

NATIONAL RIVERS AUTHORITY

WATER ACT 1989

Application for consent to discharge
Schedule 12



To:

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.

Application No. BP0214501

Date Received: 22/11/91

PLEASE REFER TO THE ATTACHED NOTES WHEN COMPLETING THE APPLICATION

I/We hereby apply for consent under the provisions of the Water Act 1989 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 S. H. Lewis Date 18.11.91

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:</p> <p>Daytime telephone number:</p>	<p>DWR CYMRU PLAS Y FFYNNON CAMBRIAN WAY BRECON POWYS LD3 7HP 0874 623181 (SELWYN LEWIS)</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

2a) Address or other sufficient description of land or premises to which this application relates.	NEWCHAPEL STW NEWCHAPEL DYFED											
2b) National Grid Reference of point of discharge.	S N	22 47 39 08										
2c) District Council area.	PRESELI PEMBROKESHIRE											
3 State the nature of the discharge. Tick one or more boxes as appropriate. (See note 6.)	Sewage effluent <input checked="" type="checkbox"/> Storm/emergency sewage effluent <input type="checkbox"/> Trade effluent <input type="checkbox"/> Any other matter <input type="checkbox"/>											
4 For sewage and trade effluent, and storm/emergency discharges, state:- a) Maximum quantity it is proposed to discharge in one day. (See note 7.) b) Highest rate at which it is proposed to operate the discharge. c) Periods during which the discharge will take place.	<div style="display: flex; justify-content: space-between; align-items: center;"> 218 m³/day </div> <div style="display: flex; justify-content: space-between; align-items: center;"> 2.5 l/sec </div>											
5 For rainfall dependent discharges, state the area to be drained. (Roof areas and other impervious areas should be separately identified.)	m ²											
6 Receiving medium Tick the category to which the proposed discharge(s) are to be made. <table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">A. TIDAL RIVER OR STREAM <input type="checkbox"/></td> <td style="width: 50%;">E. INTO LAND <input type="checkbox"/></td> </tr> <tr> <td>B. NON-TIDAL RIVER OR STREAM <input checked="" type="checkbox"/></td> <td>F. ONTO LAND <input type="checkbox"/></td> </tr> <tr> <td>C. CANAL <input type="checkbox"/></td> <td>G. DIRECTLY INTO GROUNDWATER <input type="checkbox"/></td> </tr> <tr> <td>D. LAKE, LOCH OR POND (not discharging to a river or stream) <input type="checkbox"/></td> <td>H. INTO LAND AND WATERCOURSE <input type="checkbox"/></td> </tr> <tr> <td></td> <td>I. COASTAL WATER (See Note 8.) <input type="checkbox"/></td> </tr> </table> <p>If A-D or H, state name of watercourse, if known:- DULAS</p>			A. TIDAL RIVER OR STREAM <input type="checkbox"/>	E. INTO LAND <input type="checkbox"/>	B. NON-TIDAL RIVER OR STREAM <input checked="" type="checkbox"/>	F. ONTO LAND <input type="checkbox"/>	C. CANAL <input type="checkbox"/>	G. DIRECTLY INTO GROUNDWATER <input type="checkbox"/>	D. LAKE, LOCH OR POND (not discharging to a river or stream) <input type="checkbox"/>	H. INTO LAND AND WATERCOURSE <input type="checkbox"/>		I. COASTAL WATER (See Note 8.) <input type="checkbox"/>
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	I. COASTAL WATER (See Note 8.) <input type="checkbox"/>											

- 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	<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:-

- 9 Give details as appropriate

- a) For pipes, channels, wells and boreholes, state diameter in millimetres or dimension(s) in metres.
- b) For sub-irrigation systems, soakaway pits, wells and boreholes, state depth in metres and geological stratum, if known.
- c) For boreholes, state details of lining:
- Type of lining
- Depth of lining
- Depth of perforated lining
- Depth of unperforated lining

a) 150 mm ϕ

b)

c)

: metres

: metres

: metres

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

If yes give reason for not connecting.

YES/NO*

:

- 11 Give brief details of:

- a) Source of water supply (eg mains, well, borehole, etc.)
- b) General purpose for which water is used (eg domestic, cooling, etc.)

a)

b)

12 Is consent required for a limited period? If yes give relevant dates	YES/NO* :																				
13 Does this proposal replace an existing discharge? If yes give details	YES/NO* EXISTING DISCHARGE OF TREATED SEWAGE TO TRIB. OF DULAS RT SN 2260 3919 BN 0266701																				
14 Are there any existing consents for discharge from the premises? (see note 10) If yes, give details, numbers, if known.	YES/NO* :																				
15 Please give details of the premises – tick as appropriate:– <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> 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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9. Water supply	<input type="checkbox"/>	10. Other	<input type="checkbox"/>																		
16 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 systems within 10 metres of a watercourse?	YES/NO*																				
c) Is the land in which the disposal system is to be constructed, to be under-drained with land drains discharging to a watercourse?	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) Has a percolation test been carried out? If yes, please attach results.	YES/NO*																				
17 FOR SEWAGE TREATMENT PLANTS																					
a) State the population served/population equivalent/estimated population*	*All year 126 *Summer *Winter																				
b) Give details of the treatment plant to be used (see note 11)	CONVENTIONAL STW																				

*Delete as necessary

FOR TRADE EFFLUENT AND SEWAGE DISCHARGES
CONTAINING TRADE EFFLUENT

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

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

19 FOR STORM AND EMERGENCY DISCHARGES AND SURFACE WATER SEWERS

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

Storm tanks	<input 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 20a
Other	<input type="checkbox"/>	Answer as appropriate

If other, please give further details:-

20		
a) State dry weather flow to pumping station/in sewer	:	m ³ /day
b) State flow at which storm discharge will commence	:	l/sec
21 Expected frequency of operation	:	per annum
22 State volume of storm tank(s).	:	m ³
23 State volume of wet well	:	m ³
24 What provisions have been made to raise alarms? (eg telemetry)		
25 What facilities have been provided to prevent the discharge of gross solids? (For screens, give bar spacing or aperture.)		
26 What provisions have been included to deal with a) power failure? b) mechanical breakdown? c) rising main failure?		
27 What facilities have been provided for flow measurements?		
28 Are there any other factors to be taken into account?		



*Awdurdod Afonydd Cenedlaethol
Rhanbarth Cymru*

*National Rivers Authority
Welsh Region*

Dwr Cymru plc
Plas Y Ffynnon
Cambrian Way
Brecon
Powys LD3 7HP

Our Ref:
2/EQ/BP0219501/TK/JAT

Enquiries: Tim Knight
Tel: 0570 422455

Date
July 14, 1992

Dear Sirs

Consent to Discharge of Effluent

I enclose the Authority's Consent to Discharge of Effluent, Reg No. BP0219501 for your attention.

Yours faithfully

S J Brown
Area Environmental Quality Manager

Recorded Delivery No: F789498

Aelod Rhanbarthol o'r Bwrdd
Yr Athro Ron Edwards
Rheolwr Rhanbarth Cyllfredinol
Dr John Stoner

Llys Afon
Hawthorn Rise
Hwlfordd
Dyfed SA61 2BQ
Ffôn: Hwlfordd (0437) 760081
Ffacs: (0437) 760881

Regional Board Member
Professor Ron Edwards

Regional General Manager
Dr John Stoner

Llys Afon
Hawthorn Rise
Haverfordwest
Dyfed SA61 2BQ
Tel: Haverfordwest (0437) 760081
Fax: (0437) 760881



Awdurdod Afonydd Cenedlaethol
Rhanbarth Cymru

National Rivers Authority
Wales Region

WATER RESOURCES ACT 1991

Consent No. BP0219501

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 3

To: Dŵr Cymru Cyfyngedig
Of: Plas Y Ffynnon, Cambrian Way, Brecon, Powys, LD3 7HP
For: A Discharge of Biologically Treated Sewage Effluent
To: Tributary of the Afon Dulas
From: Newchapel STW.

CONDITIONS OF CONSENT

1. The discharge shall consist only of biologically treated sewage effluent.
2. The discharge shall be made in the manner and at the place specified as follows:-

Discharging via : 150mm diameter pipe
Discharging to : Un-named tributary of the Afon Dulas
At OS Grid Ref. : SN 2247 3908
As shown marked : Consent Point 'X' on the attached drawing/plan no. BP0219501
3. 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 sampling chamber as shown marked 'Point A' on the attached drawing/plan no. BP0219501/A.
4. The volume of effluent discharged under dry weather flow conditions shall not exceed 46.6 cubic metres per day.
5. The maximum rate of flow of effluent discharged shall not exceed 2.5 litres per second.

continued.....

Cadeirydd Rhanbarthol
Yr Athro Ron Edwards
Rheolwr Rhanbarth Cyffredinol
Dr John Stoner
Llys Afon
Hawthorn Rise
Hwlfordd
Dyfed, SA61 2BQ

Regional Chairman
Professor Ron Edwards
Regional General Manager
Dr John Stoner
Llys Afon
Hawthorn Rise
Haverfordwest
Dyfed, SA61 2BQ



*Awdurdod Afonydd Cenedlaethol
Rhanbarth Cymru*

*National Rivers Authority
Welsh Region*

WATER RESOURCES ACT 1991
Continuation Sheet

Consent No. BP0219501

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6. The maximum volume of effluent discharged shall not exceed 218 cubic metres per day.
7. Calibrated apparatus, approved in writing by the Authority, shall be provided and maintained in full working order, to permit the instantaneous rate of flow of effluent discharged to be measured accurately at any time.
8. The quality of the effluent discharged at all flow rates up to the maximum specified in condition 5 shall neither be inferior to the following lower tier numerical limits, except as provided for in the Annex 1, nor to the upper tier limits.
- 8a. The lower tier 5 day Biochemical Oxygen Demand (BOD ATU), determined at 20 degrees Celsius after the suppression of nitrification using allyl thiourea, shall not exceed 23 milligrammes of Oxygen per litre of sample. The upper tier BOD(ATU) shall not exceed 46 milligrammes of Oxygen per litre of sample.
- 8b. The lower tier Suspended Solids concentration (dried at 105 degrees Celsius) shall not exceed 35 milligrammes per litre. The upper tier Suspended Solids concentration shall not exceed 88 milligrammes per litre.
- 8c. The lower tier Ammoniacal Nitrogen concentration, expressed as Nitrogen, shall not exceed 18 milligrammes per litre. The upper tier Ammoniacal Nitrogen concentration shall not exceed 36 milligrammes per litre.
9. The Authority shall be informed in writing as soon as reasonably practicable of any information received by Dŵr Cymru to the effect that there has been or is likely to be discharged into the sewerage system connected to the works, a significant increase in the quantity of any of the substances listed in the attached Annex 2.
10. For the purposes of this consent dry weather flow shall mean the average daily flow to the treatment works during seven consecutive days without rain (excluding a period which includes public holidays) following seven days during which the rainfall did not exceed 0.25 mm on one day.

continued.....

Cadeirydd Rhanbarthol
Yr Athro Ron Edwards
Rheolwr Rhanbarth Cyffredinol
Dr John Stoner
Llys Afon
Hawthorn Rise
Hwlfordd
Dyfed, SA61 2BQ

Regional Chairman
Professor Ron Edwards
Regional General Manager
Dr John Stoner
Llys Afon
Hawthorn Rise
Haverfordwest
Dyfed, SA61 2BQ

Consent No. BP0219501

WATER RESOURCES ACT 1991
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11. The terms and conditions of this consent shall come into force on 30th September 1992.
12. This consent supercedes consent number BN0266701.

This Consent is given on: 14th July 1992 on behalf of the Authority
by: *Spencer* Area Environmental Quality Manager

During the period ending with the 13th July 1994 the terms of this
Consent will not be altered without the written agreement of the person
making the discharge.

ANNEX 1.

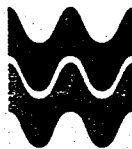
Where the number of samples taken in any period of twelve consecutive months falls within any of the ranges within Column 1 of the table below, the number of samples which are inferior to the numerical quality limit in force at the time for any determinand shall not exceed the appropriate permitted number as listed in Column 2. A sample shall only be considered as having failed in relation to the particular determinand(s) for which the specified quality limit is exceeded. A sample shall be considered to be satisfactory in relation to other determinands the concentration of which are equal to or lower than the specified limit. This annex shall not apply to the upper tier limits.

TABLE

<u>Column 1</u>	<u>Column 2</u>
Number of samples taken in any period of 12 months	Maximum number of samples permitted to exceed limit for given determinand
4-7	1
8-16	2
17-28	3
29-40	4
41-53	5
54-67	6
68-81	7
82-95	8
96-110	9
111-125	10
126-140	11
141-155	12
156-171	13
172-187	14
188-203	15
204-219	16
220-235	17
236-251	18
252-268	19
269-284	20
285-300	21
301-317	22
318-334	23
335-350	24
351-365	25

ANNEX 2.

<u>SUBSTANCE</u>	
Mercury	Fenthion
Cadmium	Parathion
g-Hexachlorocyclohexane	Parathion-methyl
DDT	Tetrachloroethylene
Pentachlorophenol	Trichloroethane
Hexachlorobenzene	Dioxins
Hexachlorobutadiene	Isodrin
Aldrin	
Dieldrin	
Endrin	
Polychlorinated Biphenyls	
Dichlorvos	
1,2 Dichloroethane	
Trichlorobenzene	
Atrazine	
Simazine	
Tributyltin compounds	
Triphenyltin compounds	
Trifluralin	
Fenitrothion	
Azinphos-methyl	
Malathion	
Endosulphan	
Carbon tetrachloride	
Chloroform	
Trichloroethylene	
Perchloroethylene	
Lead	
Chromium	
Zinc	
Copper	
Nickel	
Arsenic	
Iron	
pH	
Boron	
Vanadium	
PCSDs	
Cyfluthrin	
Sulcofuron	
Flucofuron	
Permethrin	
Cyanide	
Azinphos-ethyl	



DŴR CYMRU
WELSH WATER

COPY

Miss E Read
Environment Division
Welsh Office
Cathays Park
Cardiff

Dyddiad/Date:

20 February 1995
Ymholiadau/Enquiries:

Ein Cyf/Our Ref:

SHL/LAJ/NR6

Eich Cyf/Your Ref:

Dear Eve

Water Resources Act 1991 Section 91 - Appeal by Dŵr Cymru Cyfyngedig against Conditions of Consent imposed by the National Rivers Authority on Newchapel STW

Further to the Appeal submitted to the Secretary of State on 27/7/92 the National Rivers Authority has issued a review of consent BP0219501 which Dŵr Cymru finds acceptable.

The company therefore wishes to withdraw the Appeal.

Yours sincerely

Selwyn Lewis
Consents Regulation Officer

cc K Thomas NRA, St Mellons

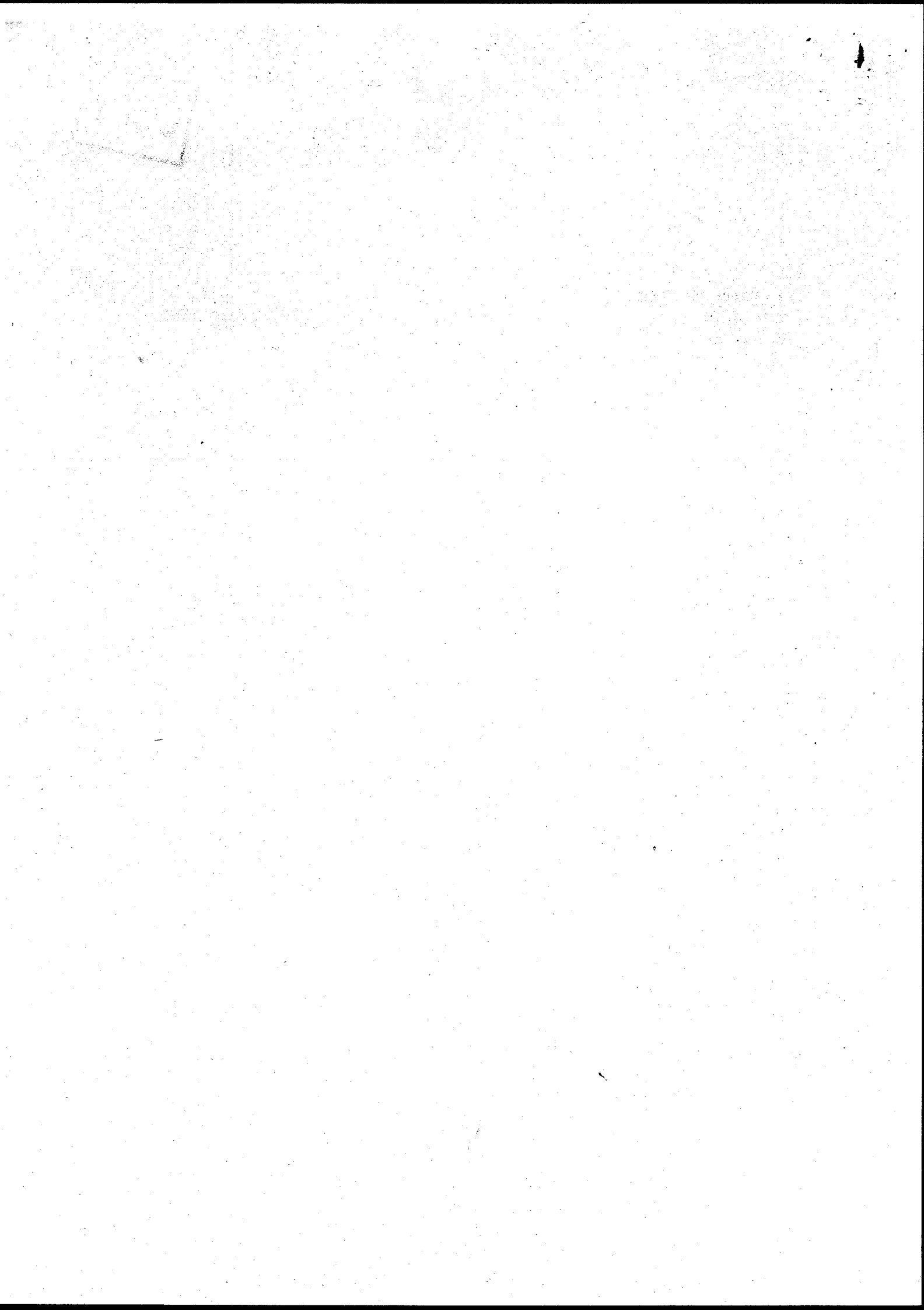
Plas y Ffynnon Ffordd Cambria
Aberhonddu Powys LD3 7HP
Ffôn: Aberhonddu (01874) 623181 Telex: 497429
Teleffacs: (01874) 624167

Dŵr Cymru Cyf, cwmni cyfyngedig wedi'i gofrestru yng Nghymru Rhif 2366777
Un o grwp cwmnïau Welsh Water PLC
Swyddfa Gofrestredig: Plas y Ffynnon Ffordd Cambria Aberhonddu Powys LD3 7HP

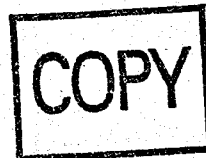


Plas y Ffynnon Cambrian Way
Brecon Powys LD3 7HP
Tel: Brecon (01874) 623181 Telex: 497429
Telefax: (01874) 624167

Dŵr Cymru Cyf, a limited company registered in Wales No 2366777
One of the Welsh Water PLC group of companies
Registered Office: Plas y Ffynnon Cambrian Way Brecon Powys LD3 7HP



Mr Selwyn Lewis
Consents Regulation Officer
Dŵr Cymru Cyfyngedig
Plas-y-Ffynnon
Cambrian Way
Brecon
Powys
LD3 7HP



February 14, 1995

Dear Selwyn,

APPEAL FOR NEWCHAPEL STW (BP0219501)

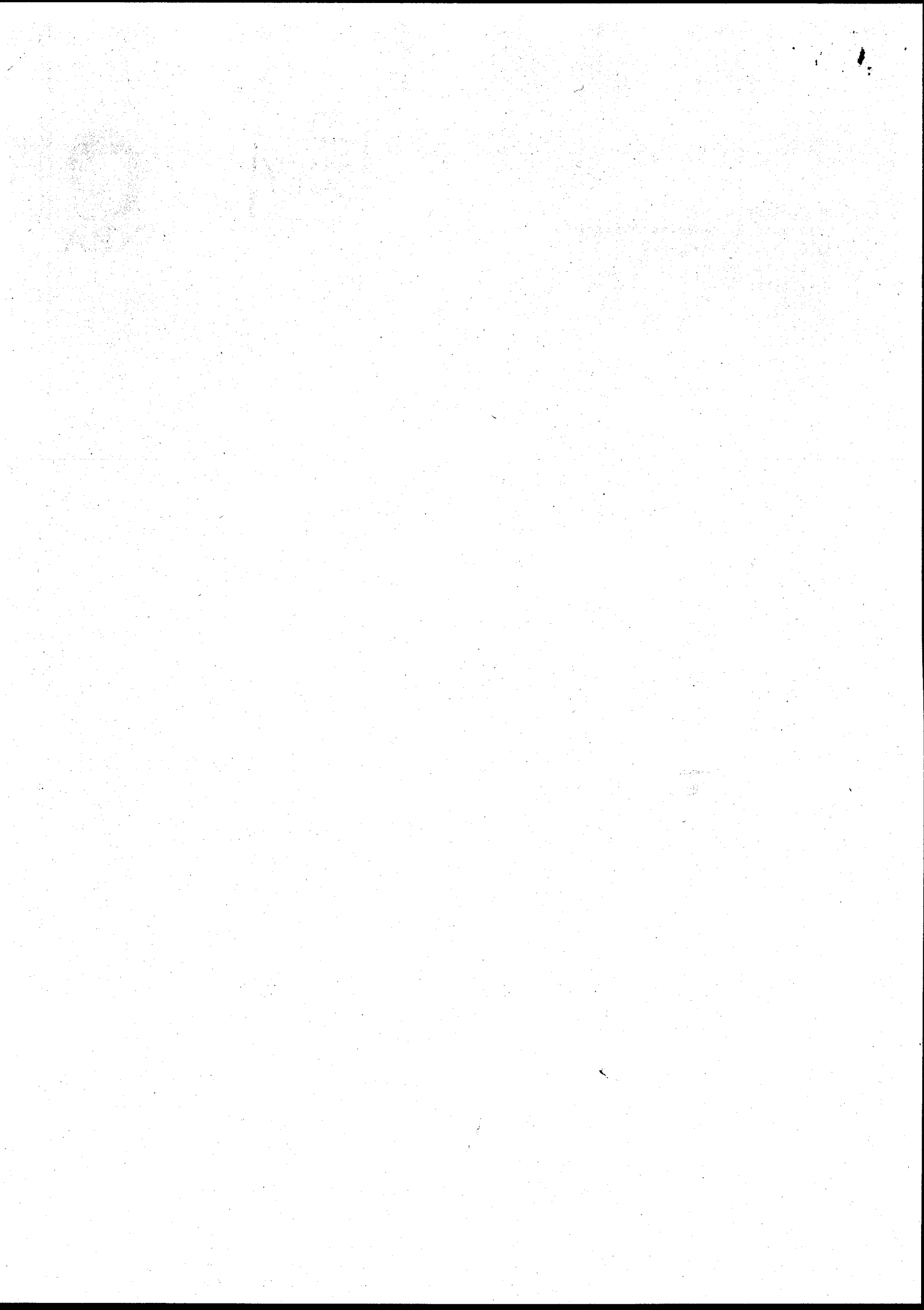
Further to: a) The Authority's letter dated 29/11/94
b) Your Company's reply dated 24/1/95
c) Tripartite meeting with the Welsh Office on 3/2/95

please find attached review of consent for the above works. As agreed, please confirm to Welsh Office your withdrawal of appeal dated 27/7/92, copied to myself for our records.

Thank you,

D.K. Thomas
Regional Consents and Environment Manager

CC: Eve Read Welsh Office



WATER RESOURCES ACT 1991

Consent No.	BP0219501
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Under Section 88 and Schedule 10 of the Water Resources Act 1991 and all other enabling powers the National Rivers Authority hereby serves this Notice

R E V I E W O F C O N S E N T

Page 1 of 6

To : Dŵr Cymru Cyfyngedig,

Of : Plas y Ffynnon, Cambrian Way, Brecon, Powys LD3 7HP

In respect of the previous Consent No. BP0219501 issued on : 14th July 1992

For : a discharge of sewage effluent

To : Un-named Tributary of the Afon Dulas

From : Newchapel Sewage Treatment Works

THE FOLLOWING REPLACE ALL PREVIOUS CONDITIONS

1. The discharge shall consist solely of biologically treated sewage effluent.
2. The discharge shall be made in the manner and at the place specified as follows:-

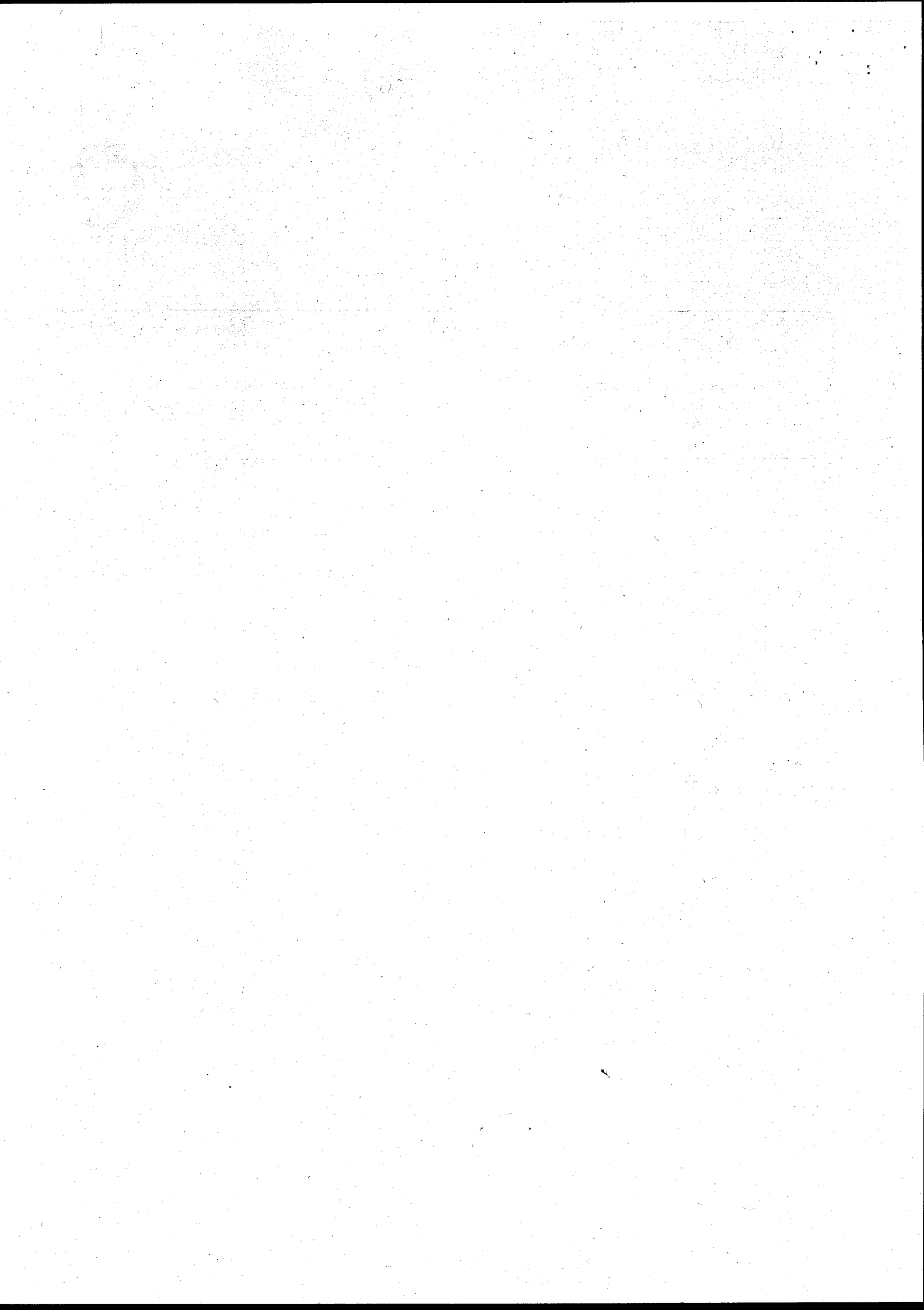
Discharging via : 150 mm diameter pipe

Discharging to : Un-named Tributary of the Afon Dulas

At OS Grid Ref. : SN 2247 3908

As shown marked : Consent Point 'X' on attached drawing/plan no. BP0219501

continued.....



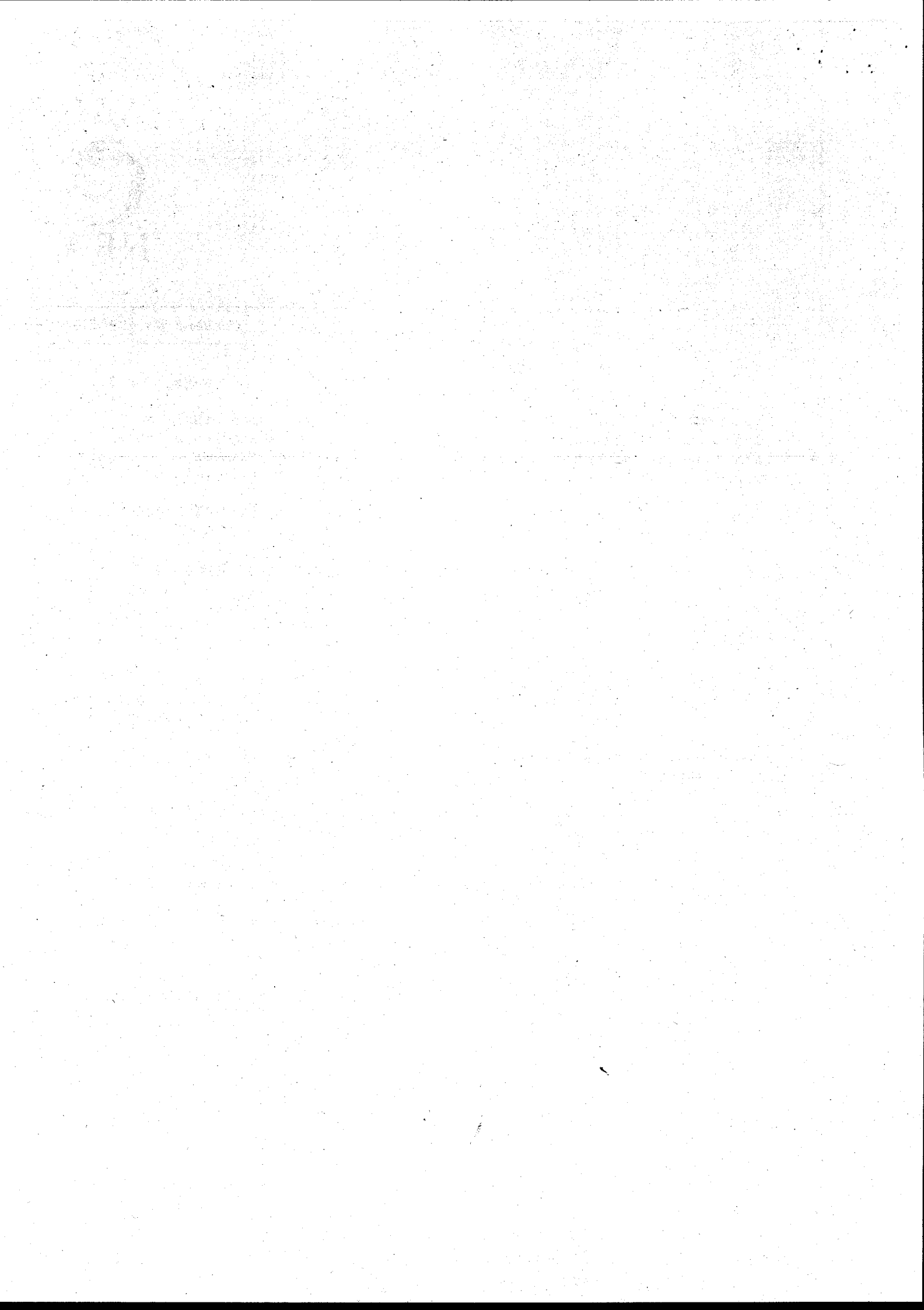
WATER RESOURCES ACT 1991
 Continuation Sheet

Consent No. BP0219501

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3. 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 sampling chamber as shown marked 'Point A' on the attached drawing/plan no. BP0219501/A.
4. The maximum volume of effluent discharged shall not exceed 218 cubic metres per day.
5. The volume of effluent discharged under dry weather flow conditions shall not exceed 46.6 cubic metres per day.
6. The maximum rate of flow of effluent discharged shall not exceed 2.5 litres per second.
7. Calibrated apparatus, approved in writing by the Authority, shall be provided and maintained in full working order, to permit the instantaneous rate of flow of effluent discharged to be measured accurately at any time.
8. (a) Subject to paragraph 8(b) below, no sample of the discharge shall contain more than:
 - (i) 23 milligrams per litre of biochemical oxygen demand (measured after 5 days at 20°C with nitrification suppressed by the addition of allyl-thiourea);
 - (ii) 18 milligrams per litre of ammoniacal nitrogen (expressed as N);
 - (iii) 35 milligrams per litre of suspended solids (measured after drying at 105°C).
- (b) The limit for any of the relevant parameters set out in paragraph 8(a) may be exceeded where, in any series of samples of the discharge taken at regular but randomised intervals in any period of twelve consecutive months, as listed in Column 1 of the table at Annex 1 to this Consent, no more than the relevant number of samples, as listed in Column 2 of the said table, exceed the applicable limit for that parameter.

continued.....



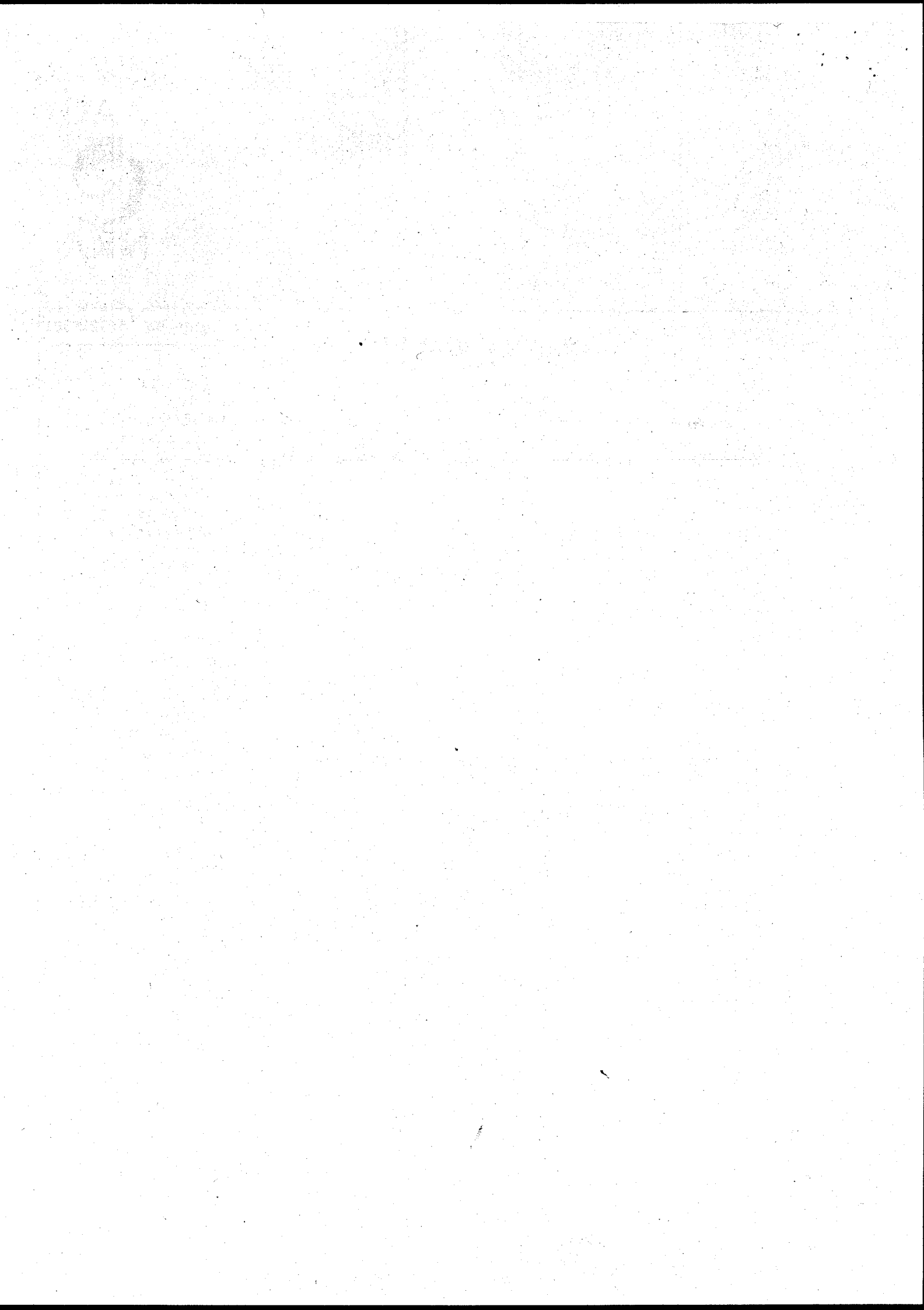
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Consent No. BP0219501

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9. The Authority shall be informed in writing as soon as reasonably practicable of any information received by Dwr Cymru to the effect that there has been or is likely to be discharged into the sewerage system connected to the works, a significant increase in the quantity of any of the substances listed in the attached Annex 2.
10. For the purposes of this consent dry weather flow shall mean the average daily flow to the treatment works during seven consecutive days without rain (excluding a period which includes public holidays) following seven days during which the rainfall did not exceed 0.25 mm on one day.
11. As far as reasonably practicable, the works shall be operated so as to prevent:
 - (a) any matter being present in the effluent, other than matter specifically covered by numerical conditions in this consent, to such an extent as to cause the receiving waters, or any waters of which the receiving waters are a tributary, to be poisonous or injurious to fish in those waters, or to the spawning grounds, spawn or food of fish in those waters, or otherwise cause damage to the ecology of those waters; and
 - (b) the treated effluent from having any adverse environmental impact.
12. No sample of sewage effluent taken at a time when Sections 87 (2) or 89 (1) of the Water Resources Act 1991 apply, and the operation of the sewage treatment works is consequently adversely affected, shall be taken into account in deciding whether or not the conditions contained in paragraphs 8(a) & 8(b) of this consent have been complied with.
13. On each occasion that the sewage treatment works is not under normal operating conditions for the reasons in 12, the discharger shall use its best endeavours to mitigate any adverse effect and shall notify the Authority by telephone/telefax as soon as practicable and confirm in writing within 14 days of occurrence of such conditions. That notification shall include a full description of the abnormal operating conditions and their impact on the operation of the works.

continued.....



WATER RESOURCES ACT 1991
 Continuation Sheet

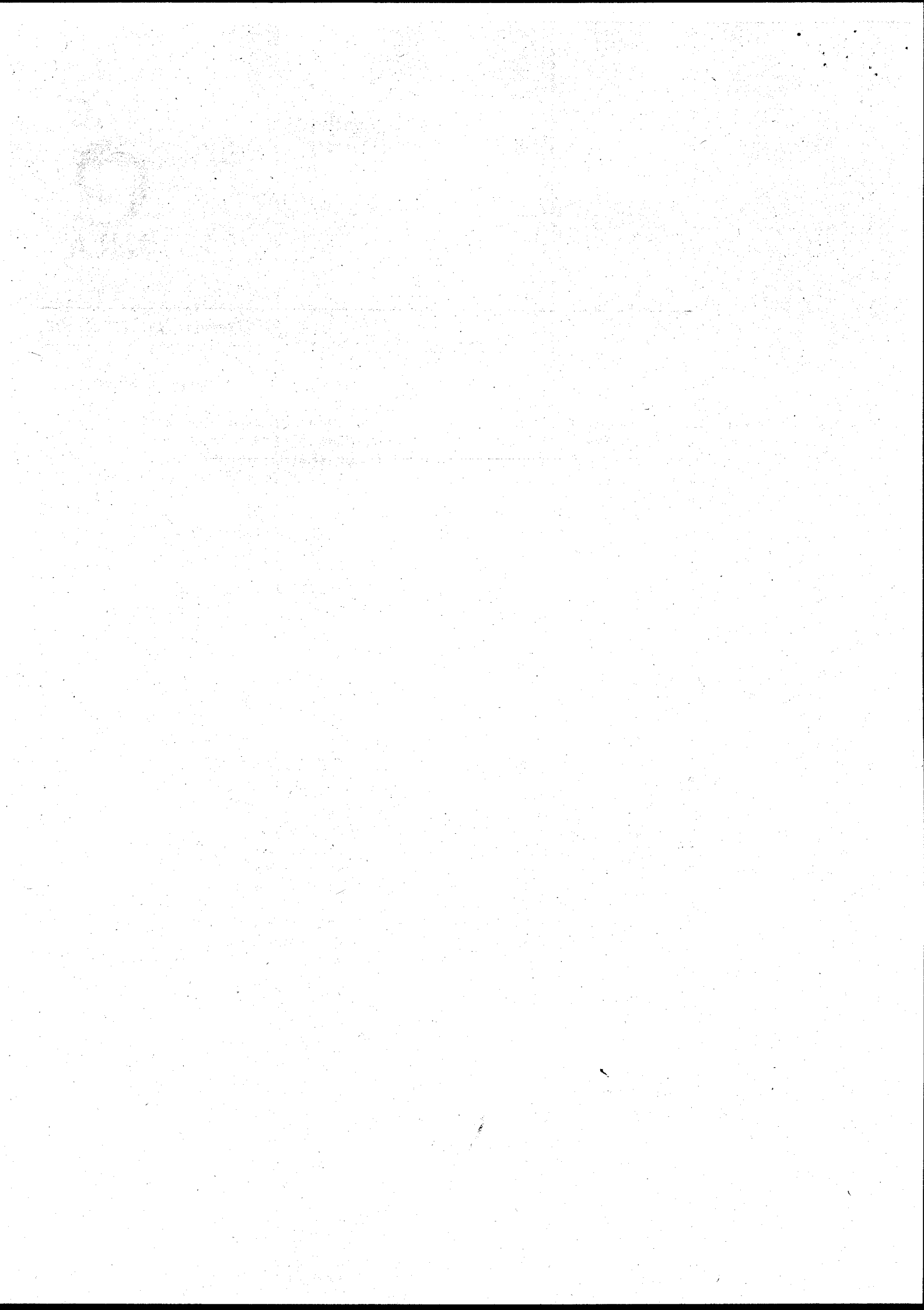
Consent No. BP0219501

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14. No samples of sewage effluent taken 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 conditions contained in paragraphs 8(a) & 8(b) of this consent have been complied with.
15. 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 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.
16. On any occasion where unusual weather conditions adversely affect the operation of the sewage treatment works, the discharger shall use its best endeavours to mitigate that adverse effect. The discharger shall notify the NRA by telephone/telefax 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.

This Notice is given on: *2nd February 1995* on behalf of the Authority
 by: *[Signature]* Regional Consents and Environment Manager

During the period ending with the *2nd February 1997*, the terms of this Notice will not be altered without the written agreement of the person making the discharge.



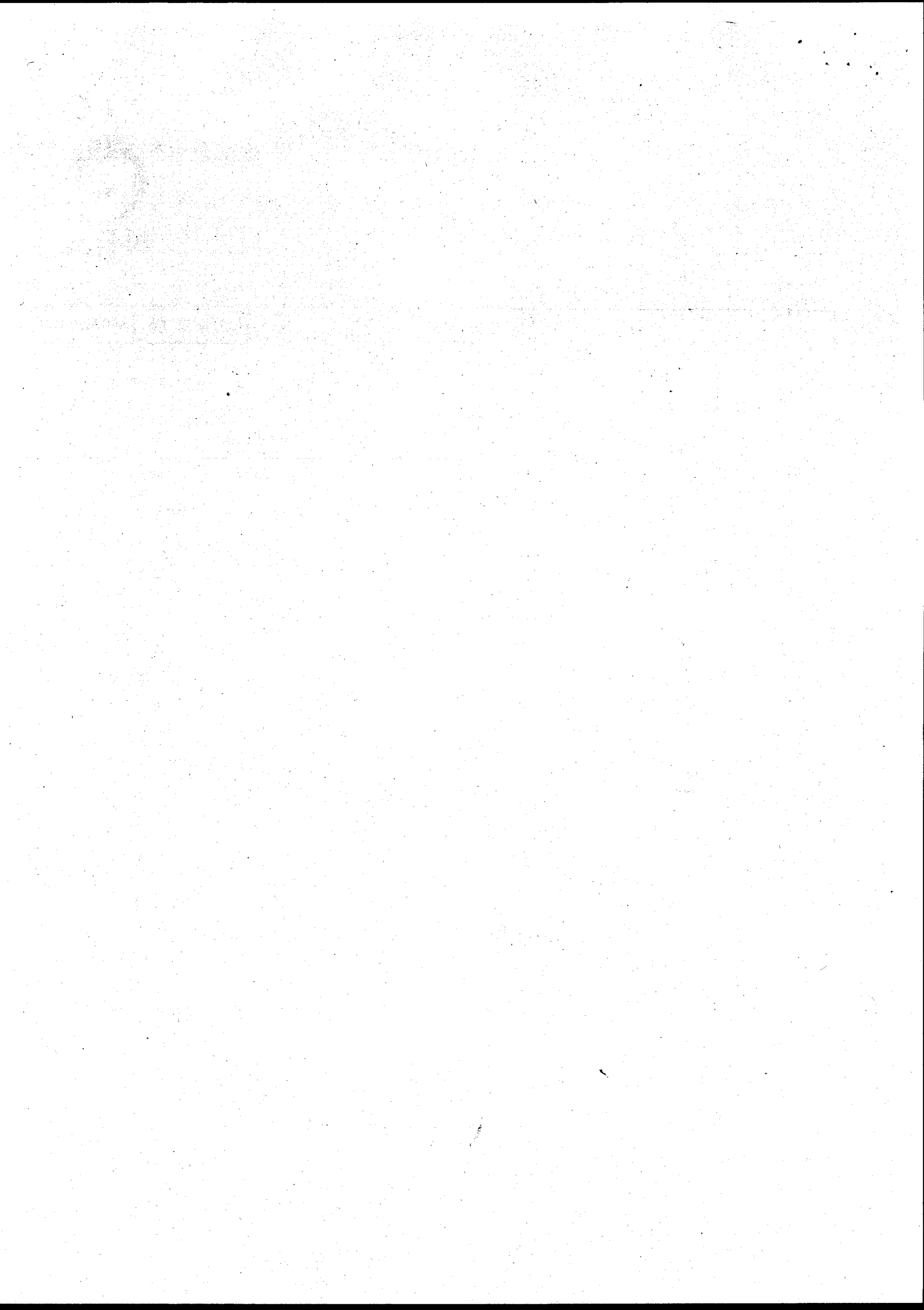
ANNEX 1

page 5 of 6

TABLE

<u>Column 1</u>	<u>Column 2</u>
Number of samples taken in any period of 12 months	Maximum number of samples permitted to exceed limit for given determinand
4-7	1
8-16	2
17-28	3
29-40	4
41-53	5
54-67	6
68-81	7
82-95	8
96-110	9
111-125	10
126-140	11
141-155	12
156-171	13
172-187	14
188-203	15
204-219	16
220-235	17
236-251	18
252-268	19
269-284	20
285-300	21
301-317	22
318-334	23
335-350	24
351-365	25

continued.....



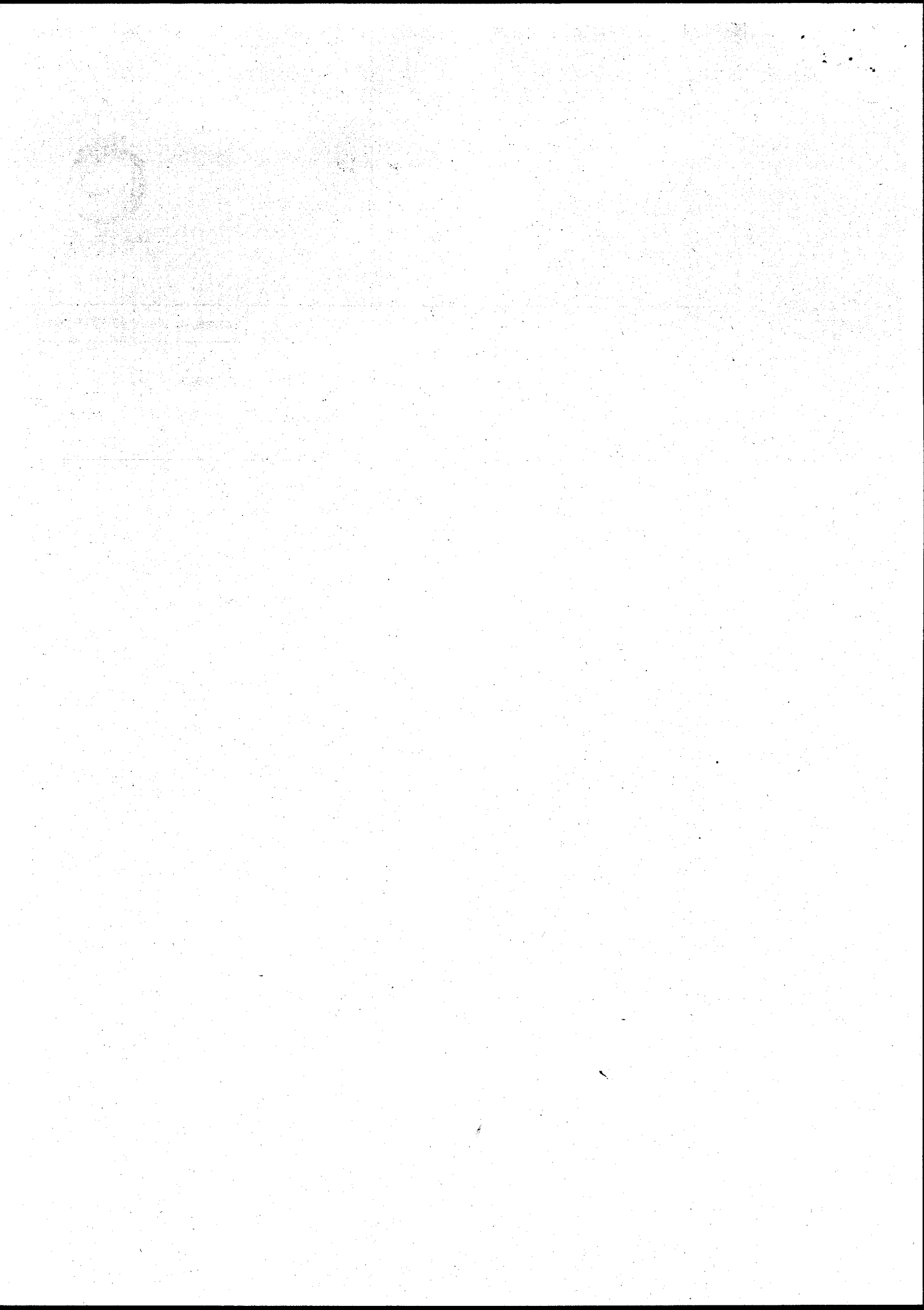
ANNEX 2

SUBSTANCE

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Mercury
 Cadmium
 g-Hexachlorocyclohexane
 DDT
 Pentachlorophenol
 Hexachlorobenzene
 Hexachlorobutadiene
 Aldrin
 Dieldrin
 Endrin
 Polychlorinated Biphenyls
 Dichlorvos
 1,2 Dichloroethane
 Trichlorobenzene
 Atrazine
 Simazine
 Tributyltin compounds
 Triphenyltin compounds
 Trifluralin
 Fenitrothion
 Azinphos-methyl
 Malathion
 Endosulphan
 Carbon tetrachloride
 Chloroform
 Trichloroethylene
 Tetrachloroethylene
 Lead
 Chromium
 Zinc
 Copper
 Nickel
 Arsenic
 Iron
 pH
 Boron

Vanadium
 PCSDs
 Cyfluthrin
 Sulcofuron
 Flucofuron
 Permethrin
 Cyanide
 Azinphos-ethyl
 Fenthion
 Parathion
 Parathion-methyl
 Trichloroethane
 Dioxins
 Isodrin





DŴR CYMRU
WELSH WATER

Mr D K Thomas
Regional Consents & Environmental Manager
National Rivers Authority
Plas-yr-Afon
St Mellons Business Park
St Mellons
Cardiff
CF1 0LT

Dyddiad/Date:

24 January 19952
Ymholiadau/Enquiries:

Ein Cyf/Our Ref:
SHL/CJW/NR6

Eich Cyf/Your Ref:

RT/CREU/C35/BP0219501

Dear Sir

Water Resources Act 1991, Section 91

**Appeal by Dŵr Cymru Cyfyngedig against Conditions of Consent for the Discharge of Sewage Effluent from Newchapel STW to a tributary of the Afon Dulas
Consent N^o BP 0219501**

I refer to your letter of the 29th November 1994 concerning the above matter and the modified consent document BP 0219501/M1 which you have drafted.

If the Authority issue a reviewed consent as modified in the draft document then Dŵr Cymru will withdraw its Appeal to the Secretary of State for Wales.

Yours faithfully

Selwyn Lewis
Consents Regulation Officer

cc Ms J Witchard, Environment Division, Welsh Office

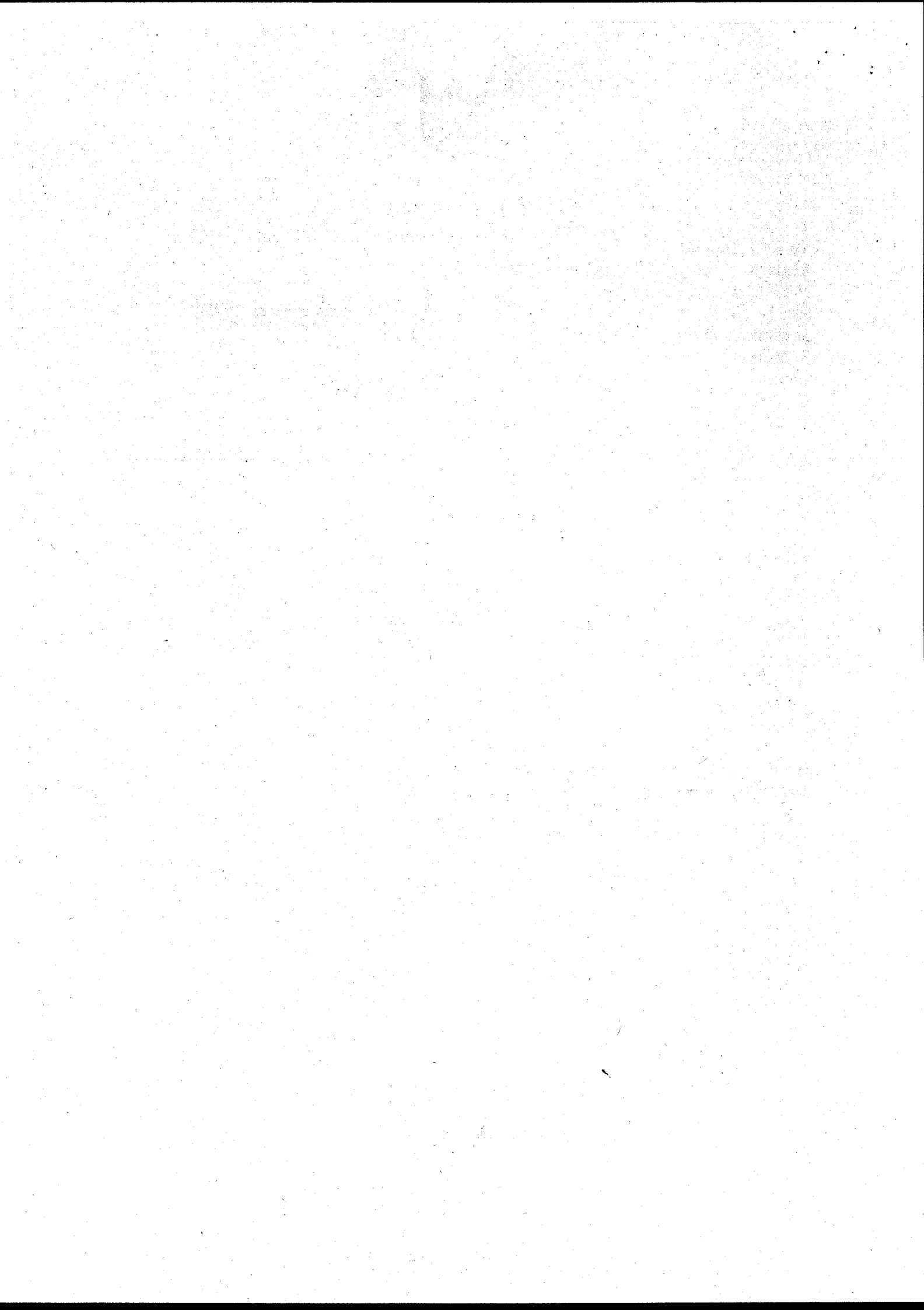
Plas y Ffynnon Ffordd Cambria
Aberhonddu Powys LD3 7HP
Ffôn: Aberhonddu (01874) 623181 Telecs: 497429
Teleffacs: (01874) 624167

Dŵr Cymru Cyf, cwmni cyfyngedig wedi'i gofrestru yng Nghymru Rhif 2366777
Un o grŵp cwmnïau Welsh Water PLC
Swyddfa Gofrestredig: Plas y Ffynnon Ffordd Cambria Aberhonddu Powys LD3 7HP



Plas y Ffynnon Cambrian Way
Brecon Powys LD3 7HP
Tel: Brecon (01874) 623181 Telex: 497429
Telefax: (01874) 624167

Dŵr Cymru Cyf, a limited company registered in Wales No 2366777
One of the Welsh Water PLC group of companies
Registered Office: Plas y Ffynnon Cambrian Way Brecon Powys LD3 7HP



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 BP0219501

Nature of Discharge(s); SEWAGE EFF/TREATED EFF/CONTINUOUS
at NEWCHAPEL STW

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)

Your ref.: various
Our ref.: N/WQConsents/DSAnnex

Date: 14th March 2000



ASiantaeth Yr
AMGYLCHEDD CYMRU
ENVIRONMENT
AGENCY WALES

Mr A. Andrews
Dŵr Cymru cyf.
Plas Y Fynnon
Cambrian Way
Brecon
LD3 7HP

Dear Sir

DISCHARGE CONSENTS - NOTIFICATION OF CHANGE TO DANGEROUS SUBSTANCES ANNEX

According to our records, you have a Consent to discharge trade or sewage effluent. The Discharge Consent contains the following condition or one that is similar: -

"The discharger shall notify the Agency in writing if any known introduction or material change in respect of discharges from trade premises...occurs that may increase or introduce into the effluent any "dangerous substance" included on List I, List II, or Red List (set out in Annex ...to this notice as updated from time to time and notified to the discharger in writing)..."

Owing to Regulations issued by DETR, the Environment Agency has reviewed the listing of substances in the Annex to this condition.

The Surface Waters (Dangerous Substances) (Classification) Regulations (SI No 2560 (1997) and SI No 389 (1998)) have made some substances, which had previously been identified in Government circular 7/89, statutory and have added 20 new substances to this list. The Annex listing has also been revised to reflect the additional substances in the Regulations and to include other substances that have become a cause for concern since 1989 when the listing was first issued.

This letter and the attached revised listing serves as the required Notification, referred to in the Consent condition. The change takes immediate effect. Please replace the old list with the new one. Please contact your local Environment Agency office and write or speak to Alun Davies if you have any queries about this letter.

Thank you for your help in this important matter.

Yours faithfully

B. Williams

PP
KEVIN THOMAS
WATER QUALITY MANAGER WALES

Asiantaeth yr Amgylchedd Cymru
Plas-yr-Afon, Parc Busnes Llancirwg, Llancirwg, Caerdydd, CF3 0EY
Ffon: 029 20770088 Ffacs: 029 20798555

Environment Agency Wales
Rivers House, St Mellons Business Park, St Mellons, Cardiff, CF3 0EY
Tel: 029 20770088 Fax: 029 20798555



CONSENT NO.	BP0219501
SCHEDULE NO.	BP0219501 01

ANNEX

- | | |
|--|------------------------------|
| 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.