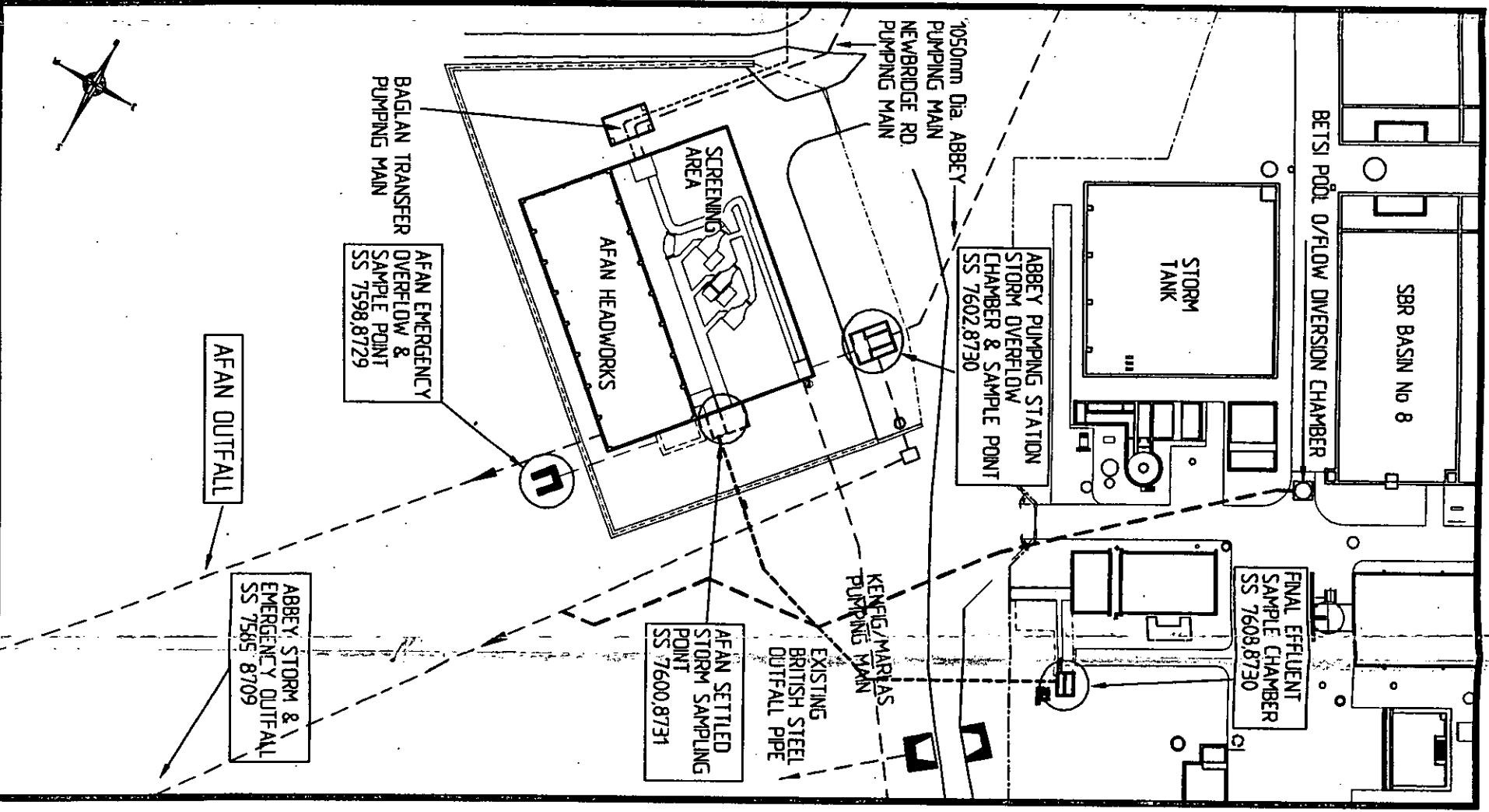
*Notification to the Agency by the Consent holder is only required in respect of changes to trade effluents likely to cause significant changes to the pH value, and/or iron or boron concentrations, of the crude sewage.





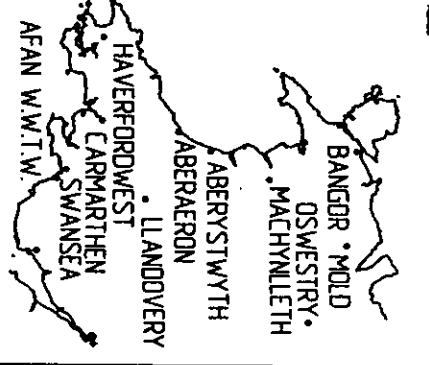
OUTFALL LOCATION PLAN

SCALE 1:20000



WORKS LOCATION PLAN

SCALE 1:10000



LOCATION PLAN
ANNEX 1

Project Code		Drawing No.		Issue	
SH00220		531		B	
Hyder HYDER CONSULTANTS 100-102, THE BRISTOL BUILDING 100-102, THE BRISTOL BUILDING 100-102, THE BRISTOL BUILDING 100-102, THE BRISTOL BUILDING					
AFAN W.W.T.W. DWR CYMRU CYFNGEIDIG SOUTH WESTERN DIVISION					
OUTFALL AND WORKS LOCATION PLANS FOR DISCHARGE CONSENT APPLICATION					
Scale 1:3 AS SHOWN LOCAL					
8 STORM OUTFALL NOTE ADDED TO CASE OUTFALL LOCATION PLAN A DISCHARGE CONSENT Date 26.11.99					