

NATIONAL RIVERS AUTHORITY WATER RESOURCES ACT 1991



Application for consent to discharge
Schedule 10

The Consents Officer,
National Rivers Authority,
Welsh Region,
Plas-yr-Afon Rivers House,
St Mellons Business Park,
Cardiff,
CF3 9ET

Official Use Only	South West
Dist/Area Ref.	BP02S0802
Application No.	BP02S0802
Date Received:	21/8/94

PLEASE REFER TO THE ATTACHED NOTES WHEN COMPLETING THE APPLICATION

I/We hereby apply for consent under the provisions of the Water Resources Act 1991 to make a discharge of effluent as described in this application and on the attached plan(s). I/We will bear the costs of any advertisement (see note 1).

I/We enclose a cheque for £ _____ to cover the cost of this application (see note 2).

Signed Date

Authorised on behalf of

Have you made, or do you intend to make, an application to the Secretary of State for exemption from publicity? (See note 3.) YES/NO*

Has this application been made in response to the service of a relevant prohibition? YES/NO*

If yes please give reference number:

<p>1a Full name and postal address of applicant. (See note 4.)</p> <p>Post Code:</p> <p>Daytime telephone number:</p>	<p>DWR CYMRU - WELSH WATER FFYNNON MENTER PHOENIX WAY ENTERPRISE PARK LLANSAMLET SWANSEA SA7 9HW LEWIS KEIL 0792 312511 OR HILARY FORD 0792 312408</p>
<p>1b Agent (if any) Full name and postal address</p> <p>Contact name and daytime telephone number</p>	<p>Note: if this box is completed, all correspondence will be sent to this address.</p>

NOTE: The application should be accompanied by 3 copies of an adequate plan and details of any environmental impact assessment. Failure to do so may result in a delay in processing the application. (See note 5.)

*Delete as necessary

<p>2(a) Address or other sufficient description of land or premises to which this application relates.</p>	<p>PEMBROKE DOCK STW FORT ROAD PEMBROKE DOCK DYFED</p>																				
<p>2(b) National Grid Reference of point of discharge.</p>	<p>SM 9545 0425</p>																				
<p>3(a) District Council area.</p>	<p>SOUTH PEMBROKESHIRE</p>																				
<p>3 State the nature of the discharge. Tick one or more boxes as appropriate. (See note 6.)</p>	<p>Sewage effluent <input type="checkbox"/> Storm/emergency sewage effluent <input checked="" type="checkbox"/> Trade effluent <input type="checkbox"/> Any other matter (inc. surface water). <input type="checkbox"/></p>																				
<p>4 For sewage and trade effluent, and storm/emergency discharges, state:-</p> <p>(a) Maximum quantity it is proposed to discharge in one day. (See note 7.)</p> <p>(b) Highest rate at which it is proposed to operate the discharge.</p> <p>(c) Periods during which the discharge will take place.</p>	<p>34646 m³/day</p> <p>40 l/sec</p>																				
<p>5 For rainfall dependent discharges, state the area to be drained. (Roof areas and other impervious areas should be separately identified.)</p>	<p>m</p>																				
<p>6 Receiving medium</p> <p>Tick the category to which the proposed discharge(s) are to be made.</p> <table border="0"> <tr> <td>TIDAL RIVER OR STREAM</td> <td><input checked="" type="checkbox"/></td> <td>ONTO LAND</td> <td><input type="checkbox"/></td> </tr> <tr> <td>NON-TIDAL RIVER OR STREAM</td> <td><input type="checkbox"/></td> <td>DIRECTLY INTO GROUNDWATER</td> <td><input type="checkbox"/></td> </tr> <tr> <td>CANAL</td> <td><input type="checkbox"/></td> <td>INTO LAND AND WATERCOURSE</td> <td><input type="checkbox"/></td> </tr> <tr> <td>LAKE, LOCH OR POND</td> <td><input type="checkbox"/></td> <td>COASTAL WATER (see Note 8.)</td> <td><input type="checkbox"/></td> </tr> <tr> <td>INTO LAND (not discharging to a river or stream)</td> <td><input type="checkbox"/></td> <td></td> <td></td> </tr> </table> <p>State name of watercourse, if known:-</p> <p>MILFORD HAVEN WATERWAY</p>		TIDAL RIVER OR STREAM	<input checked="" type="checkbox"/>	ONTO LAND	<input type="checkbox"/>	NON-TIDAL RIVER OR STREAM	<input type="checkbox"/>	DIRECTLY INTO GROUNDWATER	<input type="checkbox"/>	CANAL	<input type="checkbox"/>	INTO LAND AND WATERCOURSE	<input type="checkbox"/>	LAKE, LOCH OR POND	<input type="checkbox"/>	COASTAL WATER (see Note 8.)	<input type="checkbox"/>	INTO LAND (not discharging to a river or stream)	<input type="checkbox"/>		
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The Authority will normally require adequate provision for the taking of samples of the discharge. Please indicate the means proposed. (See note 9.)

At the outlet At a manhole or See plan Other
 sampling chamber

If other, please give further details:

8. Indicate proposed means of discharge:-

- | | | |
|---|--|---|
| 1. Pipe <input checked="" type="checkbox"/> | 2. Channel <input type="checkbox"/> | 3. Borehole <input type="checkbox"/> |
| 4. Soakaway <input type="checkbox"/> | 5. Well <input type="checkbox"/> | 6. Sub-irrigation system <input type="checkbox"/> |
| 7. Culvert <input type="checkbox"/> | 8. Soakaway & sub-irrigation system <input type="checkbox"/> | 9. Other <input type="checkbox"/> |

If 9 please give further details:-

<p>9. Give details as appropriate</p> <p>a) For pipes, channels, wells and boreholes, state diameter in millimetres or dimension(s) in metres.</p> <p>b) For sub-irrigation systems, soakaway pits, wells and boreholes, state depth in metres and geological stratum, if known.</p> <p>c) For boreholes, state details of lining:</p> <p>Type of lining : metres</p> <p>Depth of lining : metres</p> <p>Depth of perforated lining : metres</p> <p>Depth of unperforated lining : metres</p>	<p>a) 762 mm x 305 mm (30" x 12")</p> <p>b)</p> <p>c)</p>
<p>10. Is there a foul sewer available to which the discharge could be made?</p> <p>If yes give reason for not connecting.</p> <p>Distance from nearest foul sewer.</p>	<p>YES/NO*</p> <p>:</p> <p>:</p>
<p>11. Give brief details of:</p> <p>a) Source of water supply (eg mains, well, borehole, etc.)</p> <p>b) General purpose for which water is used (eg domestic, cooling, etc.)</p>	<p>a)</p> <p>b)</p>

*Delete as necessary

12. Is consent required for a limited period? If yes give relevant dates	YES /NO*																				
13. On what date do you anticipate the discharge will begin to be made?	MARCH 1995																				
14. Does this proposal replace an existing discharge? If yes give details	YES /NO*																				
15. Are there any existing consents for discharge from the premises? (see note 10.) If yes, give details, numbers, if known.	YES/ NO * PRE 1951 DISCHARGE CONSENT STATUS UNKNOWN																				
16. Please give details of the premises – tick as appropriate:– <table border="0" style="width: 100%;"> <tr> <td>1. Single dwelling</td><td><input type="checkbox"/></td> <td>2. Multiple dwellings</td><td><input type="checkbox"/></td> </tr> <tr> <td>3. Licenced premises</td><td><input type="checkbox"/></td> <td>4. Vehicle parking area</td><td><input type="checkbox"/></td> </tr> <tr> <td>5. Industrial premises</td><td><input type="checkbox"/></td> <td>6. Fish farm</td><td><input type="checkbox"/></td> </tr> <tr> <td>7. Mineral workings</td><td><input type="checkbox"/></td> <td>8. WSPLC STW</td><td><input checked="" type="checkbox"/></td> </tr> <tr> <td>9. Water supply</td><td><input type="checkbox"/></td> <td>10. Other</td><td><input type="checkbox"/></td> </tr> </table> If other, please give further details.		1. Single dwelling	<input type="checkbox"/>	2. Multiple dwellings	<input type="checkbox"/>	3. Licenced premises	<input type="checkbox"/>	4. Vehicle parking area	<input type="checkbox"/>	5. Industrial premises	<input type="checkbox"/>	6. Fish farm	<input type="checkbox"/>	7. Mineral workings	<input type="checkbox"/>	8. WSPLC STW	<input checked="" type="checkbox"/>	9. Water supply	<input type="checkbox"/>	10. Other	<input type="checkbox"/>
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17. IN THE CASE OF SUB-IRRIGATION SYSTEMS AND SOAKAWAYS																					
a. Is any part of the system within 10 metres of the site boundary?	YES/NO*																				
b. Is any part of the system within 10 metres of a watercourse?	YES/NO*																				
c. Is the land in which the disposal system is to be constructed under-drained with land drains discharging to a watercourse or to be so under-drained?	YES/NO*																				
d. If the answer to either (b) or (c) is "YES" please state the name of the watercourse or sufficient information to identify it.	:																				
e. Attach details of the percolation test carried out.	Attached																				
18. FOR SEWAGE TREATMENT PLANTS																					
a. State the population served/population equivalent/estimated population*	*All year EXISTING 16 000 *Summer *Winter FUTURE 22 400																				
b. Give details of the treatment plant to be used (see note 11.)																					

*Delete as necessary

FOR TRADE EFFLUENT AND SEWAGE DISCHARGES
CONTAINING TRADE EFFLUENT

11. a) Describe the trade effluent and the processes from which it arises. (See note 12.)

4 CONSENTED LAUNDRETTES

10% PG ALLOWED FOR TRADE FLOWS

b) Maximum temperature of the effluent as discharged°C

c) Does the effluent contain any of the following? *YES/NO

If yes, underline those present and give full details (including maximum, minimum and mean values) separately.

- | | |
|--|--|
| 1. Aldrin, dieldrin, endrin and isodrin | 25. Iron |
| 2. Arsenic | 26. Lead |
| 3. Atrazine | 27. Malathion |
| 4. Azinphos-ethyl | 28. Mercury and its compounds |
| 5. Azinphos-methyl | 29. Nickel |
| 6. Boron | 30. Parathion |
| 7. Cadmium and its compound | 31. Parathion-methyl |
| 8. Carbon tetrachloride | 32. PCSD's |
| 9. Chloroform | 33. Pentachlorophenol (PCP) |
| 10. Chromium | 34. Perchloroethylene |
| 11. Copper | 35. Permethrin |
| 12. Cyanide | 36. pH if outside the range 5.5 to 9.0 |
| 13. Cyfluthrin | 37. Polychlorinated biphenyls |
| 14. DDT | 38. Simazine |
| 15. 1, 2-Dichloroethane | 39. Sulcofuron |
| 16. Dichlorvos | 40. Tetrachloroethylene |
| 17. Dioxins | 41. Tributyltin compounds |
| 18. Endosulfan | 42. Trichlorobenzene |
| 19. Fenitrothion | 43. Trichloroethane |
| 20. Fenthion | 44. Trichloroethylene |
| 21. Flucifuron | 45. Trifluralin |
| 22. Hexachlorobenzene (HCB) | 46. Triphenyltin compounds |
| 23. Hexachlorobutadiene (HCBD) | 47. Vanadium |
| 24. Hexachlorocyclohexane
(lindane and related compounds) | 48. Zinc |

d) Give full details of any other significant chemical components contained in the effluent:-

22 FOR STORM AND EMERGENCY DISCHARGES AND SURFACE WATER SEWERS

State the type of discharge. Tick one or more boxes as appropriate.

- Storm tanks Answer all except 23 & 26
- Storm overflow from sewer Answer all except 23 & 26
- Storm overflow from pumping station Answer all sections below
- Emergency overflow from sewer Answer 20a, 21, 25, 27, 28
- Emergency overflow from pumping station Answer all except 20b, 22
- Surface Water Answer 25, 27
- Other Answer as appropriate

If other, please give further details:- **STORM TUNNEL ON SEWER**

<p>21 State dry weather flow to pumping station/in sewer</p> <p>State flow at which storm discharge will commence</p>	<p style="text-align: right;">6630 m³/day</p> <p style="text-align: right;">210 l/sec</p> <p>AFTER STORAGE TUNNEL FILLS</p>
<p>22 Expected frequency of operation</p>	<p style="text-align: right;">NOT GREATER THAN 3 per annum</p>
<p>23 State volume of storm tank(s).</p>	<p style="text-align: center;">STORAGE TUNNEL</p> <p style="text-align: right;">2973 m³</p>
<p>24 State volume of wet well.</p>	<p style="text-align: right;">235 m³</p>
<p>25 What provisions have been made to raise alarms? (eg telemetry)</p>	<p style="text-align: center;">TELEMETRY</p>
<p>26 What facilities have been provided to prevent the discharge of gross solids? (For screens, give bar spacing or aperture.)</p>	<p style="text-align: center;">SUBO SCREENS 2 No. 2.5 mm SLOTS</p>
<p>27 What provisions have been included to deal with</p> <p>a) power failure?</p> <p>b) mechanical breakdown?</p> <p>c) rising main failure?</p>	
<p>28 What facilities have been provided for flow measurements?</p>	<p style="text-align: center;">FLOW MEASUREMENT WILL BE PROVIDED ON SITE FOR BOTH FOUL AND STORM LINES</p>
<p>29 Are there any other factors to be taken into account?</p>	

Water Resources Act 1991
as amended by the Environment Act 1995
Consent to Discharge
Certificate of Holder



**ENVIRONMENT
AGENCY**

Part A

To: DWR CYMRU CYFYNGEDIG
CONSENTS REGULATION OFFICER
PLAS-Y-FFYNNON
CAMBRIAN WAY
BRECON LD3 7HP

The Environment Agency ("the Agency") hereby confirm that the above named person is a/the registered holder of consent BP0250802

Nature of Discharge(s); SEWAGE EFF/STORM EFF/RAINFALL
at PEMBROKE DOCK STW (STORM)

Note: This certificate should be kept with the consent document for future reference. If you transfer responsibility for the discharge to somebody else you must pass the consent to them and tell the Agency within 21 days. **Responsibility for the consent cannot be disclaimed by the holder but the registration of holder may be transferred to a successor.** To do this please complete the form below, then tear it off and return it to the address shown. If you fail to transfer the consent, even though you are no longer on the site, you may still be liable for prosecution for pollution. If you transfer the consent but do not tell us, you will be committing an offence. In case of any queries please contact your local Environment Agency office.

Part B Please complete in block capitals or type.

To:

Water Resources Act 1991: Notice of transfer of consent to discharge

Consent: Name:
Address:

I/We* hereby serve notice on the Agency that I/we* am/are* no longer a/the* Holder of the above consent which will be/was* transferred to:

* delete as appropriate

Name(s) of new holder(s):
Address:

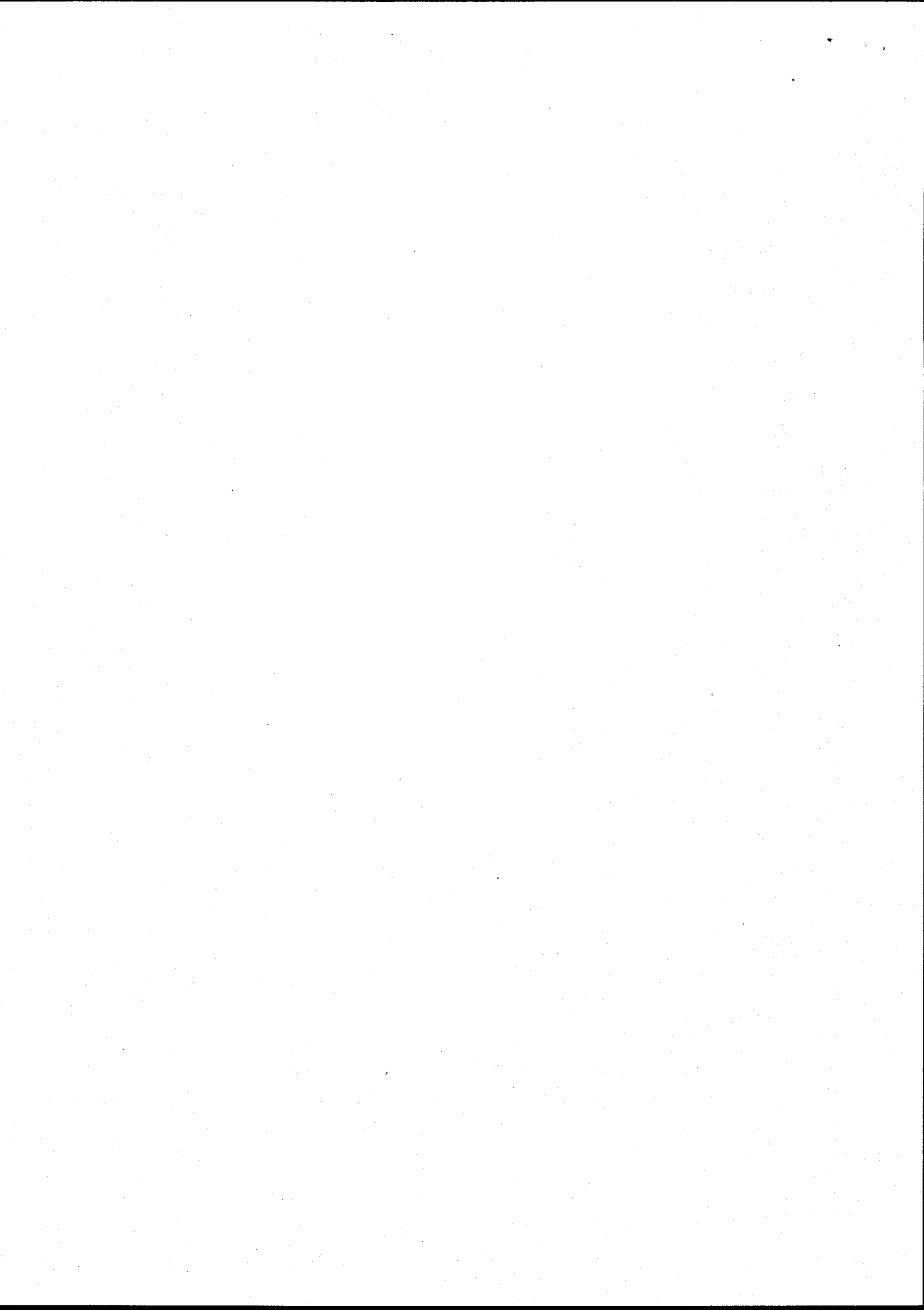
Post Code:

Date of Transfer to new Holder(s);

Signed:..... Dated:.....

Name (block capitals): Position:.....





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

C O N S E N T

Page 1 of 2

To : Dwr Cymru Cyfyngedig
 Of : Plas y Ffynnon, Cambrian Way, Brecon, Powys LD3 7HP
 For : a discharge of sewage effluent
 To : Milford Haven Waterway
 From : Pembroke Dock STW, Fort Road, Pembroke Dock, Dyfed

This Consent shall not be taken as providing a statutory defence against a charge of pollution in respect of any poisonous, noxious or polluting constituents not specified herein.

CONDITIONS OF CONSENT

1. The discharge shall consist solely of storm sewage.
2. The discharge shall be made from two outfalls (diameters 762mm & 305mm) at National Grid Reference SM 9545 0425 into the Milford Haven waterway as shown marked A on drawing no. FL 400.NRA2.
3. The discharge shall occur when, and only for as long as, the storm sewage storage facility is fully utilised and the rate of flow at the storm sewage separating weir is in excess of 210 litres per second due to rainfall and/or snow melt and shall consist only of flows in excess of this figure. The storm sewage storage facility shall be emptied and its contents returned to the main flow as soon as practicable after cessation of the overflow.
4. The discharge shall not:
 - (a) contain a significant quantity of solid matter having a size greater than 2.5 millimetres in one dimension.
 - (b) be comminuted or macerated to achieve the standard in (a).


Continued/..

WATER RESOURCES ACT 1991
Continuation Sheet

Consent No. BP0250802

page 2 of 2

5. A storm sewage storage facility of 2973 cubic metres design capacity shall be provided and fully utilised prior to a discharge being made.
6. A system to record the frequency of overflow events shall be installed and records, as agreed in writing with the Authority, made available at all reasonable times.
7. The conditions to which this Consent is subject shall take effect from 31st March 1995, or from the date of commissioning of the works which ever is the earlier, unless otherwise agreed in writing with NRA. The discharger shall give the Authority at least 28 days written notice before commissioning the discharge facility.

This Consent is given on: 18th November 1994 on behalf of the Authority
by:  Area Environmental Quality Manager

During the period ending with the 17th November 1996 the terms of this
Consent will not be altered without the written agreement of the person
making the discharge.