

FORMAL

REYNOLDSTON STW

STORM TANK DISCHARGE

NATIONAL RIVERS AUTHORITY WATER RESOURCES ACT 1991



NRA

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 0LT

Official Use Only
Dist/Area Ref. *South West.*

Application No. *BP023200*

Date Received:
25-8-93

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 *[Signature]* Date *20.8.93*

Authorised on behalf of *DWR CYMRU CYF*

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: Daytime telephone number:</p>	<p><i>DWR CYMRU - WELSH WATER</i> <i>PLAS Y FFYNNON</i> <i>CAMBRIAN WAY</i> <i>BRECON</i> <i>POWYS</i></p> <p><i>LD3 7HP</i> <i>0874 623181</i></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>2a) Address or other sufficient description of land or premises to which this application relates.</p>	<p>REYNOLDSTON STW REYNOLDSTON GOWER (132830)</p>																				
<p>2b) National Grid Reference of point of discharge.</p>	<p><input type="text" value="S5"/> <input type="text" value="4671"/> <input type="text" value="9088"/></p>																				
<p>2c) District Council area.</p>	<p>SWANSEA CITY COUNCIL</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>600 m³/day 6.9 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>m²</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 type="checkbox"/></td> <td>INTO LAND</td> <td><input type="checkbox"/></td> </tr> <tr> <td>NON-TIDAL RIVER OR STREAM</td> <td><input checked="" type="checkbox"/></td> <td>ONTO LAND</td> <td><input type="checkbox"/></td> </tr> <tr> <td>CANAL</td> <td><input type="checkbox"/></td> <td>DIRECTLY INTO GROUNDWATER</td> <td><input type="checkbox"/></td> </tr> <tr> <td>LAKE, LOCH OR POND</td> <td><input type="checkbox"/></td> <td>INTO LAND AND WATERCOURSE</td> <td><input type="checkbox"/></td> </tr> <tr> <td>(not discharging to a river or stream)</td> <td></td> <td>COASTAL WATER (see Note 8.)</td> <td><input type="checkbox"/></td> </tr> </table> <p>State name of watercourse, if known:- BURRY STREAM</p>		TIDAL RIVER OR STREAM	<input type="checkbox"/>	INTO LAND	<input type="checkbox"/>	NON-TIDAL RIVER OR STREAM	<input checked="" type="checkbox"/>	ONTO LAND	<input type="checkbox"/>	CANAL	<input type="checkbox"/>	DIRECTLY INTO GROUNDWATER	<input type="checkbox"/>	LAKE, LOCH OR POND	<input type="checkbox"/>	INTO LAND AND WATERCOURSE	<input type="checkbox"/>	(not discharging to a river or stream)		COASTAL WATER (see Note 8.)	<input type="checkbox"/>
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7 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 sampling chamber See plan Other

If other, please give further details:-

8 Indicate proposed means of discharge:-

1. Pipe 2. Channel 3. Borehole
 4. Soakaway 5. Well 6. Sub-irrigation system
 7. Culvert 8. Soakaway & sub-irrigation system 9. Other

If 9 please give further details:-

9 Give details as appropriate

a) For pipes, channels, wells and boreholes, state diameter in millimetres or dimension(s) in metres.

a) 200 mm ϕ

b) For sub-irrigation systems, soakaway pits, wells and boreholes, state depth in metres and geological stratum, if known.

b)

c) For boreholes, state details of lining:

c)

Type of lining

: metres

Depth of lining

: metres

Depth of perforated lining

: metres

Depth of unperforated lining

: metres

10 Is there a foul sewer available to which the discharge could be made?

YES/NO*

If yes give reason for not connecting.

:

Distance from nearest foul sewer.

:

11 Give brief details of:

a) Source of water supply (eg mains, well, borehole, etc.)

a)

b) General purpose for which water is used (eg domestic, cooling, etc.)

b)

<p>12 Is consent required for a limited period? If yes give relevant dates</p>	<p>YES/NO* :</p>																				
<p>13 On what date do you anticipate the discharge will begin to be made?</p>	<p>1/9/93</p>																				
<p>14 Does this proposal replace an existing discharge? If yes give details</p>	<p>YES/NO* CHANGE TO FLOW REGIME :</p>																				
<p>15 Are there any existing consents for discharge from the premises? (see note 10.) If yes, give details, numbers, if known.</p>	<p>YES/NO* BC0002501 FINAL EFFLUENT : BW 4108501 PS SSO</p>																				
<p>16 Please give details of the premises – tick as appropriate:–</p> <table border="0"> <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> <p>If other, please give further details.</p>		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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<p>17 IN THE CASE OF SUB-IRRIGATION SYSTEMS AND SOAKAWAYS</p>																					
<p>a) Is any part of the system within 10 metres of the site boundary? b) Is any part of the system within 10 metres of a watercourse? 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? 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.</p>	<p>YES/NO* YES/NO* YES/NO* Attached</p>																				
<p>18 FOR SEWAGE TREATMENT PLANTS</p>																					
<p>a) State the population served/population equivalent/estimated population* b) Give details of the treatment plant to be used (see note 11.)</p>	<p>*All year 900 DESIGN. *Summer ACTUAL 781 *Winter</p>																				

*Delete as necessary

FOR TRADE EFFLUENT AND SEWAGE DISCHARGES
CONTAINING TRADE EFFLUENT

19 a) Describe the trade effluent and the process(es) from which it arises. (See note 12.)

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. Flucosfuron | 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:—

20 FOR STORM AND EMERGENCY DISCHARGES AND SURFACE WATER SEWERS

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

- | | | |
|---|-------------------------------------|----------------------------|
| Storm tanks | <input checked="" type="checkbox"/> | Answer all except 23 & 26 |
| Storm overflow from sewer | <input type="checkbox"/> | Answer all except 23 & 26 |
| Storm overflow from pumping station | <input type="checkbox"/> | Answer all sections below |
| Emergency overflow from sewer | <input type="checkbox"/> | Answer 20a, 21, 25, 27, 28 |
| Emergency overflow from pumping station | <input type="checkbox"/> | Answer all except 20b, 22 |
| Surface Water | <input type="checkbox"/> | Answer 25, 27 |
| Other | <input type="checkbox"/> | Answer as appropriate |

If other, please give further details:-

<p>21</p> <p>a) State dry weather flow to pumping station/in sewer</p> <p>b) State flow at which storm discharge will commence</p>	<p>:</p> <p>m^3/day</p> <p>:</p> <p>> 5.2 AFTER STORM TANKS ARE FULL l/sec</p>
<p>22 Expected frequency of operation</p>	<p>:</p> <p>$per\ annum$</p>
<p>23 State volume of storm tank(s).</p>	<p>:</p> <p>72 m^3</p>
<p>24 State volume of wet well</p>	<p>:</p> <p>m^3</p>
<p>25 What provisions have been made to raise alarms? (eg telemetry)</p>	<p>TO BE INSTALLED DURING 1993</p>
<p>26 What facilities have been provided to prevent the discharge of gross solids? (For screens, give bar spacing or aperture.)</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>GRAVITY SYSTEM</p>
<p>28 What facilities have been provided for flow measurements?</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 BP0232001

Nature of Discharge(s); SEWAGE EFF/STORM EFF/RAINFALL
at REYNOLDSTON STW, GOWER

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:

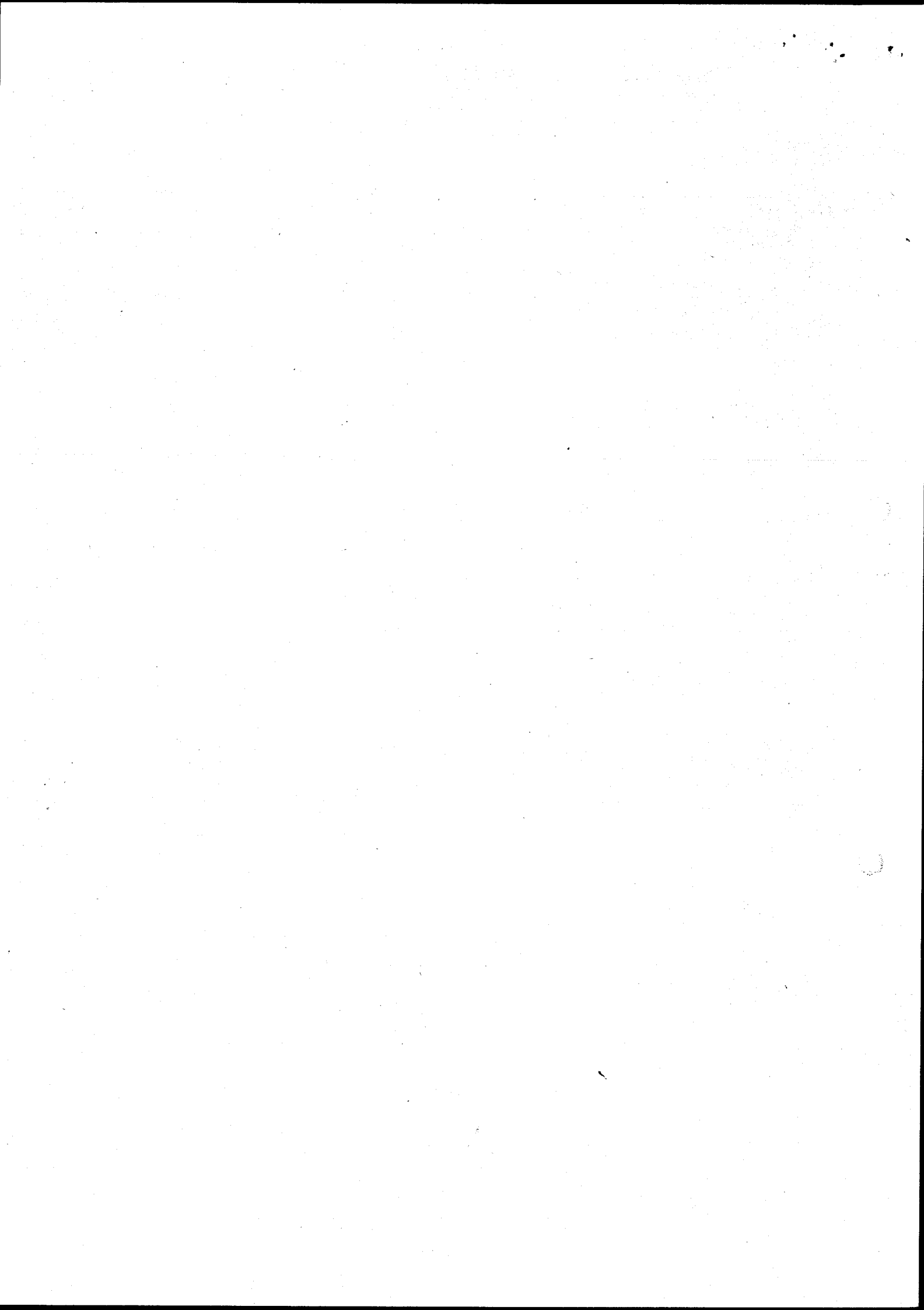
Post Code:

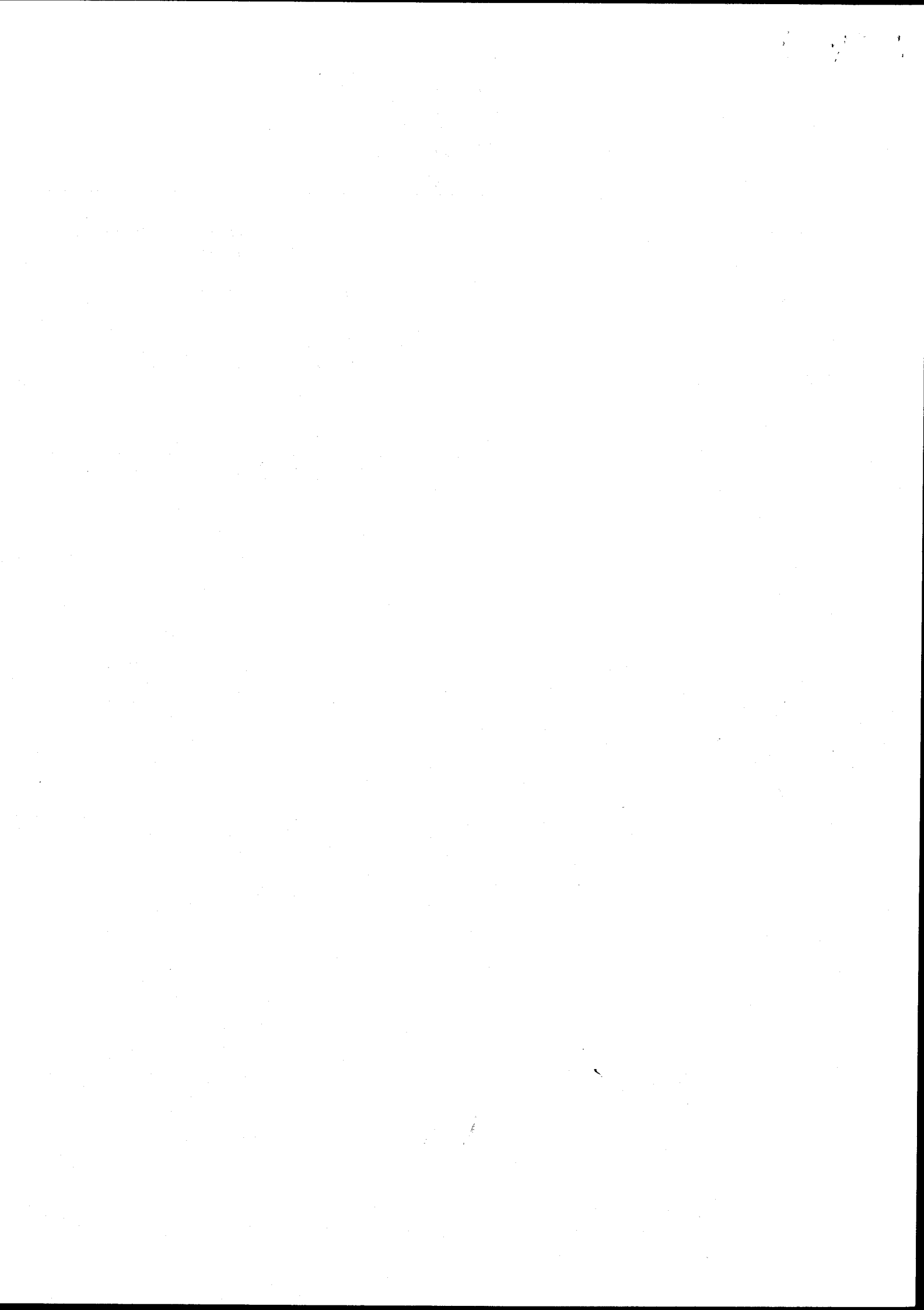
Date of Transfer to new Holder(s);

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

Name (block capitals):..... Position:.....
(to be completed when signing)









Awdurdod Afonydd Cenedlaethol
Rhanbarth Cymru



National Rivers Authority
Welsh Region

Consent No.	BP0232001
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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 : Dŵr Cymru Cyfyngedig
Of : Plas y Ffynnon, Cambrian Way, Brecon, Powys LD3 7HP
For : a discharge of storm sewage
To : Burry Pill
From: Reynoldston STW, Reynoldston, Gower

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 settled storm sewage.
2. The discharge shall be made in the manner and at the place specified as follows:

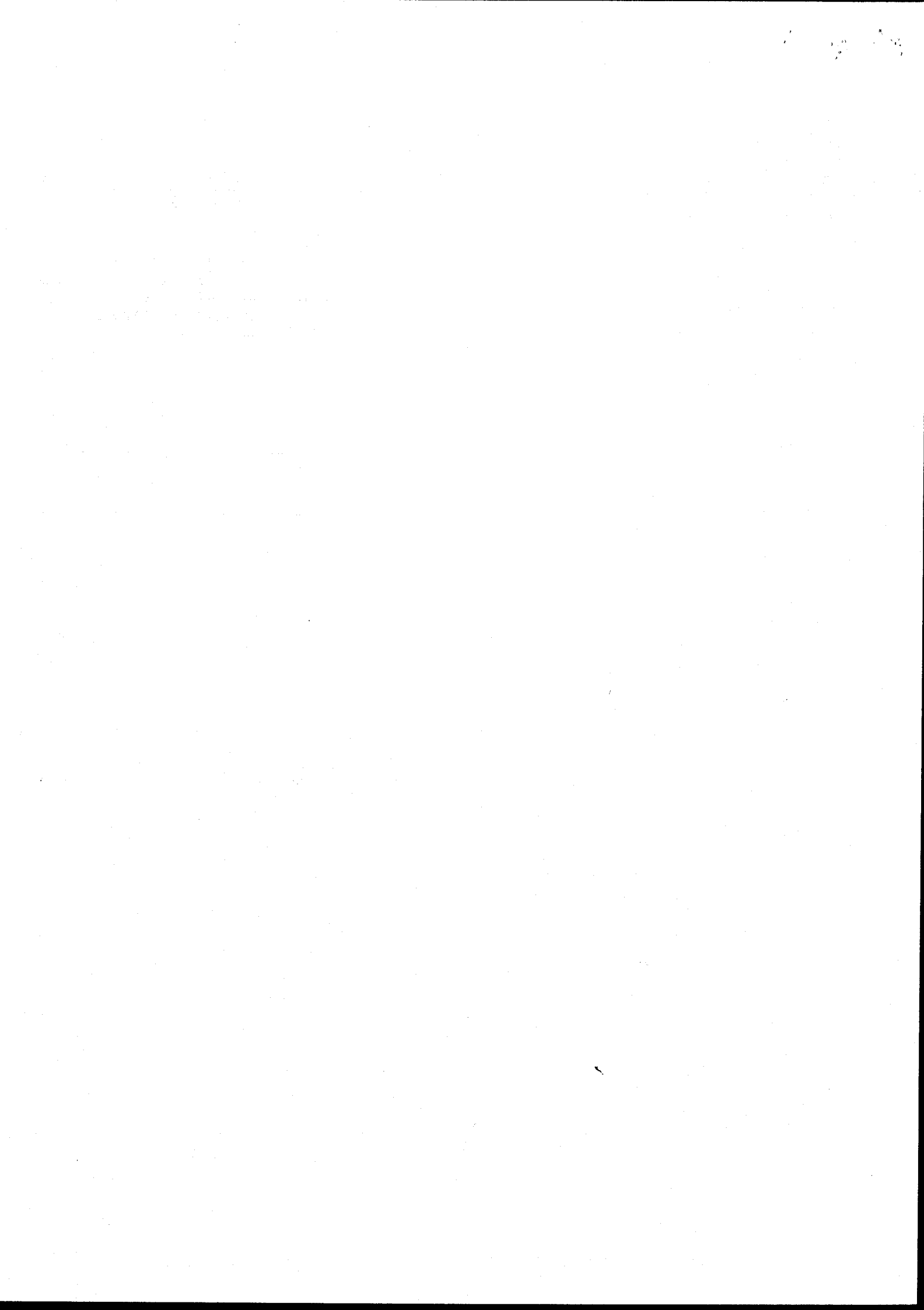
Discharging via : 200 mm diameter pipe
Discharging to : Burry Pill
At OS Grid Ref. : SS 4671 9088
As shown marked : "Consent Point X" on the attached drawing/plan number BP0232001

3. The discharge shall occur when and for as long as the storm tanks are full. The discharge to the storm tanks shall occur only when the rate of flow at the inlet sewer is in excess of 5.2 litres per second due to heavy or prolonged rainfall and/or thaw and shall consist only of flows in excess of this figure. The storm tanks shall be emptied and their contents returned for full treatment as soon as practicable after cessation of the overflow from the storm tanks.

Continued...

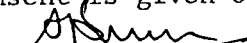
Dr JOHN STONER Rheolwr Cyffredinol Rhanbarthol / Regional General Manager

Glan Tawe, 154-156 Ffordd Sant Helen, Abertawe, Gorllewin Morgannwg, SA1 4DF. Ffôn: (0792) 645300, Ffacs: (0792) 648652
Glan Tawe, 154-156 St. Helens Road, Swansea, West Glamorgan, SA1 4DF. Tel: (0792) 645300, Fax: (0792) 648652

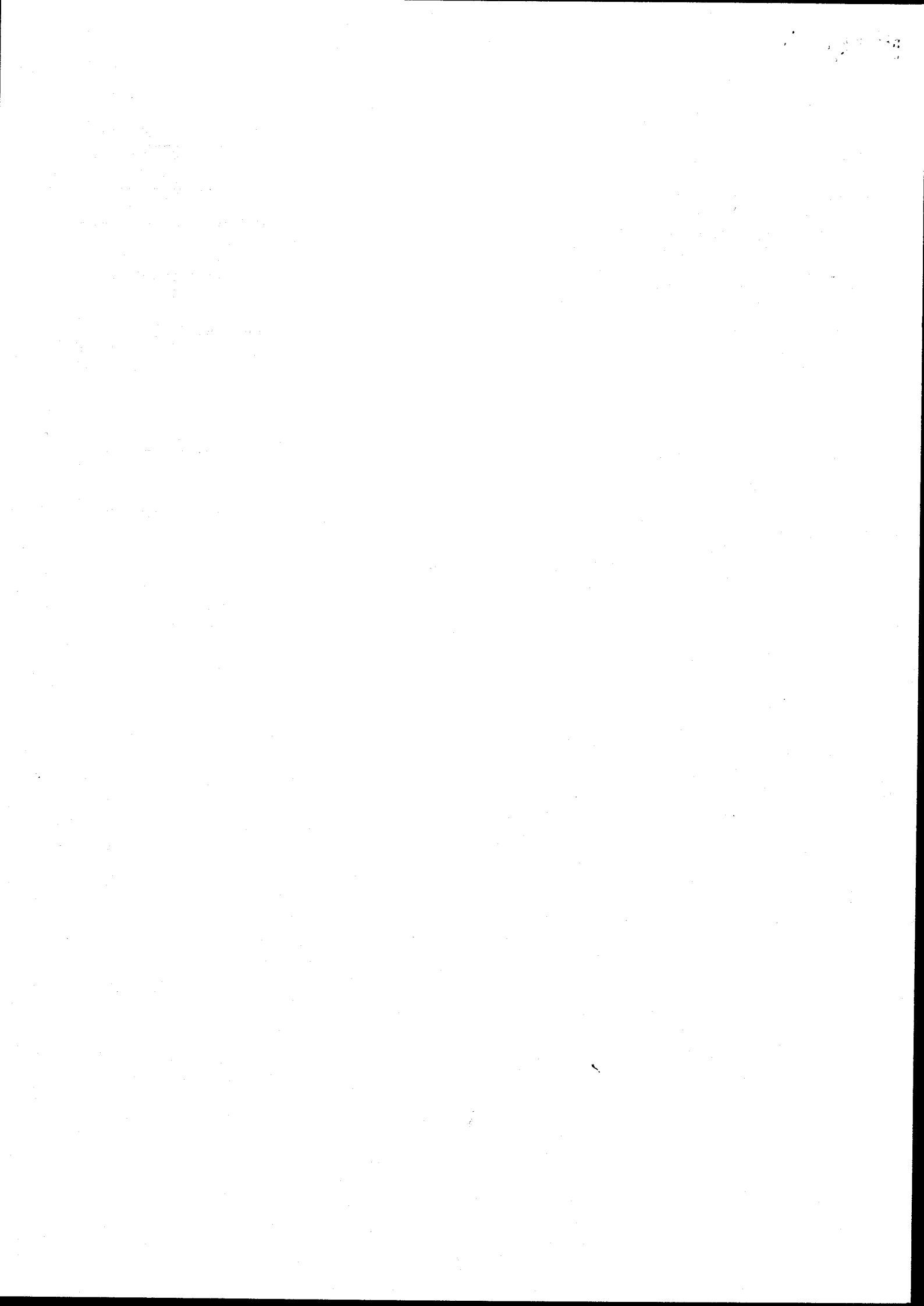


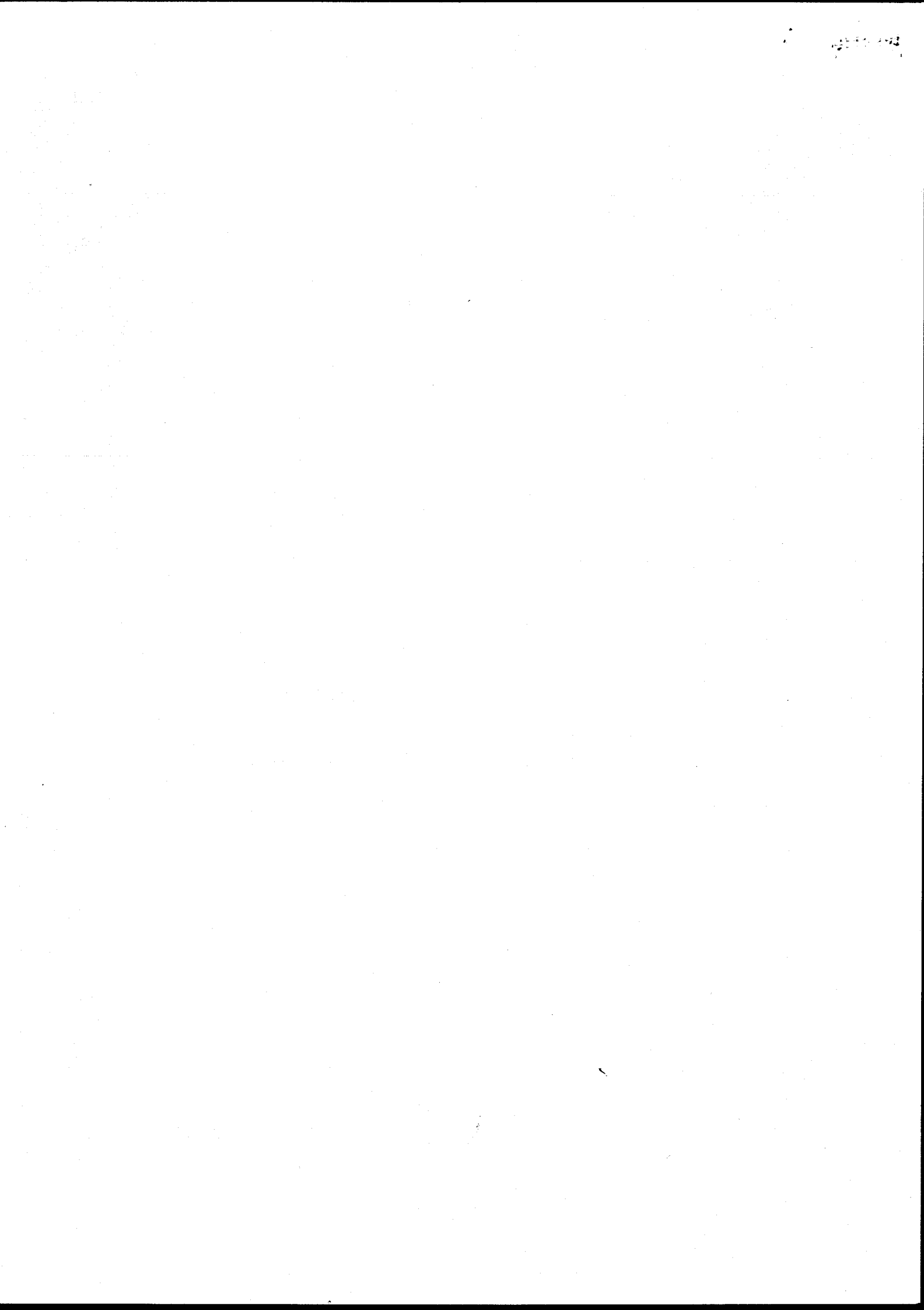
WATER RESOURCES ACT 1991
Continuation Sheet

3. The capacity of the storm tanks shall be at least 72 cubic metres and shall be fully utilised before any settled storm discharge occurs.
4. Scum boards shall be provided on the storm tanks and shall be regularly maintained.
5. Adequate facilities, approved in writing by the Authority, shall be provided to enable representative samples of the discharge to be safely and conveniently obtained at any time at the outlet as shown marked "Sampling Point" on the attached drawing/plan no. BP0232001.

This Consent is given on: *26th April 1994* on behalf of the Authority
by:  Area Environmental Quality Manager

During the period ending with the *30th April 1995* the terms of this
Consent will not be altered without the written agreement of the person
making the discharge.







ASiantaeth YR
AMGYLCHEDD CYMRU
ENVIRONMENT
AGENCY WALES

Ein cyf/Our ref. EA/LK
Eich cyf/Your ref.

Dyddiad/Date: 14 March 2005

Environment Quality Scientist
Dŵr Cymru Cyf
Pentwyn Road
Nelson
Treharris
CF46 6LY

Dear Sir/Madam

WATER RESOURCES ACT 1991, SCHEDULE 10 (As amended by the Environment Act 1995)

Further to your applications the Agency has decided that consents should be given subject to conditions. I enclose the Agency's formal consents to discharge sewage effluent from - please see attached sheets.

Under the present Scheme of Charges for Discharges to Controlled Waters an annual charge will be made for all consents to discharge, except where the discharge is of sewage effluent of five cubic metres or less per day. The charge is based on information derived from the conditions attached to the consent to discharge, as outlined in the enclosed leaflet.

If you consider that the conditions imposed by the consent are unreasonable you have a right of appeal to the National Assembly for Wales at Cathays Park, Cardiff CF10 3NQ.

Notice of an appeal must be given in writing within three months of this notification and must be accompanied by a statement of the grounds of appeal.

If granted, a consent under Schedule 10 of the Act, covers water quality considerations only. It does not alter the need to obtain any other consents or approvals which might be required in connection with your proposal under other legislation. For example it does not give any right or permission to discharge where land is not owned by the applicant.

Continued...

Asiantaeth yr Amgylchedd Cymru
Maes Newydd, Llandarsi, Nedd Port Talbot, SA10 6JQ
Ffon: 08708 506 506, Ffacs: 01792 325511

Environment Agency Wales
Maes Newydd, Llandarcy, Neath Port Talbot, SA10 6JQ
Tel: 08708 506 506, Fax: 01792 325511



If you have any queries regarding the enforcement of this consent, please do not hesitate to contact Stuart Thomas, Team Leader Regulatory Water Quality Consents, Environment Agency Wales, Maes Newydd, Llandarcy, Neath Port Talbot, SA10 6JQ.

Yours faithfully



LISA KNIGHT
Authorisations Officer

Direct dial 01792 325577
Direct fax 01792 325530

Enc.

Asiantaeth yr Amgylchedd Cymru
Maes Newydd, Llandarcy, Neath Port Talbot, SA10 6JQ
Ffon: 08708 506 506, Ffacs: 01792 325511

Environment Agency Wales
Maes Newydd, Llandarcy, Neath Port Talbot, SA10 6JQ
Tel: 08708 506 506, Fax: 01792 325511



ASiantaeth YR
AMGYLCHEDD
ENVIRONMENT
AGENCY

WATER RESOURCES ACT 1991 (schedule 10)

(as amended by the Environment Act 1995)

Application for ~~new consent~~/variation to an existing consent* to discharge
(* delete as appropriate)

<p>Regional/Area Address:</p> <p>The Regional Finance Manager Environment Agency Welsh Region PO Box 425 St Mellons Business Park CARDIFF CF3 0LT</p>	<p><i>Official Use Only</i> Dist/Area Ref: 1303</p> <p>Application No. BP023 2001</p> <p>Date Received: 19 November 2004</p> <p>Fee Received: £743.00</p>
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Each applicant must complete the main form and may need to complete a separate annexe if appropriate. Please look through the form and read the notes carefully before you complete it. Processing of your application will be aided by full and accurate completion of all relevant sections and provisions of the necessary plans. If you have any queries regarding the form please contact the person given in the notes.

NOTE:

All information contained within this application will be made available on the public register unless there is a request to withhold any of it. Any such request should provide a full justification stating why the information needs to be withheld (see note xiii).

1 SITE ADDRESS

1.1 Address or other sufficient description of land or premises to which this application applies.

Reynoldston WwTW
Reynoldston
Gower

Post Code:

SA3 1HN

2 DETAILS OF DISCHARGE(S)

2.1 State the nature of the discharge(s) (see note i and ii) - tick one or more boxes as appropriate:

- Sewage Effluent - volume of 5 cubic metres per day or less
- Sewage Effluent - volume greater than 5 cubic metres per day (**complete annexe 1**)
- Sewage Effluent discharged under storm or emergency conditions (**complete annexe 2**)
- Cooling Water (**complete annexe 3**)
- Trade Effluent (*including site drainage*) (**complete annexe 3**)
- Others (*please specify*)

2.2 Please state the maximum quantity it is proposed to discharge in any one day

Not known

Briefly state how this figure was calculated (see note ii).

Flows in excess of FFT (8.5/s) will pass over a weir and through a 6mm perforated plate screen and then gravitate to the storm tank. Overflow from the storm tank will gravitate directly to the brook. The contents of the storm tank will be returned to treatment when the flows to the works subside.

2.3 a) Indicate proposed means of discharge - tick as appropriate and show on plan: (for 1, 2 & 3 please state dimensions below)

- | | | |
|---|--------------------------------------|---|
| 1. Pipe <input checked="" type="checkbox"/> | 4. Borehole <input type="checkbox"/> | 7. Sub-Irrigation System <input type="checkbox"/> |
| 2. Channel <input type="checkbox"/> | 5. Well <input type="checkbox"/> | 8. Combination of 6 & 7 <input type="checkbox"/> |
| 3. Culvert <input type="checkbox"/> | 6. Soakaway <input type="checkbox"/> | 9. Other (<i>please specify below</i>) <input type="checkbox"/> |

200 mm

b) National Grid Reference(s) of point(s) of discharge (see note iii).

S	S	4	6	5	8	8	9	0	9	2	6
---	---	---	---	---	---	---	---	---	---	---	---

(please indicate on accompanying plans)

2.4 a) The Agency will normally require adequate provision for the taking of samples of the discharge in a safe and convenient manner at any time. Please indicate the means proposed (see note iv) - tick as appropriate and show on plan:

- At the outlet At a manhole or sampling chamber

Other (*please specify*)

b) National Grid Reference(s) of sampling point(s) (if different from 2.3 b) above).

--	--	--	--	--	--	--	--	--	--	--	--

(please indicate on accompanying plans)

c) What flow measurement facilities will be provided (see note v)?
Please give details.

n/a

2.5 a) Type of Treatment Plant(s) to be used (please specify make and model) - tick as appropriate:

Septic Tank Package Sewage Treatment Works Other

Storm overflow will be screened to 6mm in two dimensions and then passed through 2 storm tanks with 72m³ of volume before discharge to watercourse

b) Will the treatment process involve the use of any chemicals (eg ferric salts, polyelectrolytes). If yes please give details. NO

Not for storm discharge

2.6 a) On what date do you anticipate the discharge will commence?

b) If you require the consent for a limited time period please give dates; from:

to:

c) If the discharge is not continuous please detail the period/circumstances when it will occur.

Intermittent. The discharge from the storm tanks will occur if flows in excess of 8.5l/s are received for greater than 2 hours

2.7 a) Are there any existing consents for discharges from the premises (see note vi)? YES

If yes, please give the reference numbers (Any further information should be given in Section 5.3).

BC 0002501 main process; BC0232001 for storm discharge

b) Has any person had a Prohibition Notice serviced on them in respect of this site? NO

If yes, please give the reference number.

3 SITE DETAILS

3.1 Please give the name of the relevant Planning Authority.

Swansea

3.2 Please give details of the premises - tick as appropriate:

- | | | | |
|------------------------|--------------------------|---------------------------|-------------------------------------|
| 1. Single Dwelling | <input type="checkbox"/> | 6. Fish Farm | <input type="checkbox"/> |
| 2. Multiple Dwellings | <input type="checkbox"/> | 7. Mineral Workings | <input type="checkbox"/> |
| 3. Industrial Premises | <input type="checkbox"/> | 8. Water Services plc STW | <input checked="" type="checkbox"/> |

4. Vehicle Parking Area

9. Water Supply

5. Commercial Premises *(please specify)*

10. Other *(please specify)*

3.3 Please indicate source of the water supply - tick as appropriate:

1. Well

5. River *(please give name below)*

2. Borehole

6. Estuary *(please give name below)*

3. Precipitation (eg rain or snow)

7. Coastal Water *(please give name below)*

4. Mains *(please state water supply company)*

Not applicable

4 DETAILS OF RECEIVING ENVIRONMENT

4.1 Receiving Medium - tick the category(s) to which the proposed discharge(s) is(are) to be made:

1. Estuarial Water (tidal river or stream)

5. Into Land

2. River or Stream (non-tidal)

6. Onto Land

3. Canal

7. Directly into Groundwater

4. Lake, Lock or Pond

8. Coastal Water (see note vii)

State name of receiving water if known:

Burry Pill

4.2 In the case of sub-irrigation systems, soakaways or boreholes:

Not Applicable

(a) Is any part of the system within 5 metres of the boundary of the premises?

Y/N

(b) Is any part of the system within 10 metres of a watercourse?

Y/N

(c) Is any part of the system within 50 metres of a borehole or spring?

Y/N

(d) For wells and boreholes state dimension(s) in metres.

m

(e) For sub-irrigation systems, soakaway pits, wells and boreholes, state maximum depth in metres.

m

(f) For boreholes, state details of lining in metres:

(i) Depth of lining

m

(ii) Depth of perforated lining

m

(iii) Depth of unperforated lining

m

(g) A percolation test must be carried out in accordance with British Standard BS6297:1983.
Have the results been provided?

Y/N

4.3

Is there a foul sewer available to which the discharge(s) could be made (see note viii)?
If yes, please give the reasons it is not practical to connect to it (eg distance, flow etc).

N/a

5 DETAILS OF APPLICANT AND OTHER INFORMATION

5.1 (See general notes and note ix)

(a) Full name and postal address of applicant. This should be the person who will become the consent holder should consent be issued.

* Dwr Cymru Welsh Water
* Pentwyn Rd
* Nelson
* Treharris
* Mid Glam
*

Post Code: CF46 6LY

Daytime Telephone Number:

Company Registration Number (if appropriate): 2366777

(b) Agent (if any) - Full name and postal address.

*
*
*
*
*
*

Post Code:

Contact Name and Daytime Telephone Number:

5.2

Please give full name and address to which bills should be sent if different to that given above:

*
*
*
*
*
*

Post Code:

Daytime Telephone Number:

5.3 Are there any other factors to be taken into account? Please continue on a separate sheet if necessary.

DECLARATION

I/We:

1. apply under the Water Resources Act 1991 (as amended by the Environment Act 1995) for consent to discharge, as described in this Application. "This Application" means this page, all the other pages of this form and any attached annexes, the attached plan(s), any other sheets attached, and any other written information supplied to support the application.
2. enclose the required application fee, payable to the Environmental Agency (see note x).
3. enclose 3 copies of the plan(s) and location maps with all relevant information clearly marked (see note xi).
4. will pay required advertising costs (see note xii).
5. confirm that I/we* will notify the Environment Agency of any changes in the information in this application which might be material to the continuation of the consent.
6. confirm that the information given in this application and any questions which the Environment Agency may have about it is/will* be true to the best of my/our* knowledge, information and belief and am/are* not aware of any other facts or information which might affect the granting of a consent, or conditions which might be put on it (see note xiii).
7. confirm that I/we* will pay any annual charges due should a consent be granted YES/NO*. If no please indicate who will be completing section 5.2 above (see note xiv).

(* Delete as appropriate)

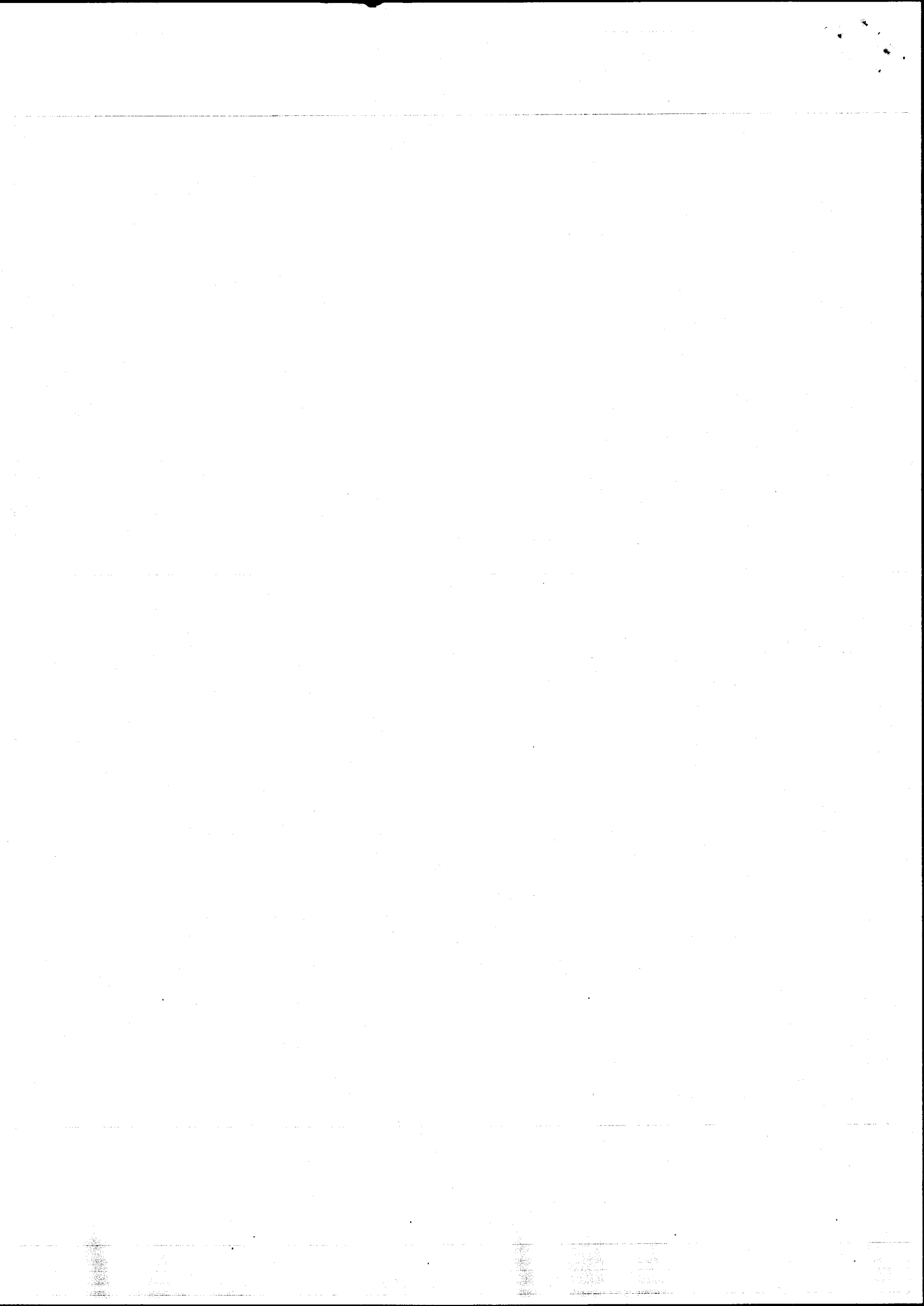
SIGNED: <i>Lewis Keil</i>	PRINT NAME: <i>LEWIS KEIL</i>
ON BEHALF OF: <i>DWR CYMRU CYF</i>	DATED: <i>18/11/04</i>

CONFIDENTIALITY

I/we apply for commercial confidentiality and enclose a full written justification (see note xv).

SIGNED:	DATED:
----------------------	---------------------

PLEASE RETURN THIS FORM TO THE ADDRESS GIVEN ON THE FRONT PAGE





**ANNEXE 2
SEWAGE EFFLUENT DISCHARGED IN STORM OR EMERGENCY CONDITIONS**

Please complete this annexe if you are proposing to make a discharge of sewage in emergency or storm conditions (if the effluent is to contain a trade component Annexe 3 should also be completed).

*Official Use Only
Application No.*

1. Site Name.

Reynoldston WwTW

2. State the type of discharge - tick as appropriate:

Storm tanks

Combined Sewer Overflow from sewerage system

Combined Sewer Overflow from pumping station

Emergency overflow from sewerage system

Emergency overflow from pumping station

Other (please specify)

3. For effluents discharging from sewage treatment works, is the storm/emergency effluent discharged via the same outlet as the treated effluent?

 NO

If no please give: a) the National Grid Reference of the treated effluent outlet.

S S 4 6 5 9 6 9 0 9 4 1

b) the consent or application number covering the treated effluent discharge

BC 0002501

If yes please give the National Grid Reference of the storm/emergency sampling point (see notes)

4. For effluents discharging from combined sewer overflows, is the discharge via a dedicated pipe?

 NA

If no please give the National Grid Reference of the overflow into the sewer.

5. Overflow settings

- a) Overflow setting to storm tanks
- b) Maximum flow to storm tanks
- c) Overflow setting to storm sewage overflow
- d) Maximum flow to storm sewage overflow

6. Storage capacity

- a) Volume of Storm tanks
- b) Retention time of storm tanks at 3PG + I + 3E
- c) Storage capacity of sewer/wet well

7. Please provide full details of the design criteria that have been used to support this application.

Storm tank volume is as existing and provides greater than the minimum requirement of 2 hours at FFT (61m³). The predicted effect of the works effluent and the storm discharge on the watercourse was modelled in the Reynoldston Phase 3 report. The sign off sheet is attached.

8. Will facilities be provided to raise alarms (eg telemetry)?
If yes, please give details.

9. Will facilities be provided to prevent the discharge of gross solids?
If yes, please give details (for screens give bar spacing or aperture).

A 6mm perforated plate screen is located on the storm weir

10. What provisions will be made to deal with:

- a) power failure (eg standby generators)?

The control penstock on the storm overflow will be linked to standby generator. The screen motor is linked to the standby generator.

- b) mechanical breakdown (eg standby pumps)?

Not reliant on pumps etc. Screen failure is noted on telemetry.

- c) rising main failure?

n/a

- d) tanker access?

n/a

Notes (see also the notes on the main form): Full details of the design criteria must be provided in order for the application to be determined. If you have any queries about what information is required please contact the person given in notes attached to the main form.



ANNEXE 4
WELSH REGION SUPPLEMENTARY INFORMATION ANNEXE

Please complete this annexe for every proposed discharge.

Official Use Only
Application No.

For all proposed discharges:

1. Site Name.

Reynoldston WwTW

2. Is this application being made to reinstate a lapsed Consent?

NO

If so, please state the Number of the lapsed Consent:

IMPORTANT: If you are in need of advice on either part of Question 2, please contact the Agency Regional Consents Section on 01222 770088.

3. If the proposed discharge is to be made down a pipe, channel or culvert (as given in Section 2.3 of the main application form), please state the diameter (including units):

200mm

4. Please indicate the anticipated cost of the proposed scheme, including any alternatives which may have been considered:

£1 million

5. Is there any trade effluent component in the proposed discharge?

NO

If yes, please confirm here that you have completed and enclosed Annexe 3:

Tick

N/a

6. Will the proposed discharge be pumped or made under gravity? (please circle)

If pumped, please state the maximum pump rate in l/sec:

For proposed discharges of sewage in storm or emergency conditions:

7. Please confirm here that you have completed and enclosed both Annexes 1 and 2: *Tick*

Annex 1 for works
in separate
application

8. Please state:

Population served (head)	1541 total
Consumption (l/head/day) default = 180	180 with 120l/hd used for tourism and 75l/hd used for restaurants and pubs
Infiltration (m ³ /day)	80.1
Industrial effluent flow (m ³ /day)	0
Dry Weather Flow (m ³ /day)	299
Soc A (l/sec)	27.7 l/s
Predicted spill frequency (per annum)	n/a

IMPORTANT NOTES FOR ALL CONSENT APPLICATIONS:

- 1. Whoever signs the declaration on the main application form takes responsibility for the discharge, and will become the registered consent holder, if consent is given. In the case of a 'body corporate' (eg a public limited company ('plc'), limited, company, local authority), the 'body corporate' will be the registered consent holder, and the person with the delegated authority to sign on behalf of the 'body corporate' should give their job title.**
- 2. Agents making an application on behalf of a client, must attach their clients written authority.**
- 3. If the name and/or address of the applicant changes after submission of this application to the Environment Agency, the applicant must inform the Agency in writing.**

CONSENT NO.

BP0232001



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
Dŵr 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 a discharge **OF SEWAGE EFFLUENT**, as follows:

Settled Storm Sewage

with respect to Consent No. **BP0232001** issued on the 26th day of April 1994

FROM: REYNOLDSTON WASTEWATER TREATMENT WORKS

AT: REYNOLDSTON, GOWER, NEAR SWANSEA

TO: BURRY PILL

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

Settled Storm Sewage

Schedule No. BP0232001 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, which affects 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 on the 10th day of March, 2005 and takes effect on the 31st day of March 2005.

Signed

Team Leader – Regulatory Water Quality



CONSENT NO.	BP0232001
SCHEDULE NO.	BP0232001 01
DATE ISSUED	10 th March, 2005



ASiantaeth Yr
Amgylchedd Cymru
Environment
Agency Wales

CONDITIONS OF CONSENT TO DISCHARGE

Settled Storm Sewage ("the Discharge")

**FROM: REYNOLDSTON WASTEWATER TREATMENT WORKS,
REYNOLDSTON, GOWER, NEAR SWANSEA**

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 200 millimetre diameter pipe;
 - (b) discharging to Burry Pill;
 - (c) at National Grid Reference SS 46588 90926;
 - (d) shown marked 'Consent Point' on Plan BP0232001 attached as Annex 1.

SAMPLE POINT

3. The outlet to controlled waters shall be constructed, maintained and appropriately labelled so that a representative sample of the Discharge may be obtained at National Grid Reference SS 46588 90926, as shown marked 'Consent Point' on Plan BP0232001.

VOLUME

4. (a) The Discharge shall occur when and only for as long as, the storm tank(s) are full. The discharge of storm sewage to the storm tank(s) shall only occur when the rate of flow at the storm sewage separating weir is in excess of 8.5 litres per second due to rainfall and/or snow melt and shall consist only of flows in excess of this figure. The storm tank(s) shall be emptied automatically and their contents returned for full treatment as soon as practicable after cessation of the overflow to the storm tank(s).
- (b) The capacity of the storm tank(s) shall be at least 72 cubic metres.



CONSENT NO.	BP0232001
SCHEDULE NO.	BP0232001 01



**ASiantaeth Yr
Amgylchedd Cymru
Environment
Agency Wales**

COMPOSITION

5. (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.

UNUSUAL WEATHER CONDITIONS

6. (a) No inspection of the sewage treatment works, made at a time when unusual weather conditions are adversely affecting the operation of the sewage treatment works, shall be taken into account in deciding whether or not the condition 6 of this consent schedule have been complied with.
- (b) For the purpose of this condition "unusual weather conditions" shall include:
- (i) low ambient temperatures as evidenced by effluent temperatures of 5°C or less, or by the freezing of mechanical equipment in the works;
 - (ii) significant snow deposits;
 - (iii) tidal or fluvial flooding;
 - (iv) weather conditions causing unforeseen loss of power supply to the sewage treatment which could not be ameliorated by the reasonable provision and operation of standby generation facilities.
- (c) On any occasion where unusual weather conditions adversely affect the operation of the sewage treatment works, the Consent Holder shall use its best endeavours to mitigate that adverse effect.
- (d) For an inspection of the sewage treatment works to be considered for the purposes of (a) above, the Consent Holder shall notify the Agency by telefax or telephone as soon as unusual weather conditions are known to have adversely affected operations and shall confirm the circumstances in writing as soon as possible thereafter (and in any event within 14 days of the occurrence of such conditions). That notification shall include a full description of the unusual weather conditions and their impact on the operation of the works.



CONSENT NO.	BP0232001
SCHEDULE NO.	BP0232001 01



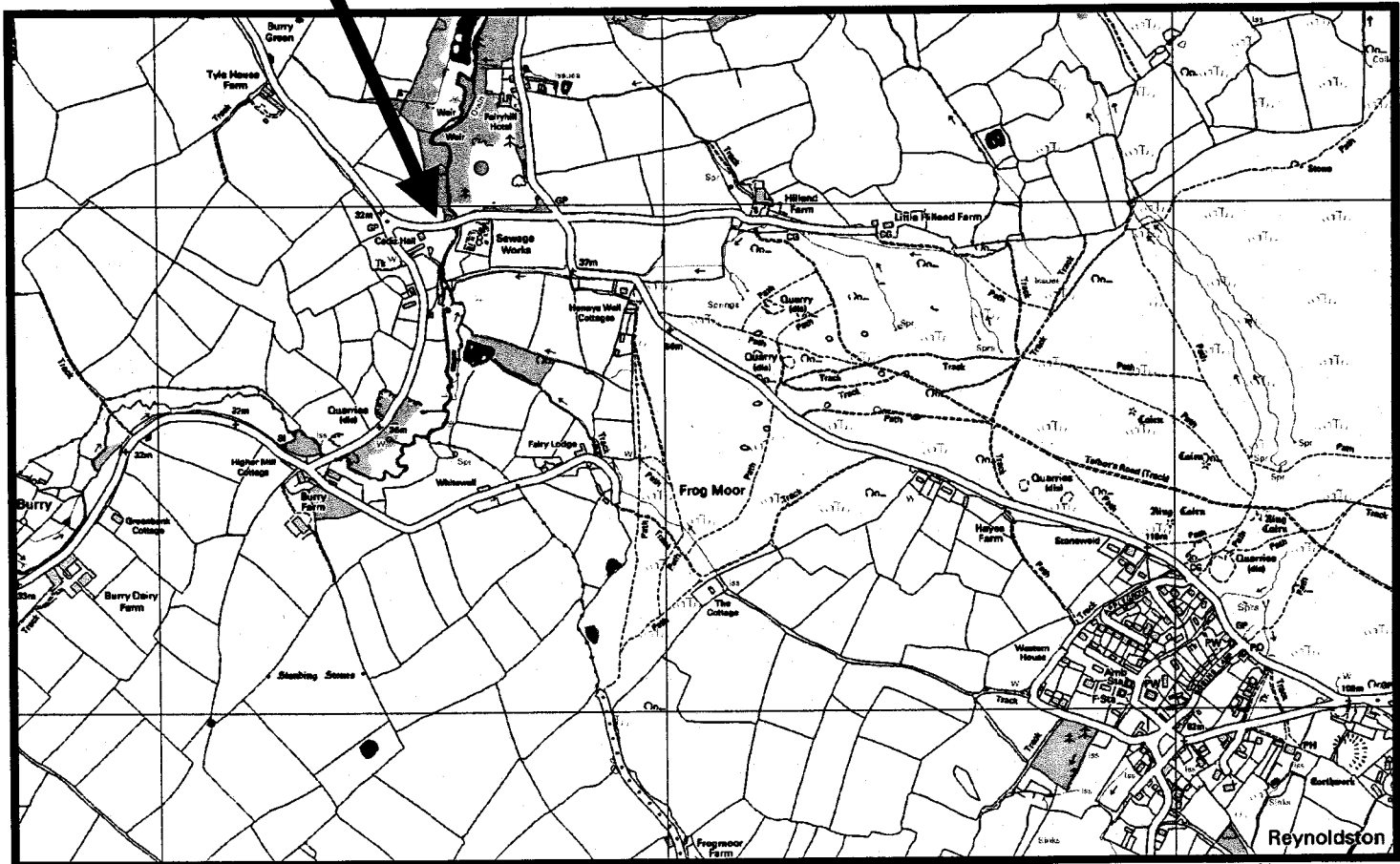
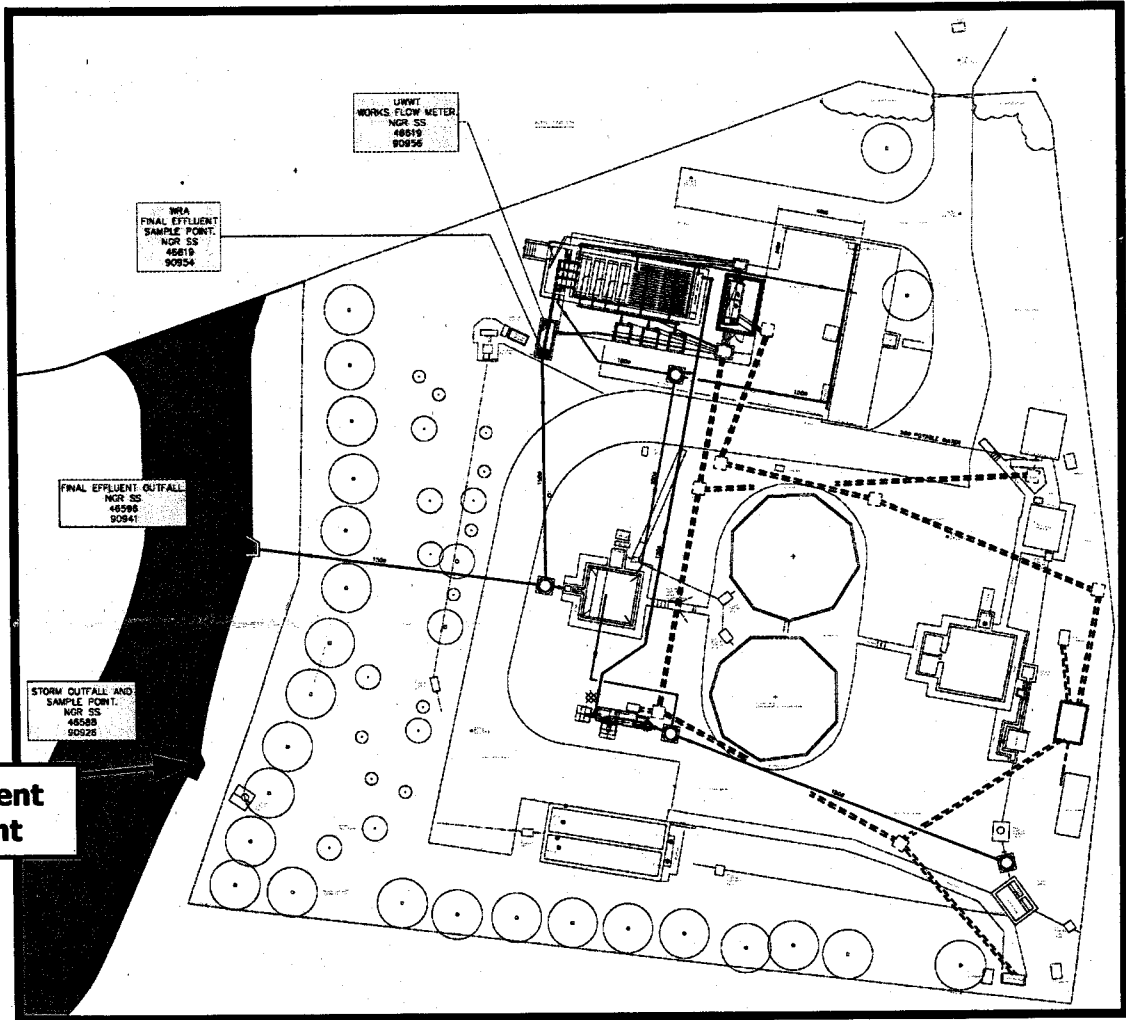
**ASiantaeth Yr
Amgylchedd Cymru
Environment
Agency Wales**

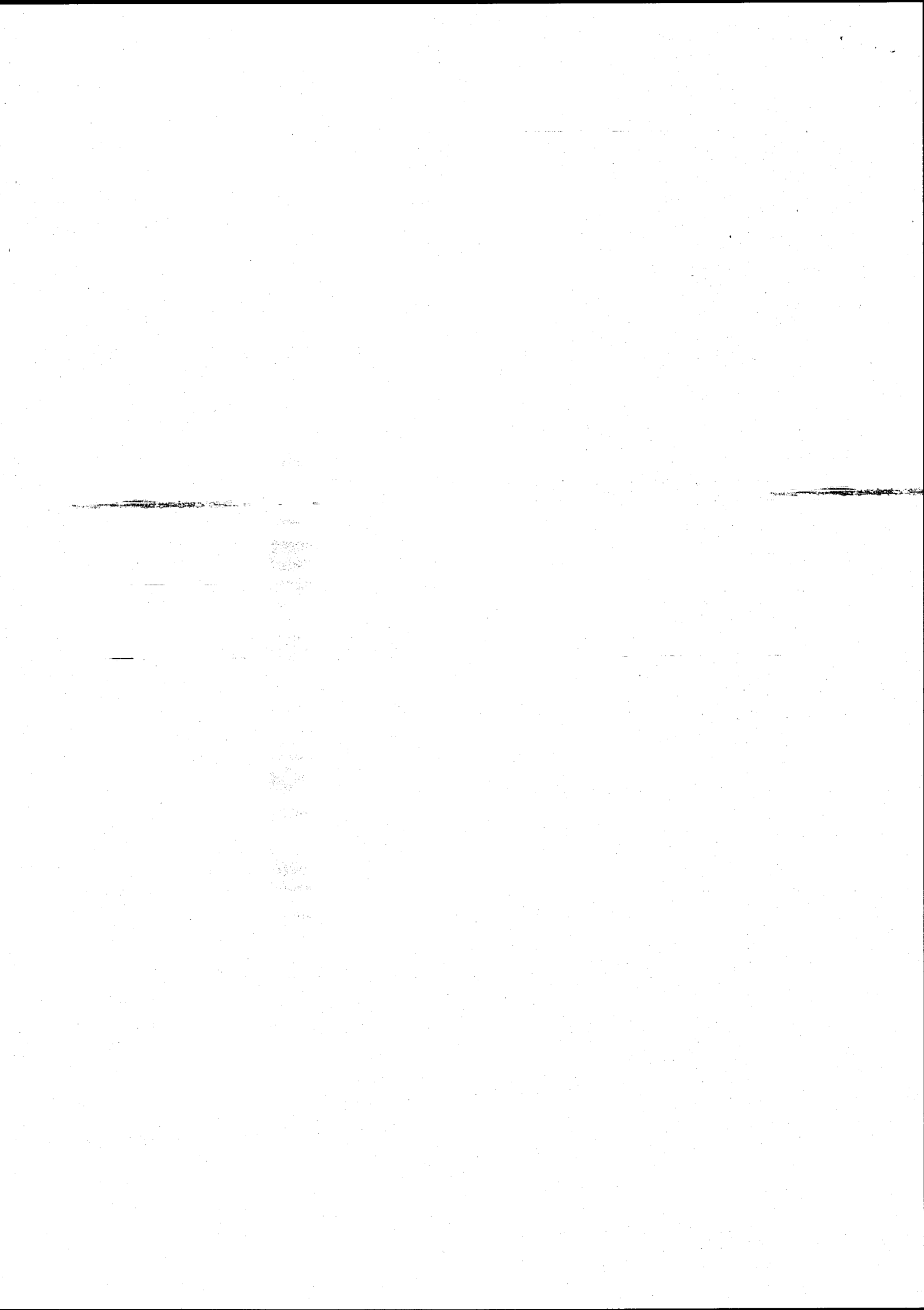
RECORDING AND REPORTING

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 the operation of the storm tanks. 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 the operation of the storm tanks.



REYNOLDSTON WwTW – Settled Storm REYNOLDSTON, GOWER





Ein cyf/Our ref. EA/LK/BP0232001/BC0002501

Eich cyf/Your ref.

Dyddiad/Date: 6 December 2004



ASiantaeth Yr
Amgylchedd Cymru
ENVIRONMENT
AGENCY WALES

Dr Lewis Keil
Dwr Cymru Cyf
Gowerton Waste Water Treatment Works
Victoria Road
Gowerton
Swansea
SA4 3AB

Dear Dr Keil

**WATER RESOURCES ACT 1991, SCHEDULE 10 (AS AMENDED BY THE ENVIRONMENT ACT 1995) APPLICATION TO DISCHARGE SEWAGE EFFLUENT BY DWR CYMRU FROM REYNOLDSTON WwTW, REYNOLDSTON, GOWER
APPLICATION NO: BC0002501/BP0232001**

I acknowledge receipt of your completed applications received on 19 November 2004 together with your application fee of £1486.00. Please quote the above applications number in any communication with us.

The legislation allows us 4 months from the date of receipt to determine your applications. However, an extension to the 4-month period may be necessary if we require further information to determine your applications or if agreed between us in writing. You will be advised if this proves necessary.

We will do all we can to deal with your application quickly, but if by 20 March 2005 (or such longer period as explained above), you have not been advised of our decision then the applications will be deemed to be refused. You will have a right of appeal to the National Assembly for Wales.

If granted, the consent of the Agency to make a discharge covers water quality considerations only. Should you require any advice on other consents, permissions, licences etc regulated by the Agency, please do not hesitate to contact me.

Details of your applications for consents are placed on a public register, kept by the Agency and open for inspection by the public.

Yours sincerely

LISA KNIGHT
Authorisations Officer

Direct dial 01792 325577
Direct fax 01792 325530

Asiantaeth yr Amgylchedd Cymru
Maes Newydd, Llandarsi, Nedd Port Talbot, SA10 6JQ
Ffon: 08708 506 506, Ffacs: 01792 325511

Environment Agency Wales
Maes Newydd, Llandarcy, Neath Port Talbot, SA10 6JQ
Tel: 08708 506 506, Fax: 01792 325511





Ein cyf/Our ref: EA/LK/BC0002501/BP0232001
Eich cyf/Your ref:



ASiantaeth Yr
AMGYLCHEDD CYMRU
ENVIRONMENT
AGENCY WALES

Dyddiad/Date: 22 November 2004

Dr Lewis Keil
Gower Waste Water Treatment Works
Victoria Road
Gowerton
Swansea
SA4 3AB

Dear Dr Keil

WATER RESOURCES ACT 1991, SCHEDULE 10 (AS AMENDED BY THE ENVIRONMENT ACT 1995) APPLICATION TO DISCHARGE SEWAGE EFFLUENT BY DWR CYMRU FROM REYNOLDSTON WwTW, REYNOLDSTON, GOWER APPLICATION NO: BC0002501/BP0232001

Thank you for your applications for consent to discharge and your application fee of £1486.00 received on 19 November 2004. They are receiving consideration and you will be hearing from us again shortly. Please quote references BC0002501/BP0232001 in any correspondence with us relating to these applications.

Yours sincerely

LISA KNIGHT
Authorisations Officer

Direct dial 01792 325577
Direct fax 01792 325530

Asiantaeth yr Amgylchedd Cymru
Maes Newydd, Llandarsi, Nedd Port Talbot, SA10 6JQ
Ffon: 0870 8 506 506, Ffacs: 01792 325511

Environment Agency Wales
Maes Newydd, Llandarcy, Neath Port Talbot, SA10 6JQ
Tel: 0870 8 506 506, Fax: 01792 325511







DŴR CYMRU
WELSH WATER

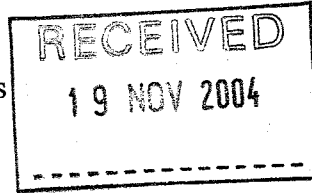
Gwaith Trin Dŵr Gwastraff Tregŵr
Heol Victoria
Tre Gŵyr
Abertawe SA4 3AB

Gowerton Waste Water Treatment Works
Victoria Road
Gowerton
Swansea SA4 3AB

Ffacs: +44 (0)1792 872 604
Safle gwe: www.dwrcymru.com

Fax: +44 (0)1792 872 604
Web site: www.dwrcymru.com

Mrs Lynne Lewis
Environment Agency Wales
'Maes Newydd'
Llandarcy
Neath and Port Talbot
SA10 6JQ



18th November 2004

Tel 01792 511828

Dear Mrs Lewis,

Reynoldston WwTW

Please find enclosed applications for variation of the final effluent (BC0002501) and settled storm (BP0232001) consents for Reynoldston WwTW. The new membrane plant has been chosen for its small footprint and high quality effluent rather than to meet a disinfection requirement. I would ask that the consent conditions are set accordingly.

I enclose cheque number 4591 for £1486.

Yours sincerely,

Dr Lewis Keil
Scientist - Wastewater

SCHEME NAME: Reynoldston STW

THE DATA IN THE FOLLOWING TABLE WILL BE TAKEN AS THE INFORMATION EXPECTED ON THE CONSENT APPLICATION, UNLESS AN AMENDMENT IS PROVIDED AND SIGNED OFF BY EA STAFF

DC No	Consent No	Name	Asset No	NGR asset	NGR sample point	NGR discharge point	Present		Future		Amenity value	Solids separation requirement	Target river class	Screens (type & size)	Existing Storage (m ³)	No. of spills		Emergency provision if PS	Comments (for EA use)
							SOC A (l/s)	CSO setting (l/s)	SOC A (l/s)	CSO setting (l/s)						Current	Future		
DC2012101	BC0002501 Works BP0232001 Settled Storm	Reynoldston STW	Works - 50761	246656mE 190973mN	246584mE 190920mN	246584mE 190920mN	N/A	5	28.7 27.7	8.5	N/A	6mm	RE1	6mm 2D static powered screen	72 m ³	N/A	162	N/A	Existing Storage Volume = 72 m ³ greater than 2 hours retention at FFT

Accepted by EA

Name: C. S. Small

Date: 10/11/24