



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)

Regional/A The Regional Finance Manager Environment Agency Welsh Region PO Box 425 St Mellons Business Park CARDIFF CF3 0LT	<i>Official Use Only</i> <i>Dist/Area Ref:</i> <i>Application No. BC0016601 (RELE2)</i> <i>+ BR0265701 (SERVAD ST0601)</i> <i>Date Received:</i> <i>Fee Received:</i>
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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).

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 the relevant sections and provision of the necessary plans. If you have any queries regarding the form please contact the person given in the notes.

1 SITE ADDRESS

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

<p>TREBANOS SEWAGE TREATMENT WORKS PHEASANT RD TREBANOS SWANSEA</p>

Post Code:

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
Briefly state how this figure was calculated (see note ii). m³/day

- 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 4. Borehole 7. Sub-Irrigation System
2. Channel 5. Well 8. Combination of 6. & 7.
3. Culvert 6. Soakaway 9. Other (please specify below)

600 mm ϕ

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

FINAL EFFLUENT **S N** / **7 0 9 0** / **0 2 2 2** (please indicate on accompanying plans)
SETTLED STORM - SEE ANNEX 2

- 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)

FINAL EFFLUENT **S N** / **7 1 1 9** / **0 2 3 0** (please indicate on accompanying plans)
SETTLED STORM - SEE ANNEX 2

- c) What flow measurement facilities will be provided (see note v)? OF UN-NITRIIFIED EFFLUENT.
Please give details.

NOTE: IF PUMPING STATION FEEDING NITRIFYING FILTER FANS THERE WILL BE A DISCHARGE

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

- | | | | |
|--|--------------------------|---|--------------------------|
| 1. Well | <input type="checkbox"/> | 5. River (please give name below) | <input type="checkbox"/> |
| 2. Borehole | <input type="checkbox"/> | 6. Estuary (please give name below) | <input type="checkbox"/> |
| 3. Precipitation (eg. rain or snow) | <input type="checkbox"/> | 7. Coastal Water (please give name below) | <input type="checkbox"/> |
| 4. Mains (please state water supply company) | <input type="checkbox"/> | | |
-

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) | <input type="checkbox"/> | 5. Into Land | <input type="checkbox"/> |
| 2. River or Stream (non-tidal) | <input checked="" type="checkbox"/> | 6. Onto Land | <input type="checkbox"/> |
| 3. Canal | <input type="checkbox"/> | 7. Directly into Groundwater | <input type="checkbox"/> |
| 4. Lake, Loch or Pond | <input type="checkbox"/> | 8. Coastal Water (see note vii) | <input type="checkbox"/> |

State name of receiving water if known:

RIVER TAWE

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

- (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)? Y/N

If yes, please give the reasons it is not practical to connect to it (eg. distance, flow etc.).

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

* PLAS Y FFYNNON

* CAMBRIAN WAY

* BREGON

* POWYS

*

Post Code: LP3 7HR

Daytime Telephone Number: 01874 623181

Company Registration Number (if appropriate):

(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.



ANNEXE 1

SEWAGE EFFLUENT GREATER THAN 5 CUBIC METRES PER DAY

Official Use Only
Application No.

Please complete this annexe if you are proposing to discharge more than 5 cubic metres per day of sewage effluent (if the effluent is to contain a trade component Annexe 3 should also be completed).

1. Site Name:

TREBANOS SEWAGE TREATMENT WORKS
PHEASANT RD
TREBANOS
SWANSEA

2. Please detail the type and number of treatment units you are proposing to use.

3. Volume, rates and overflow settings. (Please give volumes in cubic metres per day or litres per second as indicated below) $P = 17,000$ $C = 0.185$ $I = 100\%$ $R\frac{1}{2}$

- a) Maximum flow to full treatment 12580 m³/d
(see note (ii) in main guidance notes for population equivalents).
- b) Dry weather flow of discharge(s) 6290 m³/d
- c) Average daily flow. 1.25 DWF
7863 m³/d
- d) Maximum rate of discharge(s) 146 l/s

4. Will there be provisions for storm/emergency discharges?
If yes, please complete Annexe 2. Y/ N

a) Will any self monitoring take place?
If yes, please give details. Y/ N

b) Will automatic sampling equipment be provided?
If yes, please give details of type and location (please indicate on plan). Y/ N

6. a) Please state the maximum population served by the treatment works.

FUTURE DESIGN 19,000
CONSENT APPLICATION FOR 17,000

b) Please give reasons for any variations in population eg. holiday resort, training area, seasonal industry etc. and detail the periods/times involved.

—

c) Please state type of catchment/site being served eg. residential, resort, industrial etc.

MAINLY RESIDENTIAL

7. Will a maintenance agreement be set up to manage the sewage works? (see note b)
If yes, please give details.

Y/N

8. a) Does the effluent contain a trade component?

Y/N

If yes, please complete appropriate section on Annexe 3 for authorised discharges of trade effluent to the sewerage system.

Notes (see also the notes attached to the main form):

- a) For significant sewage treatment plants full details of the plant design, dry weather flow and Biochemical Oxygen Demand load, along with information on all discharges from the works must be included in order for the application to be processed. Flow monitoring will normally be required for such discharges and details of siting and type of flow recorders should be provided.
- b) The Agency require a single body or company to be responsible for the discharge and any bills raised under the Charges for Discharges Scheme. Where multiple dwellings under different ownership are connected to the same system a management company should be set up.



ENVIRONMENT AGENCY

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 then Annexe 3 should also be completed)

Official Use Only
Application No.

1. Site Name.

TREBANOS SEWAGE TREATMENT WORKS
PHEASANT RD
TREBANOS
SWANSEA

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? Y/N

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

S N / 7 0 9 0 / 0 2 2 2 2 600mm ϕ

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

BC 0016601

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

SAMPLE POINT S N / 7 1 1 7 / 0 2 2 2

DISCHARGE POINT

S N 7119 0220

700mm ϕ GRP

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

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

/ /

5. Overflow settings

a) Overflow setting to storm tanks.

146 l/s

b) Maximum flow to storm tanks.

195 l/s

SOCA - FFT

c) Overflow setting to storm sewage overflow.

l/s

d) Maximum flow to storm sewage overflow.

l/s

6. Storage capacity

a) Volume of Storm Tanks.

1200 m³

b) Retention time of storm tanks at maximum flow.

1.7 hours

c) Storage capacity of sewer/wet well.

m³/day

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

8. Will facilities be provided to raise alarms (eg. telemetry)?

If yes, please give details.

Y/N

9. Will facilities be provided to prevent the discharge of gross solids?

If yes, please give details (for screens give bar spacing or aperture).

Y/N

ALL FLOWS SCREENED TO 6mm ; SETTLEMENT

10. What provisions will be made to deal with:

a) power failure (eg. standby generators)?

ON SITE GENERATOR

b) mechanical breakdown (eg. standby pumps)?

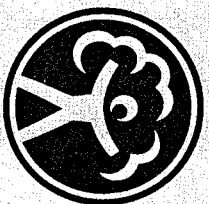
DUTY STANDBY FOR STORM RETURN & INTERSTAGE PUMPS

c) rising main failure?

d) tanker access?

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.



ENVIRONMENT AGENCY

ANNEXE 3 TRADE EFFLUENT DISCHARGES

Please complete this annexe if you are proposing to discharge trade effluent (this includes site drainage).

Official Use Only
Application No.

1. Site Name

TREBRANOS SEWAGE TREATMENT WORKS
PHEASANT RD
TREBRANOS
SWANSEA

2. a) Describe in full the trade effluent and the process(es) from which it arises.

CONSENTED TRADES
TU SEWER
WALL COLMONOY LTD
COMPARK INDUSTRIAL LTD
SLICE AND RICE
} CONSENTS ATTACHED

b) Please state the type and number of treatment units you are proposing to use (if site drainage please include details of oil/petrol interception facilities).

3. Rainfall Dependent Discharges

a) Is the volume going to be rainfall dependent?

Y/N

b) If yes, please give the total area drained.

m²

c) Please give details of any activities which occur in the drainage area which could contaminate surface water (see note b)

4. Rainfall Independent Discharges

a) What is the maximum rate of discharge?

l/s

b) What is the average daily flow?

m³/d

c) For discharges where the source of supply is other than mains water:

i) give the abstraction licence number:

ii) give the National Grid Reference of a point where the influent can be sampled.

/ / (please mark on the plan)

5. a) Will any self monitoring take place?
If yes, please give details.

Y/N

- b) Will automatic sampling equipment be provided?
If yes, please give details of type, frequency and location *(please indicate on plan)*.

Y/N

6. a) Please state the maximum temperature in degrees Celsius of the effluent when discharged if different from ambient.

- b) Will the discharge be monitored for temperature?
If yes, please give details of type and location *(please indicate on plan)*.

Y/N

7. Has an application for Authorisation been made for a 'prescribed process' as defined in Part I of the Environmental Protection Act 1990?

Y/N

If yes, please complete the following:

- a) The application reference.

- c) Contact name of case officer.

8. a) Please indicate if any of the specified substances given below or their compounds will be present in the effluent and if so at what maximum concentration (please give values in micrograms per litre - ug/l). Please see note c.

SUBSTANCE	CONCENTRATION (ug/l)			SUBSTANCE	CONCENTRATION (ug/l)		
	Max	Min	Mean		Max	Min	Mean
Iron				Lead			
Arsenic				Malathion			
Atrazine				Mercury			
Azinphos-ethyl				Nickel			
Azinphos-methyl				PCB's			
Boron				PCSD's			
Cadmium				Parathion			
Carbon tetrachloride				Parathion-methyl			
Chloroform				Pentachlorophenol (PCP)			
Chromium				Perchloroethylene			
Copper				Permethrin			
Cyanide				pH < 5.5 or > 9.0			
Cyfluthrin				Phosphorus			
DDT				Polychlorinated biphenyls			
1,2 Dichloroethane				Simazine			
Dichlorvos				Sulcofuron			
Dioxins				Tetrachloroethylene			
Drins (eg. Aldrin, Dieldrin)				Tributyltin compounds			
Endosulfan				Trichlorobenzene			
Fenitrothion				Trichloroethane			
Fenthion				Trichloroethylene			
Flucofuron				Trifluralin			
Hexachlorobenzene (HCB)				Triphenyltin compounds			
Hexachlorobutadiene (HCBD)				Vanadium			
Hexachlorocyclohexanes (HCH's)				Zinc			

- b) Are there any other significant chemical components used on site which may be contained in the effluent, including biocides or additives?
If yes, please give details.

Y/N

Notes (see also the notes attached to the main form):

- a) *For direct trade effluent discharges, full details of the type of the effluent are required (eg. cooling water from air conditioning units), along with typical analytical details and the results of any toxicity studies on the effluent or its constituents. In certain circumstances the Agency may require that specific samples be taken and tests and analysis carried out. The Agency is empowered to recover any costs incurred as a result of special studies.*
- b) *Possible sources of contamination include oil/chemical storage areas, vehicle loading/unloading areas, heavy vehicle parking areas and oil/petrol filling points. Any other potential sources of contamination should be detailed.*
- c) *Where discharges of trade effluent take place to a sewerage system, as covered by this application, please give details of all authorised discharges of substances listed in table 8 overleaf.*

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

b) Will the treatment process involve the use of any chemicals (eg ferric salts, polyelectrolytes)
 If yes please give details.

[Empty box for chemical details]

2.6 a) On what date do you anticipate the discharge will commence? 31 / 3 / 97

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.
 [Empty box]

2.7 a) Are there any existing consents for discharge from the premises (see note vi)?
 If yes, please give the reference numbers (Any further information should be given in section 5.3).

FE BC0016601

b) Has any person had a Prohibition Notice served on them in respect of this site?
 If yes, please give the reference number.
 [Empty box]

3 SITE DETAILS

3.1 Please give the name of the relevant Planning Authority.

NEATH & PORT TALBOT

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

1. Single Dwelling 6. Fish Farm
2. Multiple Dwellings 7. Mineral Workings
3. Industrial Premises 8. Water Services plc STW
4. Vehicle Parking Area 9. Water Supply
5. Commercial Premises (please specify) 10. Other (please specify)

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 Environment 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 by completing section 5.2 above (see note xiv).

(* Delete as appropriate)

SIGNED: <i>A.R. Andrews</i>	PRINT NAME: <i>A.R. ANDREWS</i>
ON BEHALF OF: <i>Dive CYMRU Cxf</i>	DATED: <i>16-1-97</i>

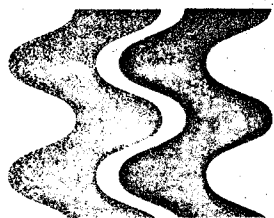
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CONFIDENTIALITY

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

SIGNED:	DATED:
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PLEASE RETURN THIS FORM TO THE ADDRESS GIVEN ON THE FRONT PAGE



Memorandum

To
T Kindon
Scientific Liaison Officer
HAVERFORDWEST

From
S H Lewis

Our Ref SHL/JB/1786 **Date** 7.11.86.

C.O.P.A. REG

I am enclosing a copy of the reviewed consent for Trebanos STW, which was sent to me by David Myers.

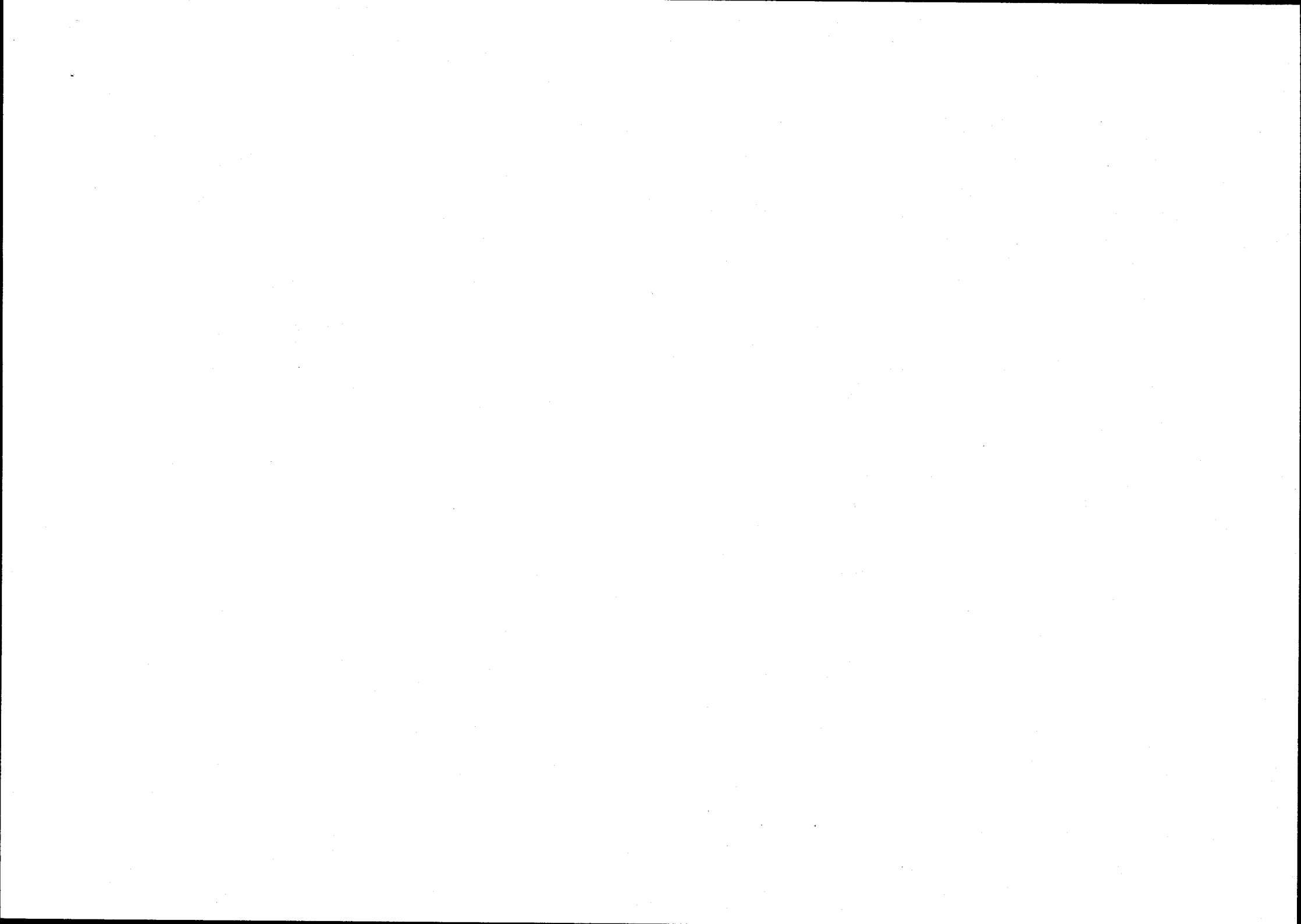
I consider that the new conditions should be entered onto the Register as a matter of urgency in view of the interest shown by Mr R Lockyer and the pollution problems caused by the effluent in the past.

Selwyn

S H Lewis
Consents and Industry Officer

Welsh Water Authority West Wales Division SCIENTIFIC DEPARTMENT		
Date Rec'd	10 NOV 1986	
Passed to for action	21/22	For filing
	<i>TSK.</i>	File No.
Copy to:		

Hi Barry
Please enter this consent onto the register, using the reference for the previous consent, and then insert this copy into the register.
Barry



LOCAL GOVERNMENT ACT 1972 WATER ACT 1973
RIVERS (PREVENTION OF POLLUTION) ACTS 1951-1961
WATER AUTHORITIES (CONTROL OF DISCHARGES) ORDER 1978

NOTIFICATION OF VARIATION OF CONSENT
for a discharge of treated sewage effluent

To :

WELSH WATER AUTHORITY

This Notice is issued under the above-mentioned Acts and Order and all other enabling powers as a NOTICE DEEMED TO HAVE BEEN GIVEN BY THE SECRETARY OF STATE FOR WALES, in respect of the existing discharge of treated sewage effluent from the Authority's :

TREBANOS SEWAGE TREATMENT WORKS

via an existing outlet and subject hitherto to a previous consent as specified below.

THE EXISTING OUTLET is to : the River Tawe

at National Grid Reference : SN 7107 0211

and has been shown marked : Discharge Point

on the attached Plan, No. : RW/0035/1/1

THE PREVIOUS CONSENT was : the Consent

Reference, No. -

granted on : 1st May 1970

by : South West Wales River Authority

to : Pontardawe Rural District Council

The Authority submitted this Notification of Variation on : 15th August 1983

to the Secretary of State for Wales in the form of a draft and the Secretary of State has NOT, within the relevant period, given notice of his intention to determine this matter. This discharge is therefore (in substitution for all the conditions hitherto in force) subject only to the following conditions as from : 15th November 1983

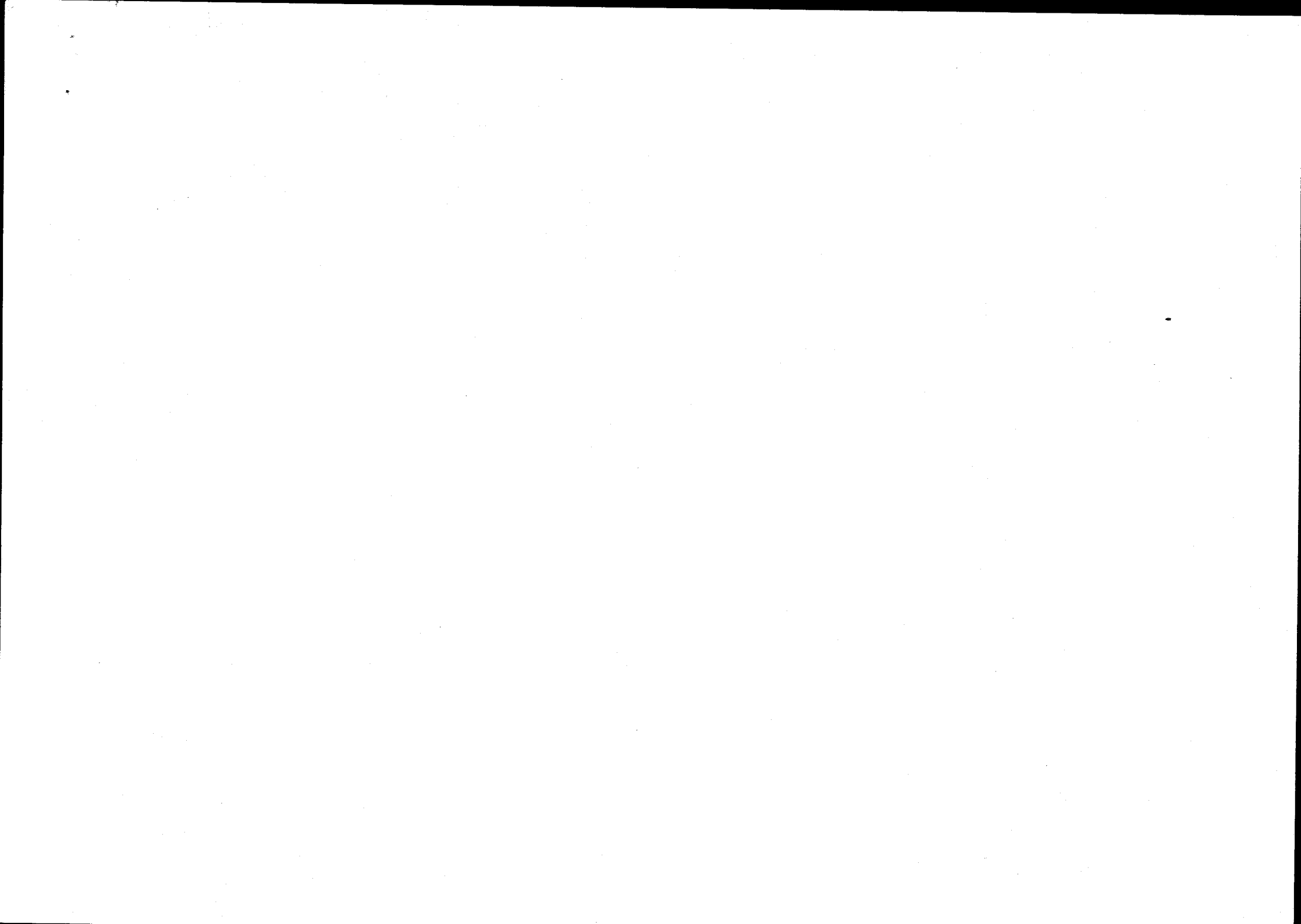
CONDITIONS

1. The discharge shall consist only of treated sewage effluent from the above works.
2. The quality and quantity of effluent shall not exceed the following maximum values:

<u>Determinand</u>	<u>Value</u>	<u>Unit</u>
Biochemical Oxygen Demand (+ATU) over 5 days at 20°C	43	milligrams per litre
Suspended Solids dried at 105°C	47	milligrams per litre
Rate of discharge	414.2	litres per second
Volume during any period of 24 consecutive hours	35786	cubic metres
Volume discharged under 'dry weather conditions' during any period of 24 consecutive hours	5964	cubic metres
3. Adequate facilities shall be provided for the taking of samples of the effluent at: outlet from final settlement tanks.

The terms of this Notice will not, without the consent in writing of the person to whom this Notice is given, (or his successor), be altered before the expiration of the period ending with the Fifteenth day of November 1985.

This Notification is issued by the Directorate of Scientific Services, Headquarters, Welsh Water Authority, Cambrian Way, Brecon, Powys.



BC 00 166 03

RW 23034 01

Scheme No. 08, 1977

SOUTH WEST WALES RIVER AUTHORITY
RIVERS (PREVENTION OF POLLUTION) ACTS, 1951-1961

Consent to discharge of effluent

The South West Wales River Authority pursuant to the provisions of the above mentioned Acts, hereby consent to the construction of an outlet and to the discharge of effluent therefrom upon the following conditions:—

1. NAME AND ADDRESS OF PERSON to whom consent is given

Ponlandrae Rural District Council,
Holly Street, Ponlandrae, Brecon, SA4 4JU
New Sewer Overflow below Yarrow Road,
Yellayern.

2. PREMISES to which consent relates

OUTLET

- (a) Location—situated on right/bank of River ~~near~~ **KHRILEY**
- Map reference **Q 8 21 2N 70** Grid reference **7630 0813**
- (b) Construction— **1 1/2** diameter **concrete** pipe
- (c) Use—restricted to Sewage/Storm Sewage/Trade Effluent produced at the above mentioned premises.

DISCHARGE

- (a) Nature **Storm sewage** discharge to occur only when flow passing Maximum rate of discharge **down sewer exceeds 140 ft³/min.**
- (b) Temperature not to exceed **21 C.**
- (c) Composition —
 - (i) pH value not less than **6.0** or more than **8.5**
 - (ii) ~~Suspended solids not more than~~ **ppm**
 - (iii) ~~Dissolved solids not more than~~ **ppm**
 - (iv) ~~Oil & F.O.D. not more than~~ **ppm**
 - (v) ~~Organic carbon not more than~~ **ppm**
 - (vi) ~~Ammonia Nitrogen (as N) not more than~~ **ppm**
 - (vii) ~~Effluent shall not contain any polluting substance or substances in concentrations toxic to fish and other animals.~~

(c) Sampling point to be located at **point of outlet**

5. PERIOD OF CONSENT

The terms of this consent will not without the consent in writing of the person to whom this consent is given be altered before the expiration of the period ending with the **19th** day of **April** 19**77**

Dated this **18th** day of **April** 19**77**

Clerk of the Authority

Penyfa House,
19 Penyal Lane
Furnace,
LLANELLI
Carmarthenshire
SA15 1ZZ

RECORDED DELIVERY No. **F 394831**

REGISTER OF CONDITIONS

(ENACTED UNDER THE RIVERS (PREVENTION OF POLLUTION) ACT, 1951.)

166 272
S. 1877. 11

Scheme No. **GL11677**

CAT. NO. R.B.12 SHAW & SON LTD., FETTER LANE, E.C.4. V7/1

SOUTH WEST WALES RIVER AUTHORITY
RIVERS (PREVENTION OF POLLUTION) ACTS, 1951-1961

DATE OF APPLICATION **28th February 1962.**

Consent to discharge of effluent.

The South West Wales River Authority pursuant to the provisions of the above mentioned Acts, hereby consent to the construction of an outlet and to the discharge of effluent therefrom upon the following conditions:-

CLASS OR OTHER SUFFICIENT DESCRIPTION OF PREMISES TO WHICH THE CONDITIONS RELATE

Sewage Disposal works.

1. NAME AND ADDRESS OF PERSON to whom consent is given

The Clerk, Pontardawe Rural District Council, Council Offices, Pontardawe, Glam.

2. PREMISES to which consent relates

Swansea Valley Trunk Sewer - Trebanog Sewage Disposal Works.

3. OUTLET

- (a) Location—situated on **right** bank of River **Tawe**, **tributary of the river**.
Map reference **O.S. 21 3570** Grid reference **718 031**
- (b) Construction—**21"** diameter **Pipe**
- (c) Use—restricted to Sewage **from sewage treatment** Effluent produced at the above mentioned premises.

NEW DISCHARGE

CONDITIONS IMPOSED WITH RESPECT TO:-

(i) NATURE AND COMPOSITION OF DISCHARGE
Usually heated domestic sewage conforming to the standards recommended by the Royal Commission on Sewage Disposal.

(ii) TEMPERATURE OF DISCHARGE
Not more than 85°F.

(iii) VOLUME OR RATE OF DISCHARGE OF EFFLUENT FROM LAND OR PREMISES
*Dry weather flow = 437,010 g.p.d. up to 3 + a.w.s.
i.e. 2211,030 g.p.d. because full treatment and the rest 3 + a.w.s. because partial treatment.*

4. DISCHARGE

- (a) Nature **sewage effluent.**
- (b) Volume or rate of discharge **1,312,200 g.p.d. (d.w.f.)**
Maximum rate of discharge **1,675,200 g.p.d. (6 x d.w.f.)**
- (c) Temperature not to exceed **21°C.**
- (d) Composition:-
 - (i) pH value not less than **6.0** or more than **9.5**
 - (ii) Suspended solids not more than **50** p.p.m.
 - (iii) Dissolved solids not more than **100** p.p.m.
 - (iv) 5 day B.O.D. at 20°C. not more than **20** p.p.m.
 - (v) Cyanide absorbed from acid permanganate in **4 mins.** at 20°C. not more than **1** p.p.m.
 - (vi) Ammoniacal nitrogen (as N) not more than **1** p.p.m.
 - (vii) Effluent shall pass the methylene blue stability test **15 days at 20°C.**
 - (viii) Effluent shall not contain any other polluting substance or substances in concentrations toxic to fish and other animals.
soluble toxic metals not to exceed 1 p.p.m.

REMARKS:-
Effluent to be used nitrified.

As waste water from the domestic lamp and Health Factory at Aeltywen, Pontardawe, will also be discharged into your sewer, this effluent should be pre-treated at the factory and cyanide destroyed so that the final effluent to be discharged from the sewage works into the river shall contain not more than 0.1 ppm of cyanide.

Atom waste overflow:-

It is understood that all overflows will lead to the River Tawe and I understand that the overflow at Pontardawe is of a temporary nature only. I should like to emphasize that the overflow is to be made at 6 + a.w.s. of raw sewage contents and this includes industrial wastes and infiltration water.

The terms of this consent will not be altered without the consent in writing of the person to whom it is given and the date of the consent shall be the date of the signature of the Clerk of the Authority.

(c) Sampling point to be located at **Point 2 outlet.**

5. PERIOD OF CONSENT

The terms of this consent will not without the consent in writing of the person to whom this consent is given be altered before the expiration of the period ending with the **31st** day of **July** 19**62**

Dated this **11th** day of **February** 19**62**

This superseded consent issued on 22nd March, 1962.

Clerk of the Authority

NOTICE OF DIRECTION VARYING A TRADE EFFLUENT CONSENT

To: Wall Colmonoy Ltd., Portaradane, (the Occupier)
Alloy Site Industrial Estate,

AND TO Wall Colmonoy Ltd., (the Owner)
Alloy Site Industrial Estate, Portaradane.

WHEREAS: Trade effluent is now discharged from the premises known as

(1) Wall Colmonoy Ltd.,
Alloy Site Industrial Estate, Portaradane
and situate at Alloy Industrial Estate, Portaradane
as the same are for the purposes of identification only shown on the location
plan attached hereto and marked 'A' (hereinafter called "the said trade
premises")

(2) A Trade Effluent Consent (hereinafter called "the Consent") was issued
in respect of the said trade premises on the 19 day of May
1977 by the Welsh National Water Development Authority
Waste Sewage Division

NOW THEREFORE the Welsh Water Authority hereby gives notice of its DIRECTION
that the conditions which have been attached to the Consent shall be varied
by substituting in place of the conditions which have been attached to the
Consent the following conditions which shall take effect as follows:-

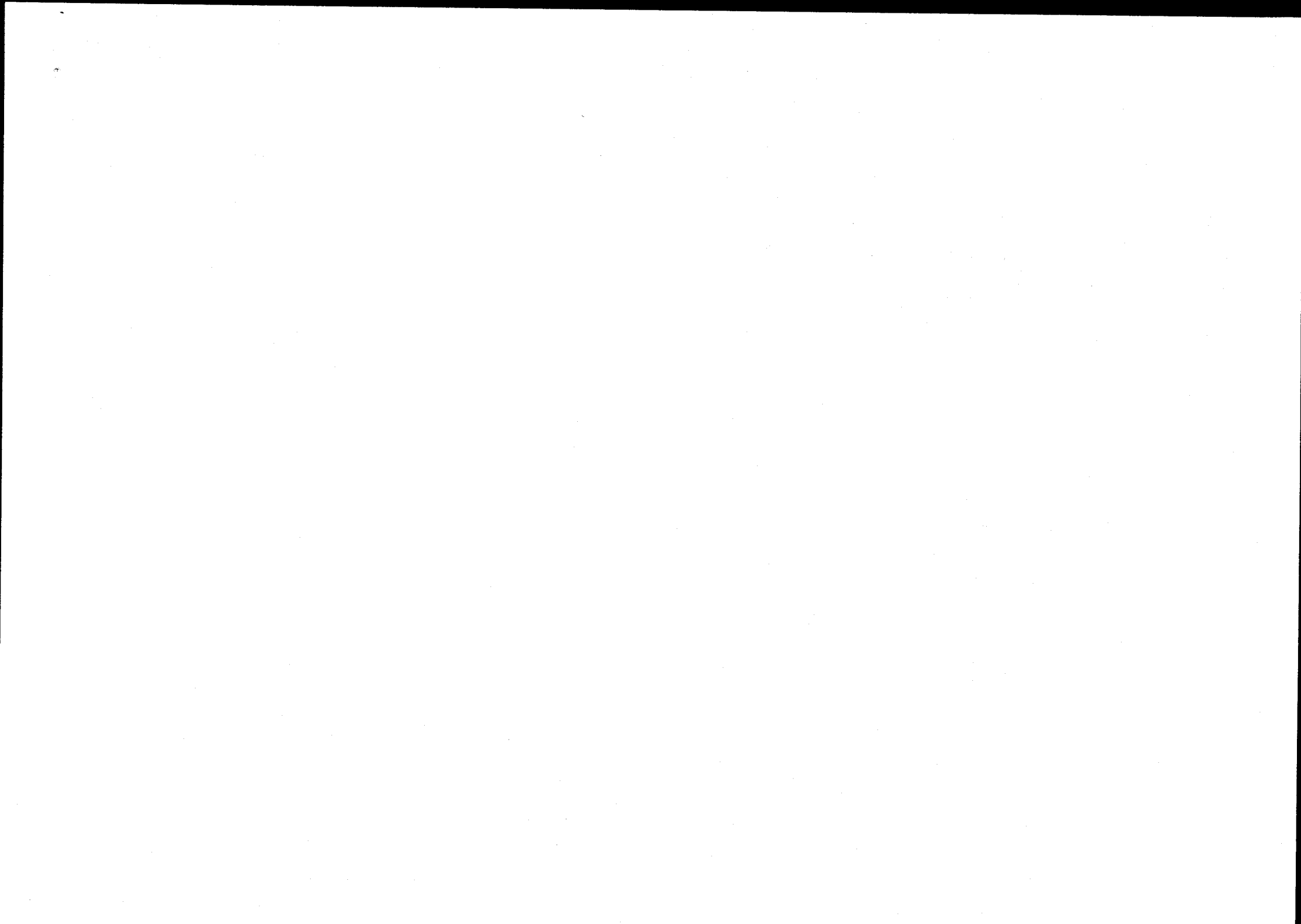
- (1) Condition 15 shall take effect on the 1st day of April 1981
- (2) The remaining conditions shall take effect on the 1st day of June 1981

The Sewer

1. The public sewer(s) into which the trade effluent may be discharged is/
~~are~~ the 22.9 cm diameter foul water sewer(s) more particularly identified
by means of a line(s) coloured red drawn on the said plan attached
hereto and marked 'B' and the said discharge shall be made at the point marked
'X' on the said plan.
2. The trade effluent to be discharged shall consist solely of waste waters
specified in the said trade effluent consent and derived from Manufacture
of Non-Ferrous Alloys.

25th March 81.





Records were last accepted as accurate or correct, whichever is the gauge and recorder or other apparatus has been corrected, whichever is the higher.

13. Records shall be kept of the volume, rate, nature and composition of the trade effluent discharged into the sewer available at all times for inspection by any authorised officer of the Authority and copies of such records shall be sent to the Authority on demand.

14. The Authority shall be notified forthwith in writing of any changes in conditions which are likely to alter the nature or composition of the effluent.

15. (a) (i) Payment for the treatment and disposal of the trade effluent shall be made to the Authority by way of charges determined in accordance with the statutory provisions relating to them. The charges shall be at rates per cubic metre of the trade effluent. Payment shall be made subsequent to the discharge of the trade effluent to which it relates by any person who is or was the occupier of the premises during the period of discharge of the trade effluent or at the date payment is due. (ii) Payment for the treatment and disposal of the trade effluent shall be on demand and made at such intervals and in respect of such period or periods as the Authority by resolution may determine.

(b) (i) The charge per cubic metre of trade effluent will be calculated in accordance with the following formula:-

$$C = R + V + \frac{O_t}{O_s} B + \frac{S_t}{S_s} S$$

Where

C = Total charge per cubic metre of trade effluent.

R = The amount determined by the Authority as the average cost to the Authority for the year of charge of receiving one cubic metre of sewage (other than surface water) into its sewers and conveying same to its treatment works or outfalls.

V = The amount determined by the Authority as the average cost to the Authority for the year of charge of preliminary and primary treatment of one cubic metre of sewage at the Authority's treatment works.

O_t = The Chemical Oxygen Demand (COD) of the trade effluent in milligrams per litre (mg/l) after one hour's quiescent settlement at pH7.

O_s = The estimated average Chemical Oxygen Demand (COD) of settled sewage in milligrams per litre (mg/l) at the Authority's works as determined by the Authority for the year of charge.

B = The amount determined by the Authority as the average cost to the Authority for the year of charge of biological treatment



large sewage treatment works.

Ss = The total suspended solids in milligrams per litre (mg/l) of the trade effluent at pH7.

Ss = The estimated average amount of suspended solids in milligrams per litre (mg/l) in sewage received for treatment at the Authority's works as determined by the Authority for the year of charge.

S = The amount determined by the Authority as the average cost to the Authority for the year of charge of the treatment and disposal of primary sludge per cubic metre of sewage at the Authority's large sewage treatment works.

(11) The Authority shall by the suppliers of the premises from which trade effluent is discharged, of the factors in the above formula on which the Authority's trade effluent charges will be based, for each year of charge, prior to 1st April in any year.

15. Any breach of any of the conditions herein contained shall be a contravention of a direction or condition for the purposes of sub-section (5) of Section 2 of the Public Health (Drainage of Trade Premises) Act 1937.

DATED 25th day of MARCH 1961

For and on behalf of the Authority

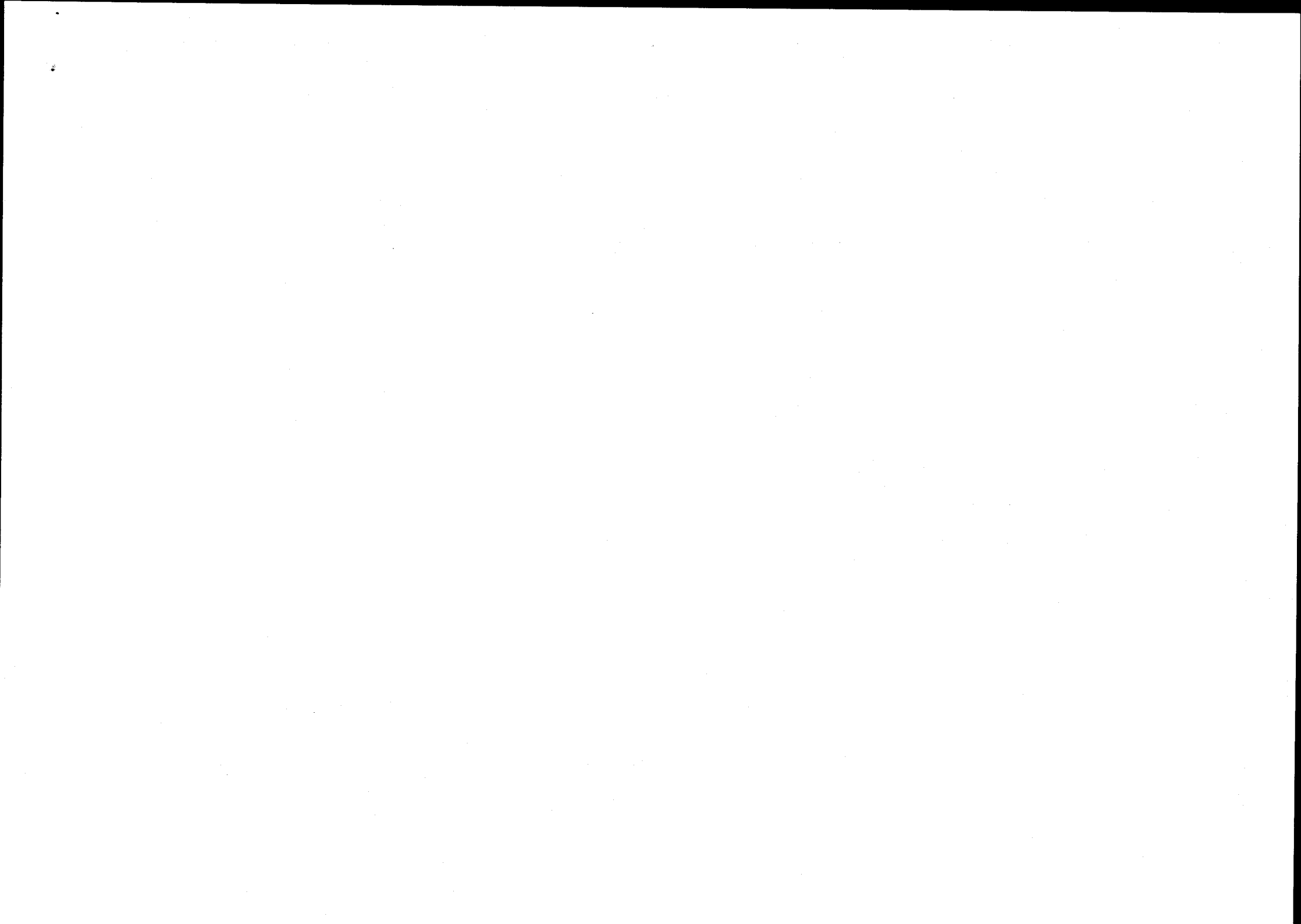
Designation

D. N. W. EARP
DIVISIONAL MANAGER
GOWER DIVISION
WELSH WATER AUTHORITY
86 THE KINGSWAY
SWANSEA. SA1 5JL

Address of Division

NOTE

1. Your attention is drawn to Section 52 of the Control of Pollution Act 1974 which gives powers to the Secretary of State to make Orders applying Sections 30 and 31 of the Water Act 1973 (as amended by the Water Charges Act 1976) (which among other things relates to charges for facilities provided by Water Authorities and to schemes for the payment of charges) to discharges of trade effluent made or authorised to be made by the above Direction and such Order may affect the charging provisions of this Direction and include provision for appeals to the Secretary of State in respect of charges payable to the Authority.
2. Your attention is also drawn to Section 60(5) of the Public Health Act 1961 which gives you a right of Appeal to the Secretary of State for the Environment/Wales.



1. The trade effluent shall have a pH value of not less than 6 nor greater than 10 at the point of entry into the sewer.
2. Toxic metals and their compounds shall not exceed the following concentrations (expressed as milligrams per litre of the metal):-

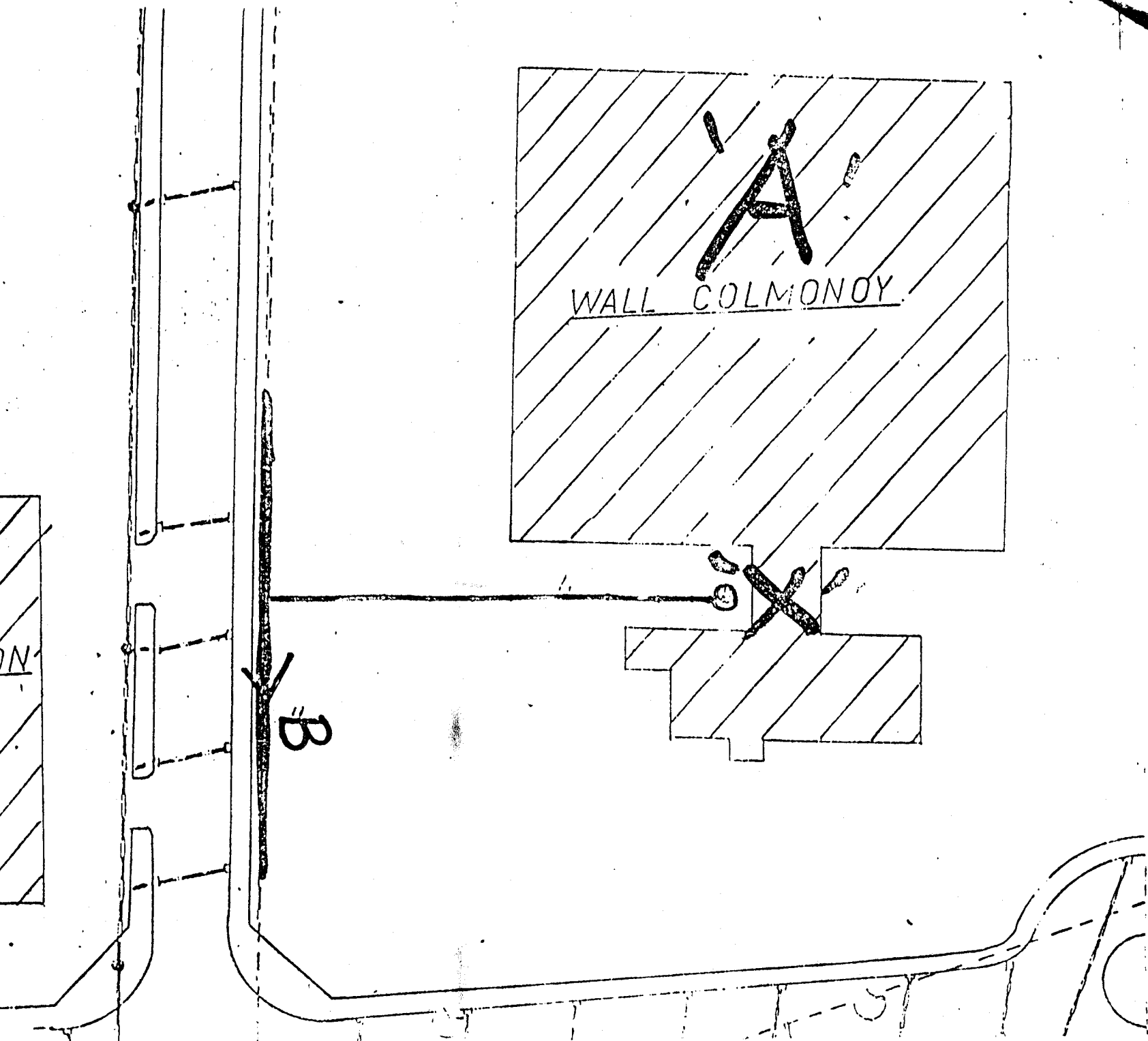
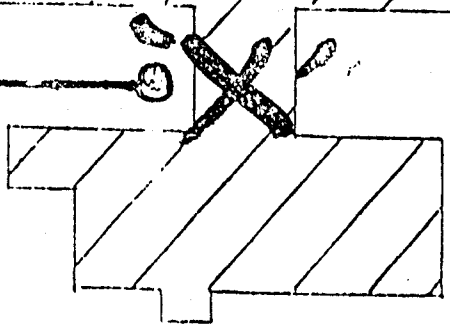
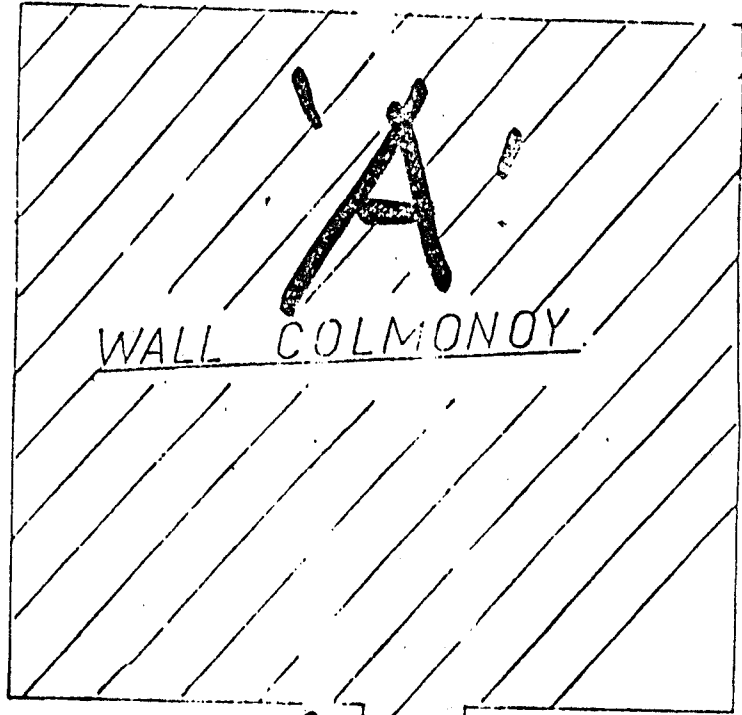
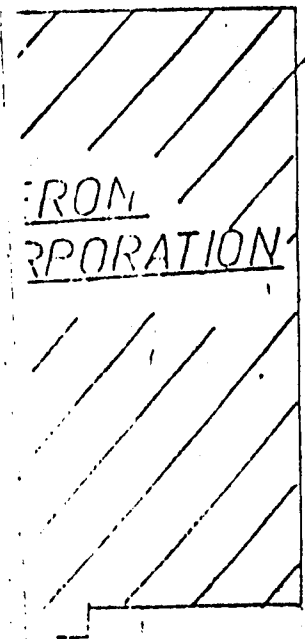
	<u>Soluble</u> <u>Compounds</u>	<u>Total Soluble</u> <u>and Insoluble</u> <u>Compounds</u>
	<u>5</u>	<u>10</u>

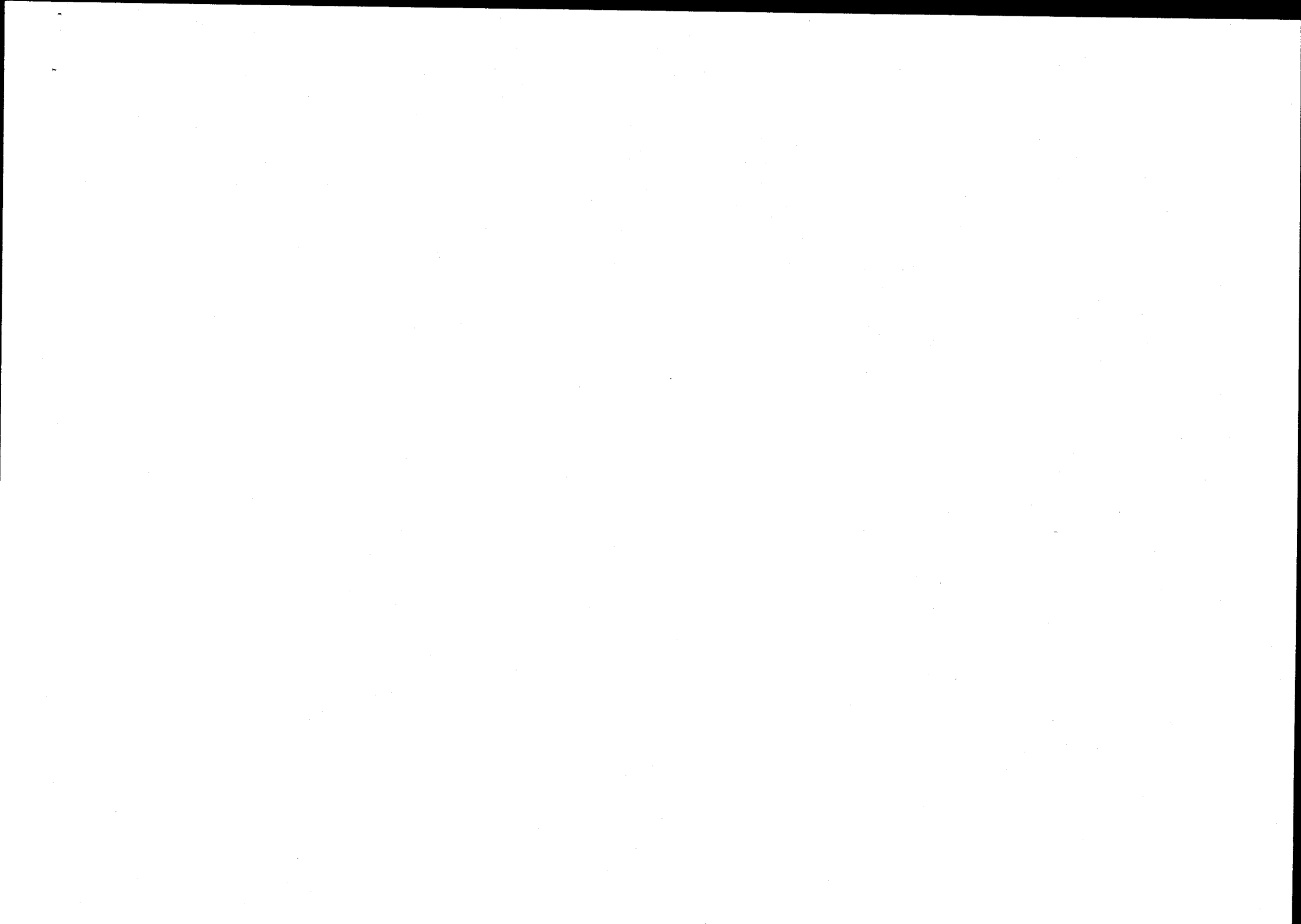
TOTAL METALS

	<u>2</u>	<u>5</u>
Copper	<u>2</u>	<u>1</u>
Lead	<u>2</u>	<u>5</u>
Nickel	<u>2</u>	<u>5</u>

3. ~~...~~
4. shall not exceed 5 milligrams per litre (expressed as S).
5. Free or emulsified grease or oil shall not exceed 30 milligrams per litre.
6. ~~...~~ shall not exceed 400 milligrams per litre.
7. Total suspended solids of the trade effluent ~~...~~ shall not exceed 400 milligrams per litre.
8. The chemical oxygen demand of the trade effluent ~~...~~ shall not exceed 400 milligrams per litre.
9. Special conditions (if any):
FREE CHLORINE 1 MILLIGRAM PER LITRE







PUBLIC HEALTH ACT 1936
PUBLIC HEALTH (DRAINAGE OF TRADE PREMISES) ACT, 1937
PUBLIC HEALTH ACT 1961
WATER ACT 1973
CONTROL OF POLLUTION ACT 1974

NOTICE OF DIRECTION VARYING A TRADE EFFLUENT CONSENT

To: **Compair Industrial Ltd.,** EP13 5SF (the Occupier)
Broomwade Works, High Wycombe, Bucks

AND TO **Compair Industrial Ltd.,** (the Owner)
Broom Wade Works, High Wycombe, Bucks HP13 5SF

WHEREAS:

(1) Trade effluent is now discharged from the premises known as **Lepton Works,**

and situate at **Yatalyfera, Swansea SA9 2EB** as the same are for the purposes of identification only shown on the location plan attached hereto and marked 'A' (hereinafter called "the said trade premises")

(2) A Trade Effluent Consent (hereinafter called "the Consent") was issued in respect of the said trade premises on the **9** day of Sept. 1975 by the **Welsh National Water Development Authority** **Levee Sewage Division**

NOW THEREFORE the Welsh Water Authority hereby gives notice of its DIRECTION that the conditions which have been attached to the Consent shall be varied by substituting in place of the conditions which have been attached to the Consent the following conditions which shall take effect as follows:-

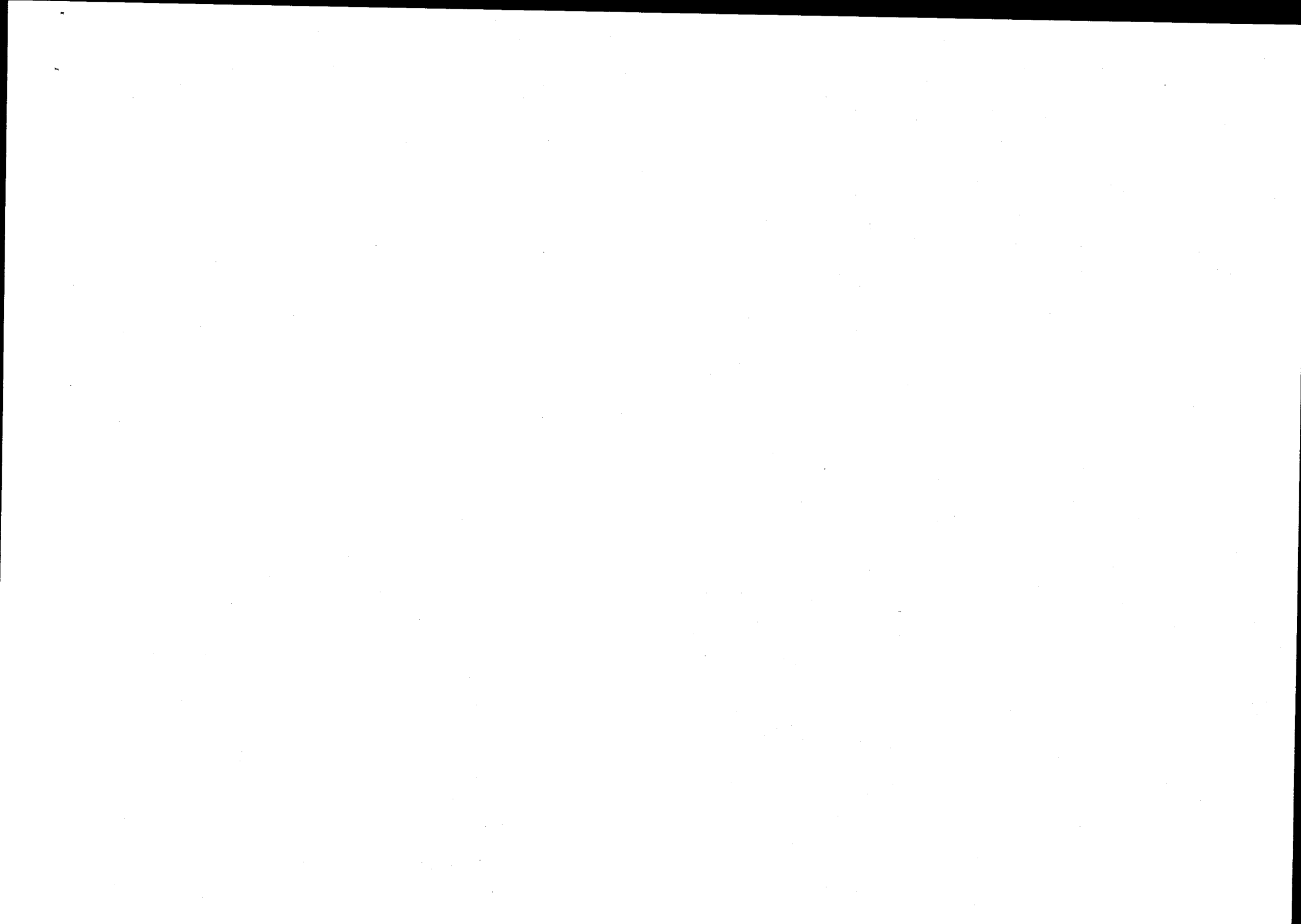
(1) Condition 15 shall take effect on the 1st day of April 1981 **June**

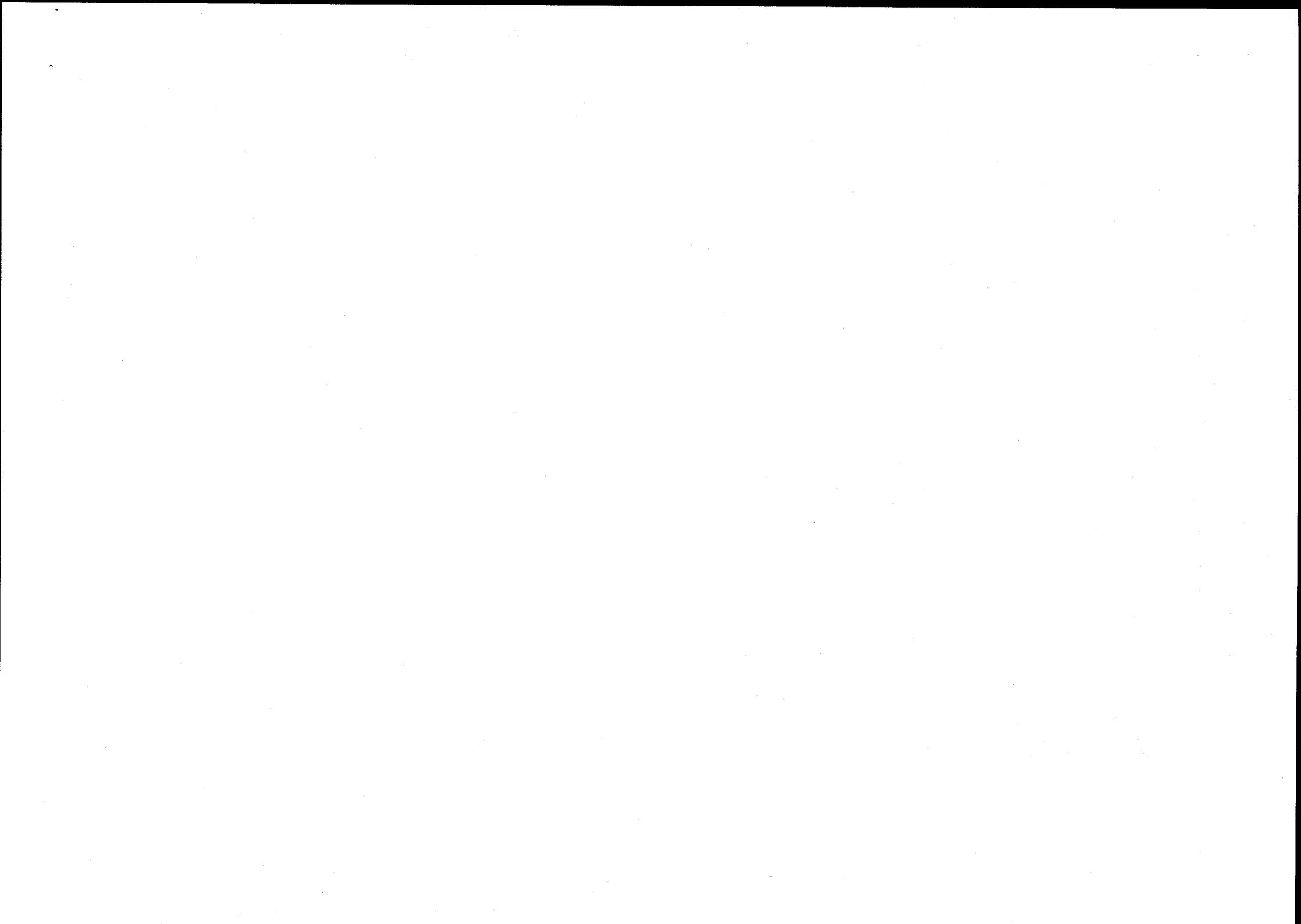
(2) The remaining conditions shall take effect on the 1st day of ~~May~~ 1981

The Sewer 1. The public sewer(s) into which the trade effluent may be discharged is/ are the **38.1** diameter foul water sewer(s) more particularly identified by means of a line(s) coloured **red** drawn on the said plan attached hereto and marked 'B' and the said discharge shall be made at the point marked 'X' on the said plan.

2. The trade effluent to be discharged shall consist solely of waste waters specified in the said trade effluent consent and derived from **Light Engineering Practice and Black Anodising of Components**

DWR
24.3.81





the gauge and recorder or other apparatus has been corrected, whichever is the higher.

13. Records shall be kept of the volume, rate, nature and composition of the trade effluent discharged into the sewer available at all times for inspection by any authorised officer of the Authority and copies of such records shall be sent to the Authority on demand.

14. The Authority shall be notified forthwith in writing of any changes in conditions which are likely to alter the nature or composition of the effluent.

15. (a) (i) Payment for the treatment and disposal of the trade effluent shall be made to the Authority by way of charges determined in accordance with the statutory provisions relating to them.

The charges shall be at rates per cubic metre of the trade effluent. Payment shall be made subsequent to the discharge of the trade effluent to which it relates by any person who is or was the occupier of the premises during the period of discharge of the trade effluent or at the date payment is due.

(ii) Payment for the treatment and disposal of the trade effluent shall be on demand and made at such intervals and in respect of such period or periods as the Authority by resolution may determine.

(b) (i) The charge per cubic metre of trade effluent will be calculated in accordance with the following formula:-

$$C = R + V + \frac{O_t}{O_s} B + \frac{S_t}{S_s} S$$

Where

C = Total charge per cubic metre of trade effluent.

R = The amount determined by the Authority as the average cost

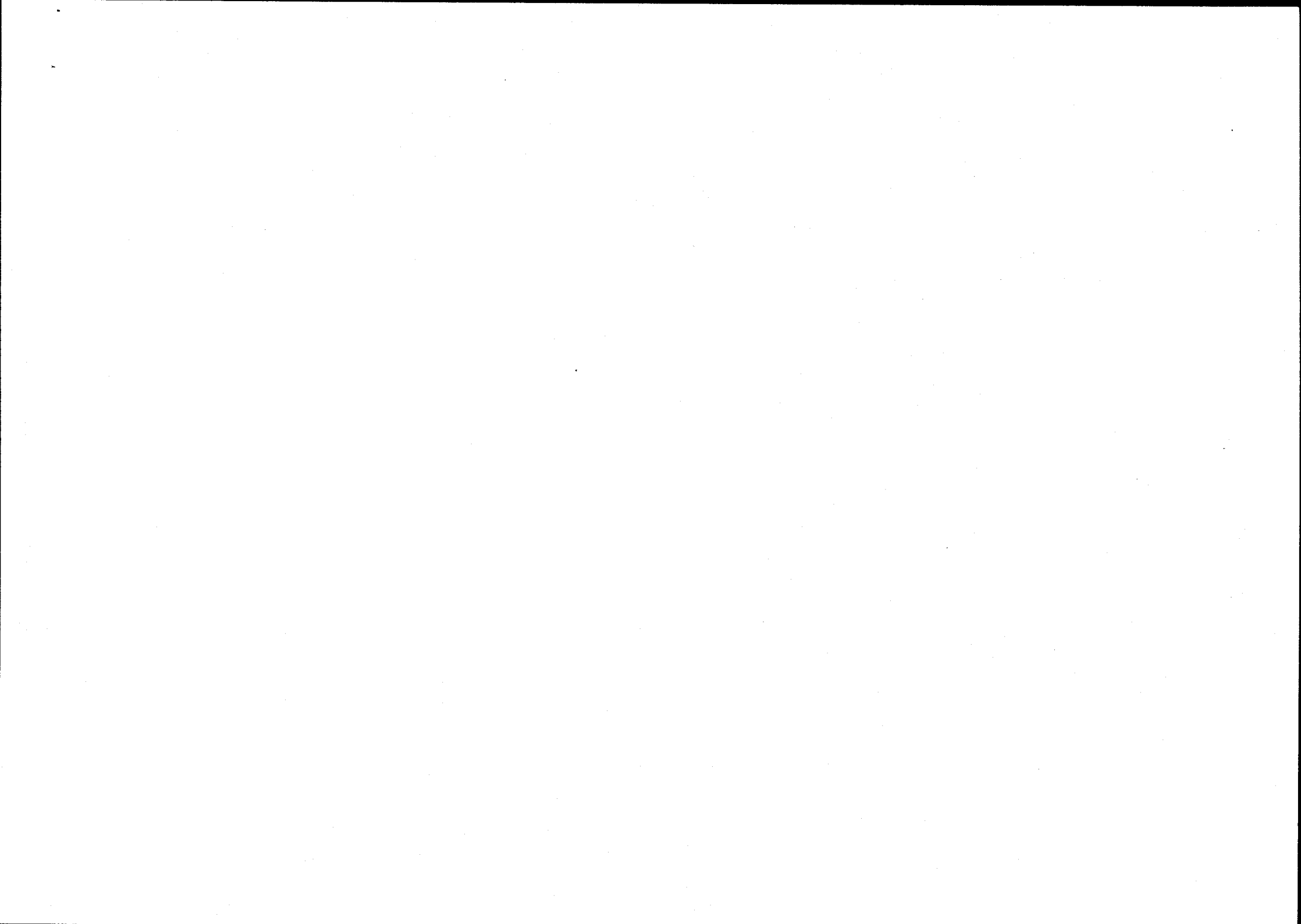
to the Authority for the year of charge of receiving one cubic metre of sewage (other than surface water) into its sewers and conveying same to its treatment works or outfalls.

V = The amount determined by the Authority as the average cost to the Authority for the year of charge of preliminary and primary treatment of one cubic metre of sewage at the Authority's treatment works.

O_t = The Chemical Oxygen Demand (COD) of the trade effluent in milligrams per litre (mg/l) after one hour's quiescent settlement at pH7.

O_s = The estimated average Chemical Oxygen Demand (COD) of settled sewage in milligrams per litre (mg/l) at the Authority's works as determined by the Authority for the year of charge.

B = The amount determined by the Authority as the average cost to the Authority for the year of charge of biological treatment



1/51 = The total suspended solids in milligrams per litre (mg/l) of the trade effluent at pH7.

55 = The estimated average amount of suspended solids in milligrams per litre (mg/l) in sewage received for treatment at the Authority's works as determined by the Authority for the year of charge.

5 = The amount determined by the Authority as the average cost to the Authority for the year of charge of the treatment and disposal of primary sludge per cubic metre of sewage at the Authority's large sewage treatment works.

(ii) The Authority will notify the occupiers of the premises from which trade effluent is discharged, of the factors in the above formula on which the Authority's trade effluent charges will be based, for each year of charge, prior to 1st April in any year. Any breach of any of the conditions herein contained shall be a contravention of a direction or condition for the purposes of sub-section (5) of Section 2 of the Public Health (Drainage of Trade Premises) Act 1937.

DATED 19th day of 17 APRIL 1964

For and on behalf of the Authority
D. N. W. EARP

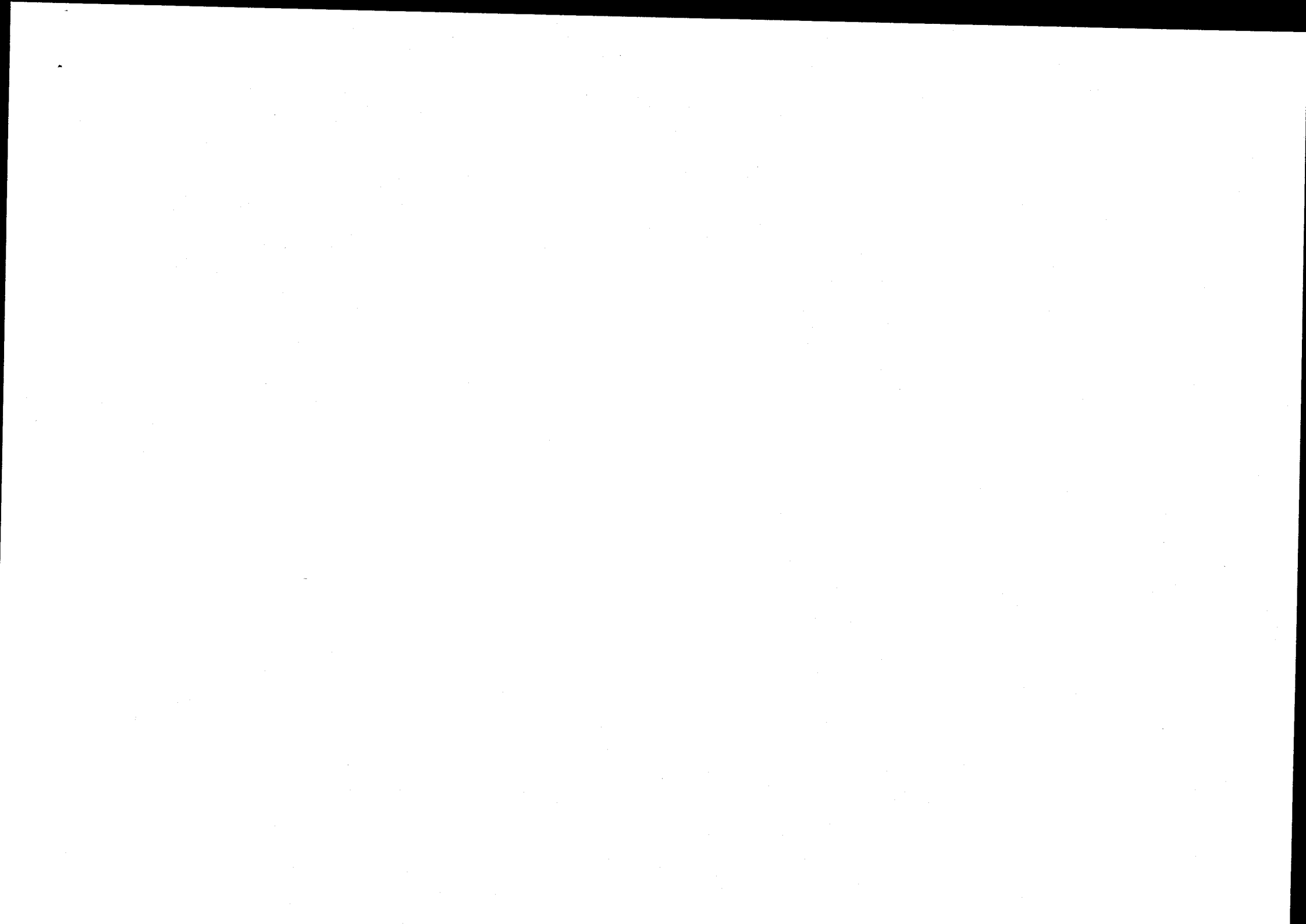
D. N. W. EARP
DIVISIONAL MANAGER
GOWER DIVISION
WELSH WATER AUTHORITY
86 THE KINGSWAY
SWANSEA, SA1 5JL

Address of Division

Designation

NOTE Your attention is drawn to Section 52 of the Control of Pollution Act 1974

1. which gives powers to the Secretary of State to make Orders applying Sections 30 and 31 of the Water Act 1973 (as amended by the Water Charges Act 1976) (which among other things relates to charges for facilities provided by Water Authorities and to schemes for the payment of charges) to discharges of trade effluent made or authorised to be made by the above Direction and such Order may affect the charging provisions of this Direction and include provision for appeals to the Secretary of State in respect of charges payable to the Authority.
2. Your attention is also drawn to Section 60(5) of the Public Health Act 1961 which gives you a right of Appeal to the Secretary of State for the Environment/Wales.



APPENDIX

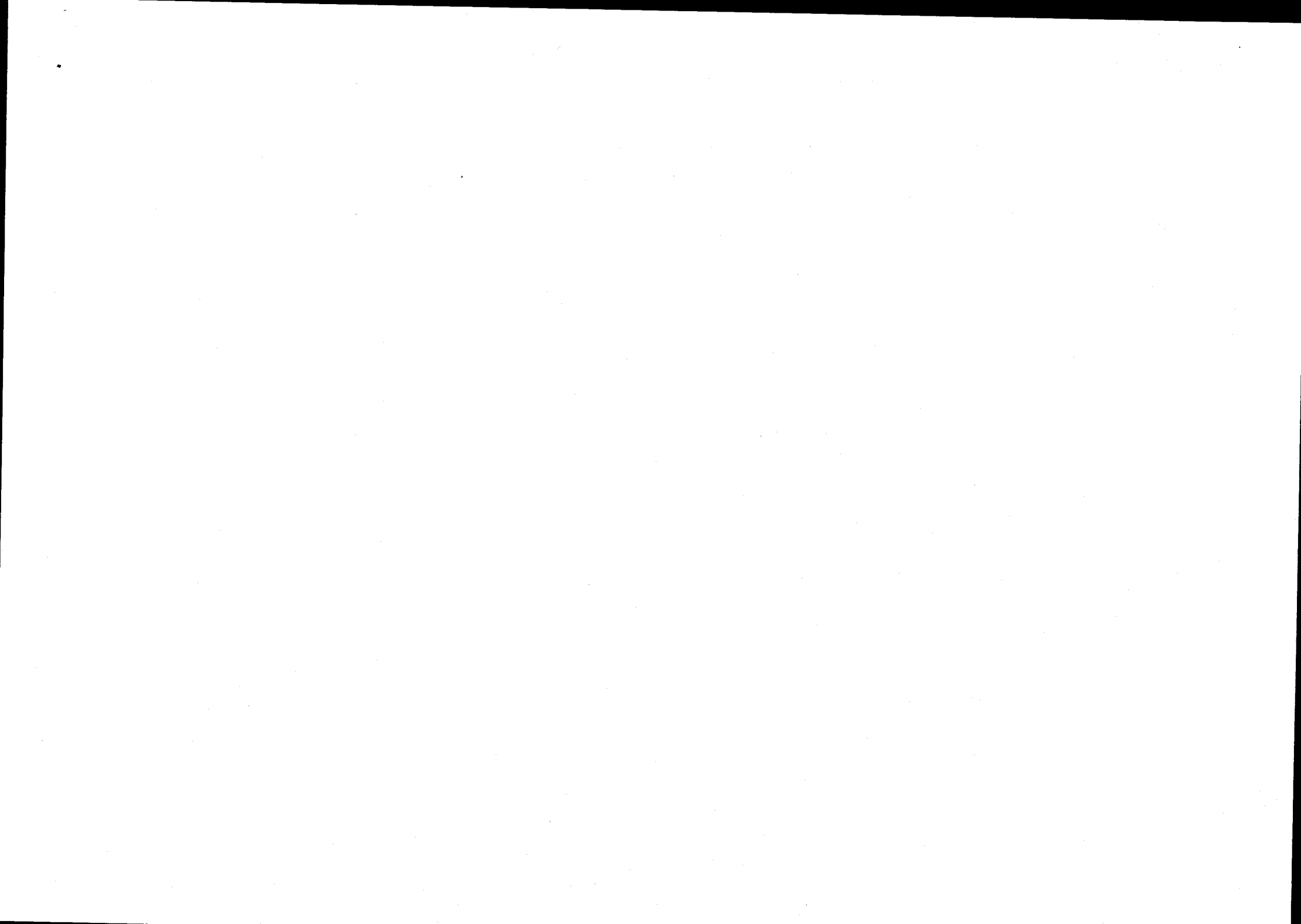
1. The trade effluent shall have a pH value of not less than 6 nor greater than 10 at the point of entry into the sewer.
2. Toxic metals and their compounds shall not exceed the following concentrations (expressed as milligrams per litre of the metal):-

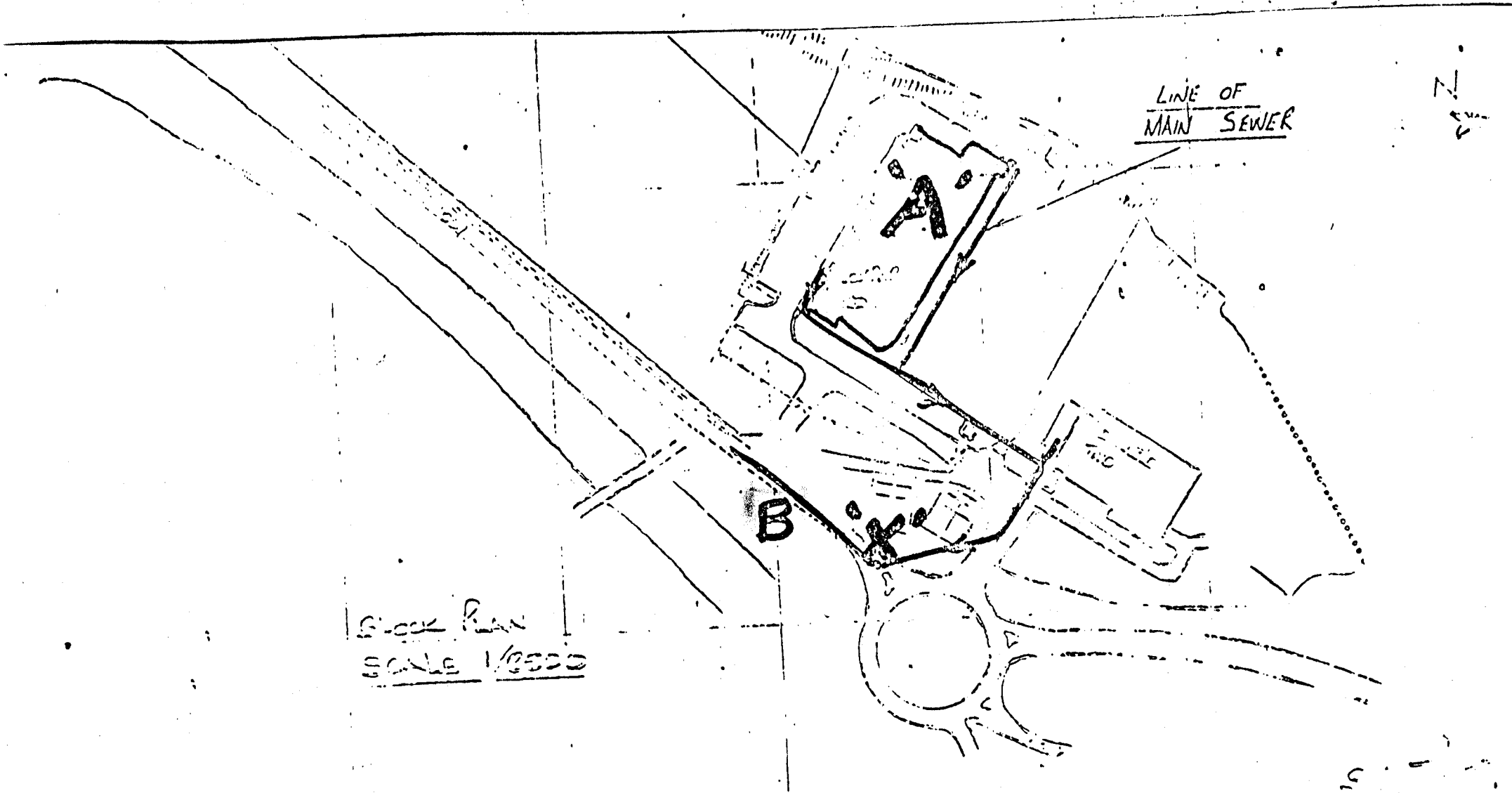
<u>Soluble</u> <u>Compounds</u>	<u>Total Soluble</u> <u>and Insoluble</u> <u>Compounds</u>
5 mg/l	5 mg/l

TOTAL METALS

[REDACTED]

3. [REDACTED]
4. [REDACTED] compounds with pH above 12 shall not exceed 30 milligrams per litre.
5. Free or emulsified grease or oil shall not exceed 30 milligrams per litre.
6. [REDACTED] shall not exceed
7. Total suspended solids of the trade effluent 400 milligrams per litre.
8. The chemical oxygen demand of the trade effluent 400 milligrams per litre shall not exceed
9. Special conditions (if any):
SYNTHETIC DETERGENTS (CAS MONOXOL-OT) SHALL NOT EXCEED 30 mg/l





City of London
 Surveyors
 100, Abchurch Lane
 London E.C. 4
 Telephone 01-403 9000
 Fax 01-403 9001

DRAWING NO. 100
 PART NAME
 PART NO. 100

PROJECT NO. 100
 DESCRIPTION
 DRAWING NO. 100
 CP NO. 100

Received by Engineering Dept



DWR CYMRU CYFYNGEDIG

WATER INDUSTRY ACT 1991

CONSENT TO THE DISCHARGE OF TRADE EFFLUENT
TO THE PUBLIC FOUL WATER SEWER

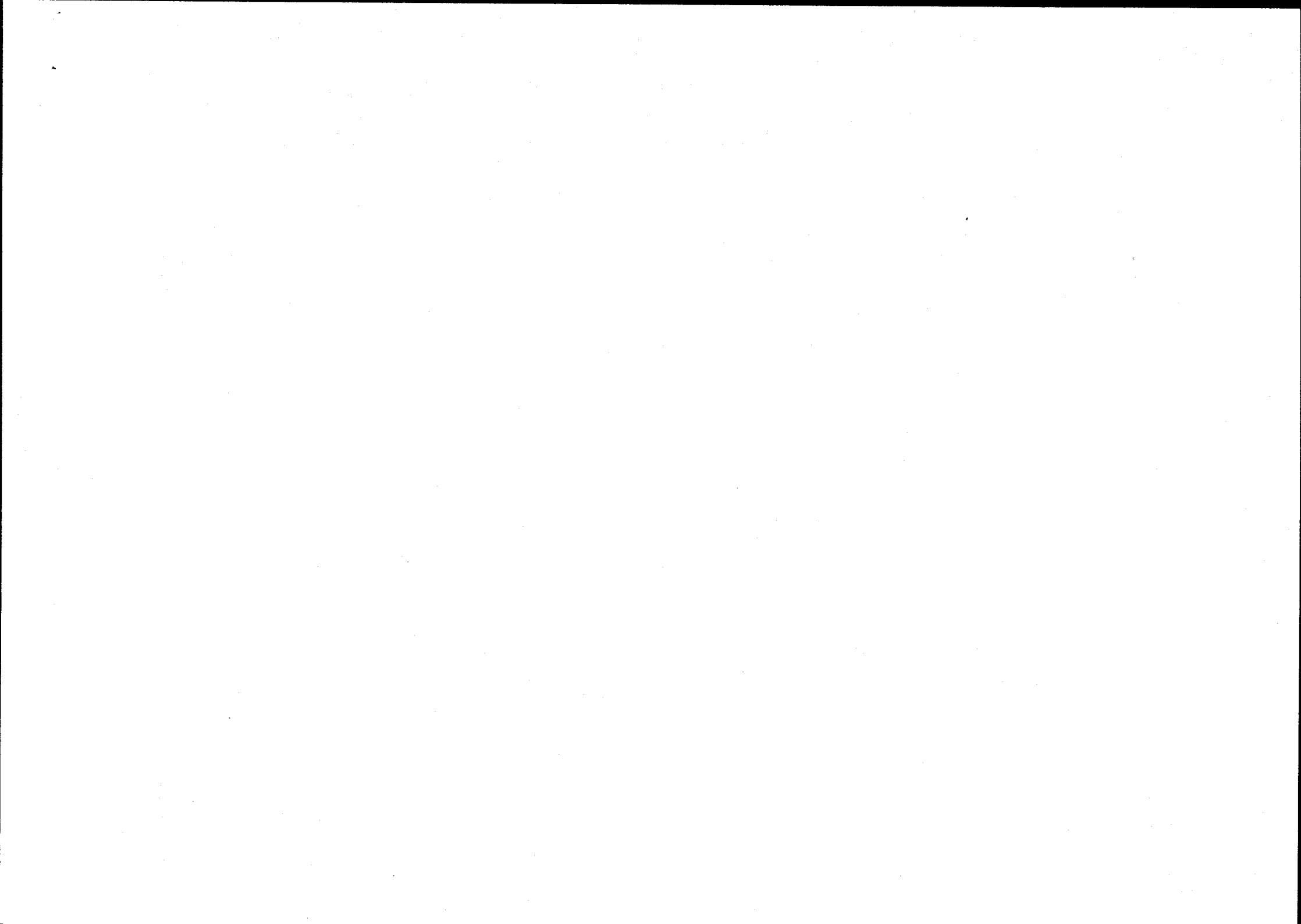
To: SLICE AND DICE

the owner and/or occupier of the trade premises hereinafter described (hereinafter called "the occupiers") whose registered office is situated at UNIT 1, CWTVAWE BUSINESS PARK, ALLDY IND. EST., PONTARDAWE, SWANSEA

On the 25th day of November 1993 a trade effluent notice was, in pursuance of the provisions of the Water Industry Act 1991, served by the Occupiers on Dwr Cymru Cyf. (hereinafter called "the Company") in respect of the trade premises known as SLICE AND DICE and situated at UNIT 1, CWTVAWE BUSINESS PARK, ALLDY IND EST, PONTARDAWE, SWANSEA and as the same are for the purpose of identification only shown on the location plan attached hereto and marked 'A' (hereinafter called "the said trade premises") the Company HEREBY CONSENTS to the discharge of trade effluent from the said trade premises into the public foul water sewers subject to the following conditions and not otherwise:

The Sewer

1. The public sewer into which the trade effluent may be discharged is the 150 mm diameter foul water sewer more particularly identified by means of a line coloured red drawn on the said plan attached hereto and marked 'B' and the said discharge shall be made at a point marked 'X' on the said plan.
 2. The trade effluent to be discharged shall consist solely of waste waters specified in the said trade effluent notice and derived from the preparation, washing and peeling of raw Vegetables for.
- Maximum Volume of Discharge
-
3. The maximum volume of trade effluent to be discharged on any one day of 24 hours shall not exceed 10 cubic metres.



Maximum rate of discharge

4. The highest rate at which the trade effluent may be discharged shall not exceed 2 cubic metres per hour.

Period of discharge

5. There shall be no restriction on the period of discharge.

Chemical and biochemical conditions of acceptance

6. There shall be eliminated from the trade effluent before it is discharged to the sewer the matters listed below:-

- (a) Effluents with a temperature in excess of 43 degrees Centigrade (110 degrees Fahrenheit).

- (b) Calcium Carbide.

- (c) Petroleum Spirit.

Inflammable solvent, vapours etc.

7. There shall be excluded from the discharge of trade effluent any substances which in its pure state or in combination with other materials in the sewage would produce flammable or toxic vapours.

8. No uncontaminated condensing or cooling water shall be discharged to the public sewer.

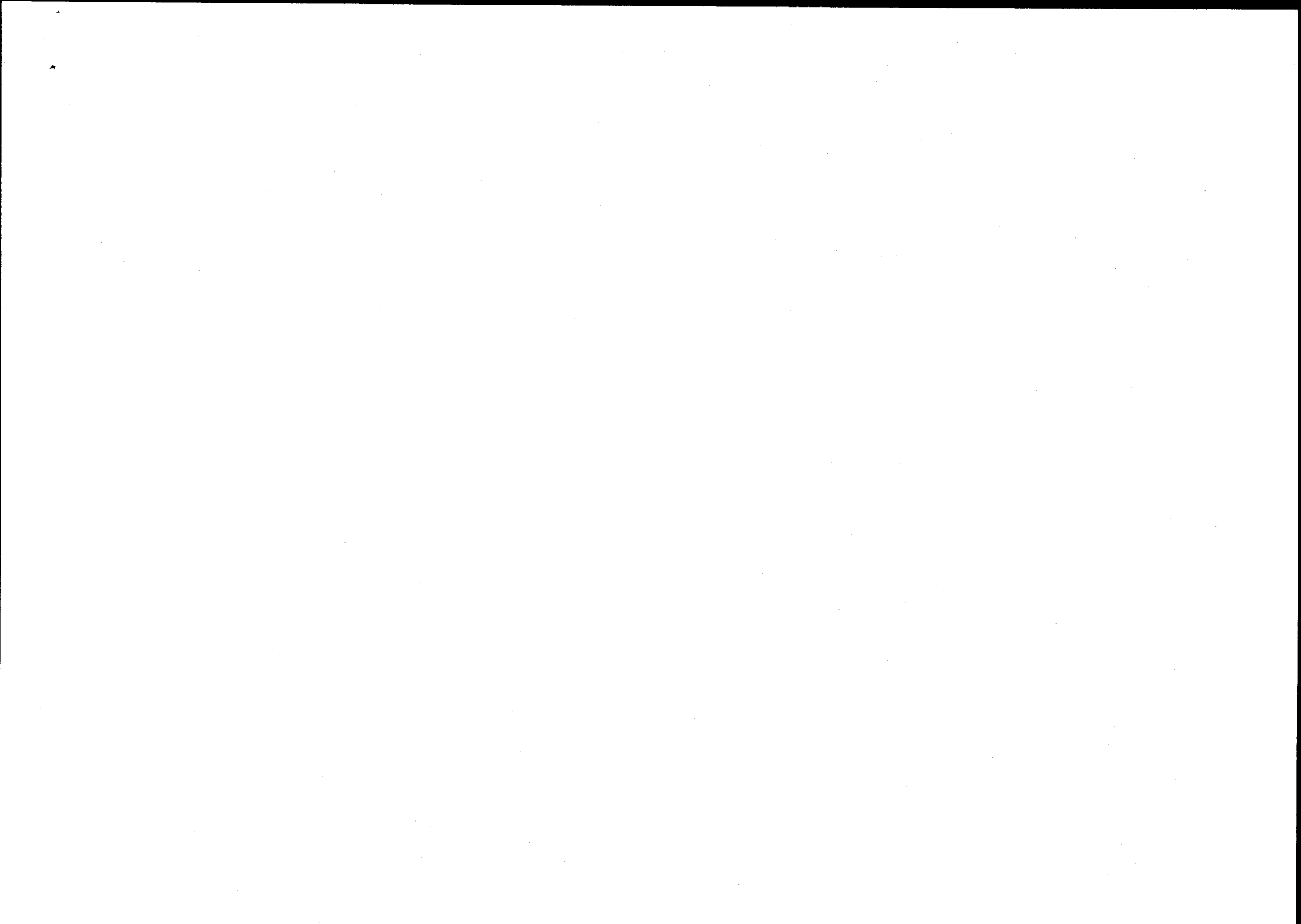
9. The trade effluent shall not include any of the substances or properties listed in the Appendix in concentration greater than those stated.

10. The trade effluent shall not contain any other matter likely to injure the sewers either alone or in combination with the contents of the sewers or interfere with the free flow of their contents or affect prejudicially the treatment and disposal of their contents.

11. There shall be provided and maintained by the Occupier in connection with each pipe through which only trade effluent is discharged to the public sewer:-

- (i) An inspection chamber or manhole such as will enable a person readily to take at any time samples of the trade effluent discharged.

- (ii) A notch gauge and continuous recorder or some other apparatus suitable and adequate to the Company for measuring and automatically recording the volume and rate of trade effluent so discharged.



111) Apparatus capable of accurately determining and recording the nature and composition of the trade effluent discharged.

12. If the notch gauge and the recorder or other apparatus ceases to record or is suspected of not measuring or recording correctly, the quality of trade effluent discharged on each day into the public foul sewer during the period from the date on which the records of the volume of trade effluent discharged into the public foul water sewer were last accepted by the Company as being correct up to the date when the gauge and the recorder or other apparatus again registers correctly, shall unless otherwise agreed by the Company be deemed to be the same quantity as the average daily volume of trade effluent discharged during the period of one month preceding the date on which the said records were last accepted as aforesaid or during the month immediately after the gauge and recorder or other apparatus has been corrected, whichever is the higher.

13. Records shall be kept of the volume, rate, nature and composition of the trade effluent discharged into the sewer available at all times for inspection by any authorised officer of the Company and copies of such records shall be sent to the Company on demand.

14. The Company shall be notified forthwith in writing of any changes in conditions which are likely to alter the nature or composition of the effluent.

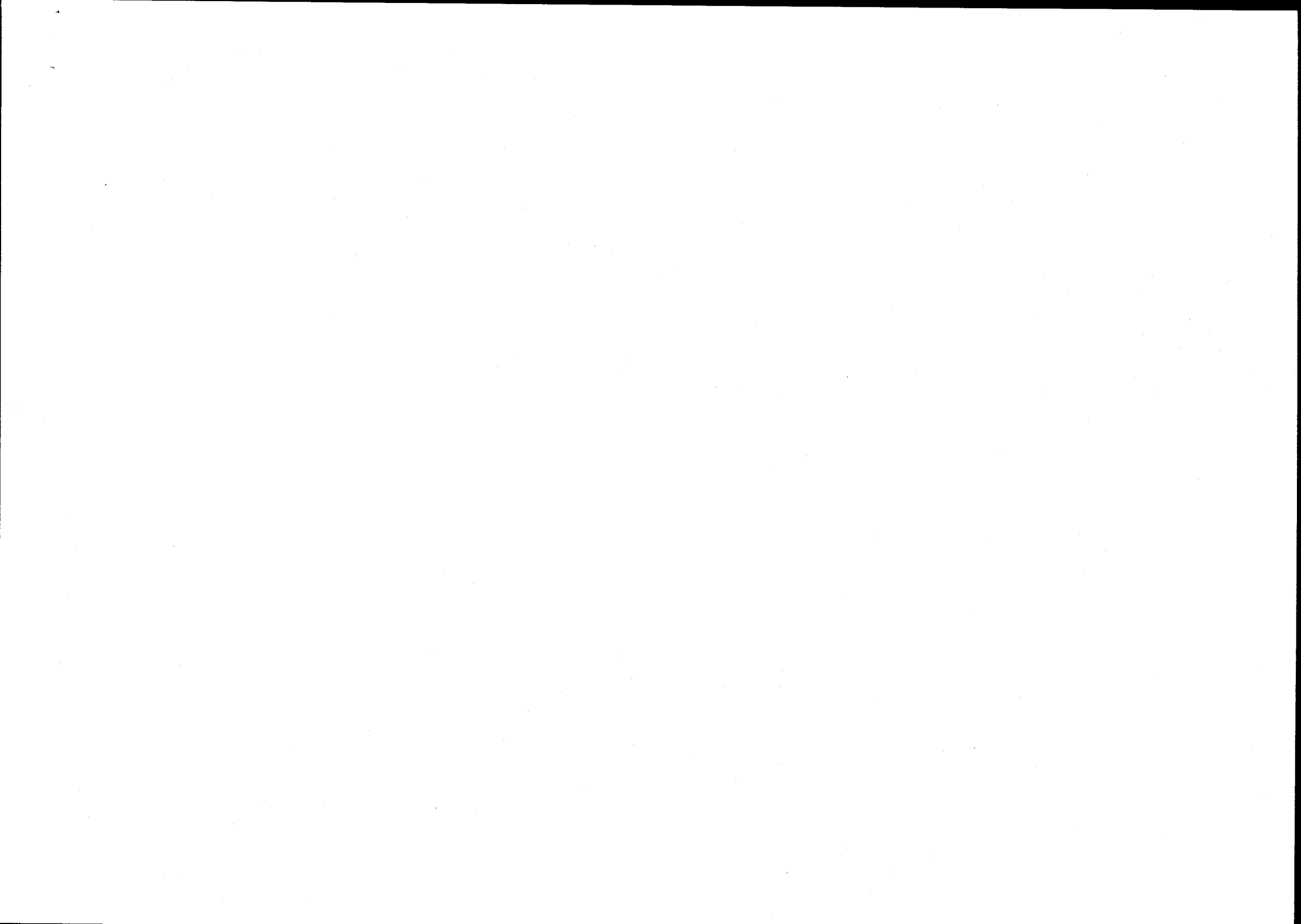
Payment of Charges

15.(a)(1) Payment for the treatment and disposal of the trade effluent shall be made to the Company by way of charges determined in accordance with statutory provisions relating to them. The charges shall be paid at rates per cubic metre of the trade effluent to which it relates by any person who is or was the occupier of premises during the period of discharge of the trade effluent or at the date payment is due.

(11) Payment for the treatment and disposal of the trade effluent shall be on demand and made at such intervals and in respect of such period or periods as the Company by resolution may determine.

(b)(1) The charge per cubic metre of trade effluent will be calculated in accordance with the following formula:-

$$C - R + V + Vb + \frac{Ot \times B}{Os} + \frac{St \times B}{Ss}$$



C - Total charge per cubic metre of trade effluent

R- The amount determined by the Company as the average cost to the Company for the year of charge for receiving one cubic metre of sewage (other than surface water) into its sewers and conveying the same to its treatment works or outfalls.

V- The amount determined by the Company as the average cost to the Company for the year of charge of preliminary and primary treatment of one cubic metre of sewage at the Company's treatment works.

Vb- The amount determined by the Company as the average cost to the Company for the year of charge of the pumping and settlement elements of biological treatment of one cubic metre of sewage at the Company's treatment works.

B - The amount determined by the Company as the average cost to the Company for the year of charge of biological treatment, excluding pumping and settlement, of one cubic metre of sewage at the Company's large sewage treatment works.

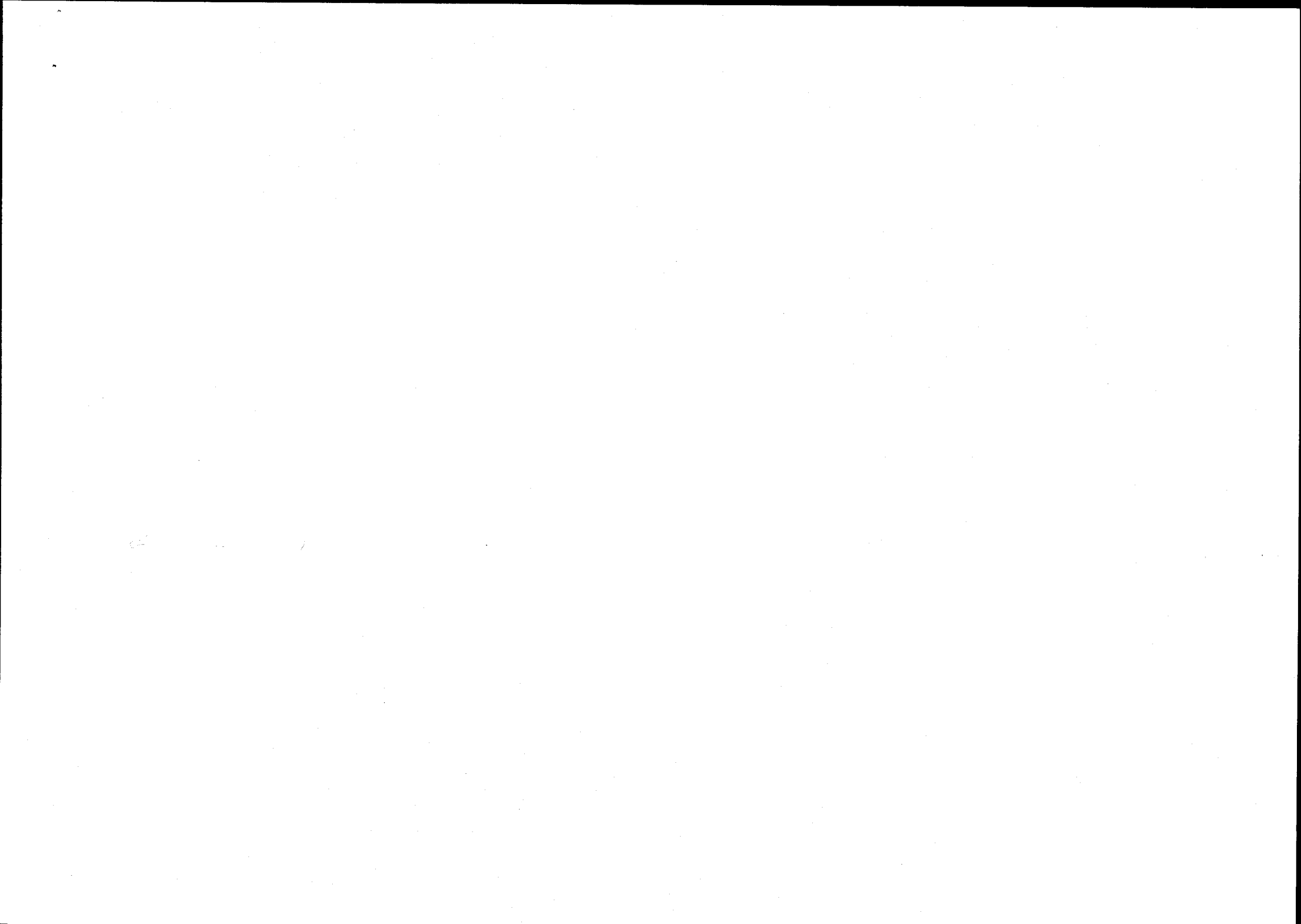
S - The amount determined by the Company as the average cost to the Company for the year of charge for the treatment and disposal of primary sludge per cubic metre of sewage at the Company's large sewage treatment works.

Oc- The Chemical Oxygen Demand in milligrams per litre of the trade effluent after one hour quiescent settlement.

Os- The average Chemical Oxygen Demand in milligrams per litre of settled sewage treated at the Company's large sewage treatment works.

St- The suspended solids in milligrams per litre of the trade effluent.

Ss- The average suspended solids in milligrams per litre of sewage received at the Company's large sewage treatment works.

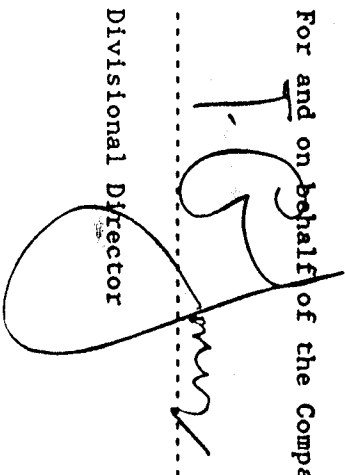


(11) Providing that if the total annual charge payable based on the formula contained in (b)(1) above does not exceed the amount of the Minimum Charge for Trade Effluent as determined by the Company as at the date of the demand for payment then the charge to the occupier shall be the amount of the minimum charge.

16. Any breach of any of the conditions herein contained shall be a contravention of a direction or condition for the purposes of sub-section (5) of Section 121 of the Water Industry Act 1991.

DATED: The 15th day of December 1993

For and on behalf of the Company

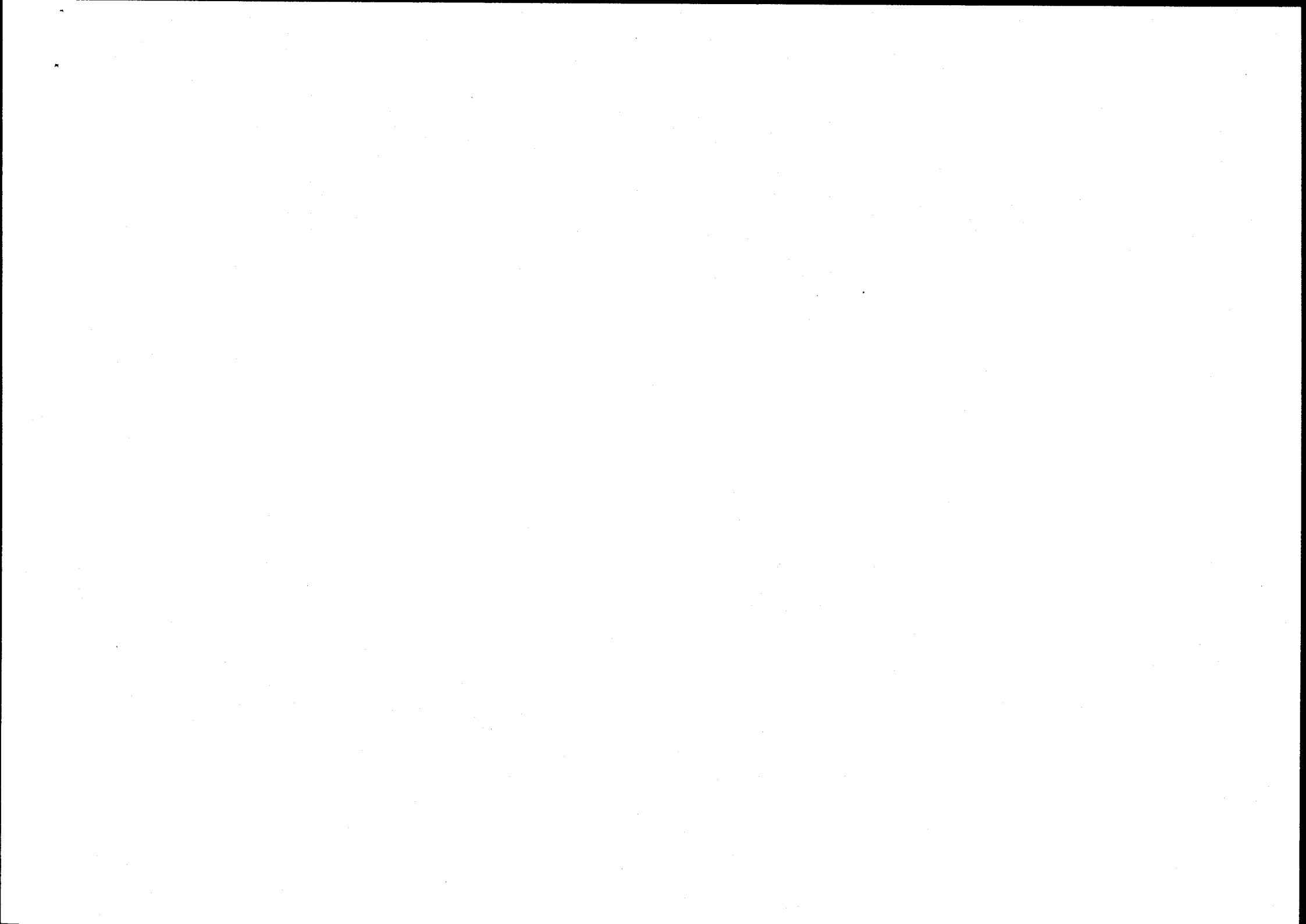


Divisional Director

Dwr Gymru Welsh Water
South Western Division
Ffynnon Menter
Phoenix way
Enterprise Park
Llansamlet
Swansea

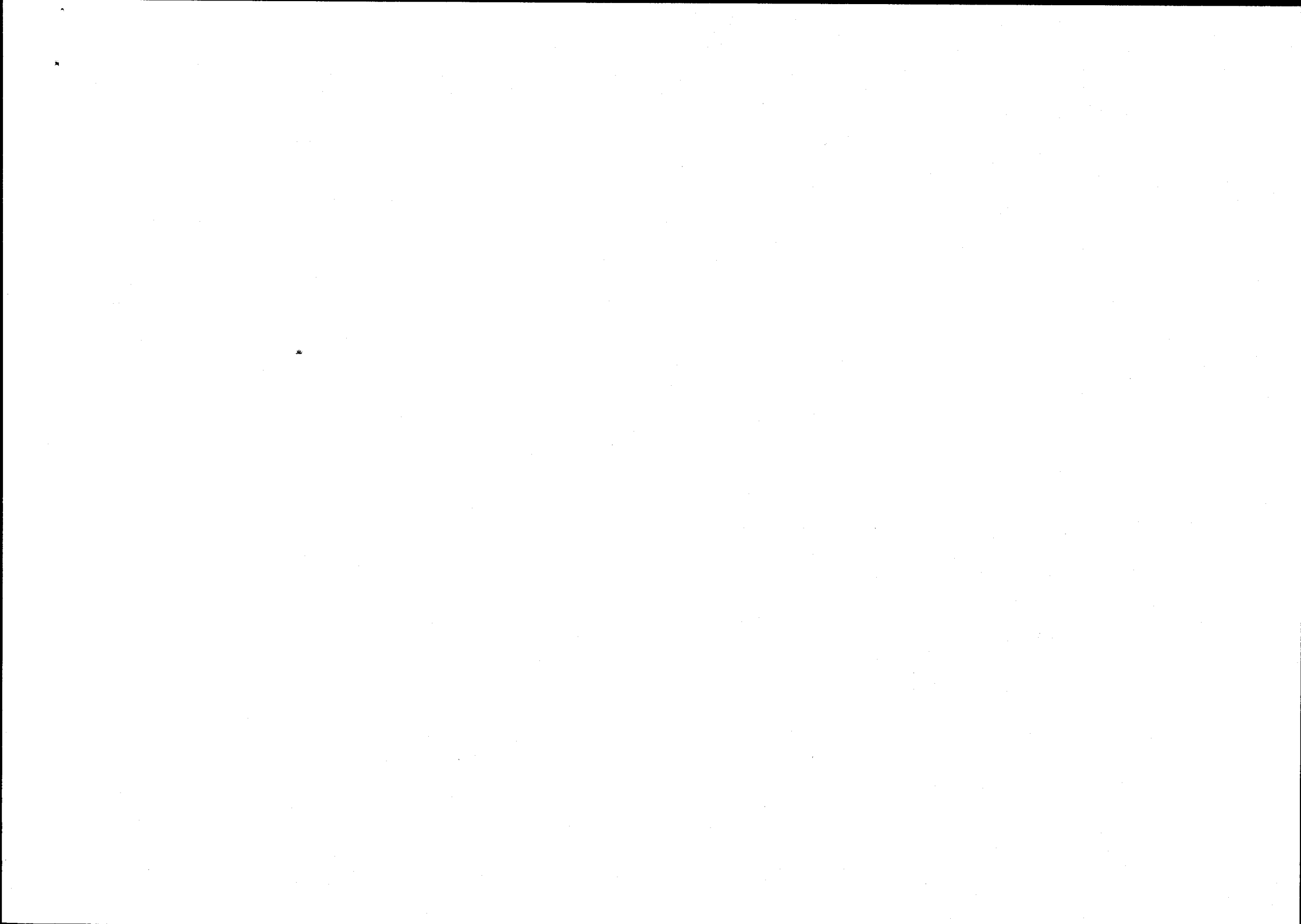
NOTE

1. Your attention is drawn to Section 122 of the Water Industry Act 1991 which gives you the right of Appeal to the Director General of Water Services.

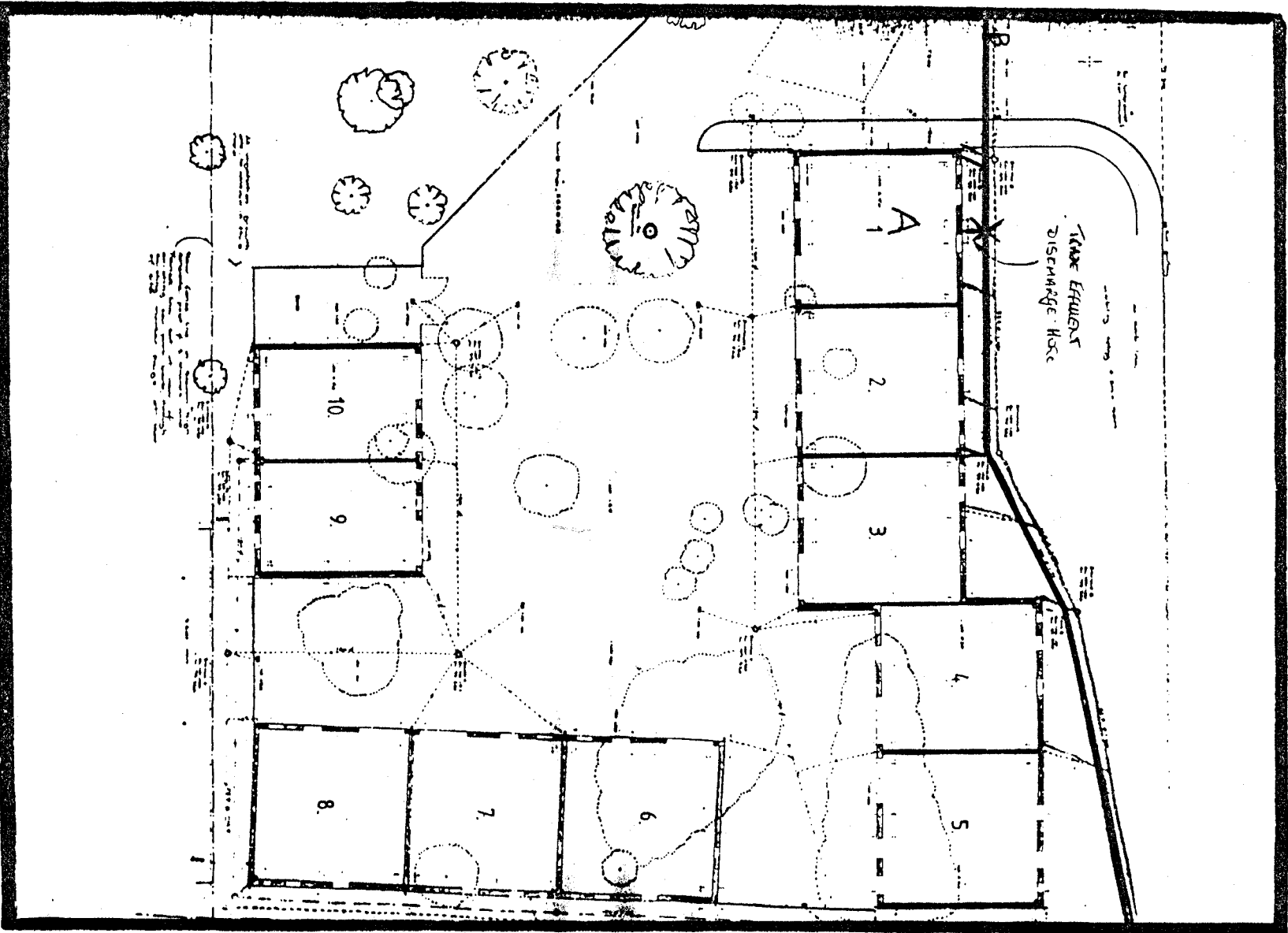


APPENDIX

- (1) The Trade Effluent shall have a pH value of not less than 6.0 nor greater than 10.0 at the point of entry into the sewer.
- (2) Total suspended solids shall not exceed 500 mg/l.
- (3) Total free or emulsified oil or grease concentration shall not exceed 50 mg/l.
- (4) Prescribed substances as defined by The Trade Effluent (Prescribed Processes and Substances) Regulations 1989 SI 1156 shall not be present at higher than background concentrations.



FOR IDENTIFICATION ONLY



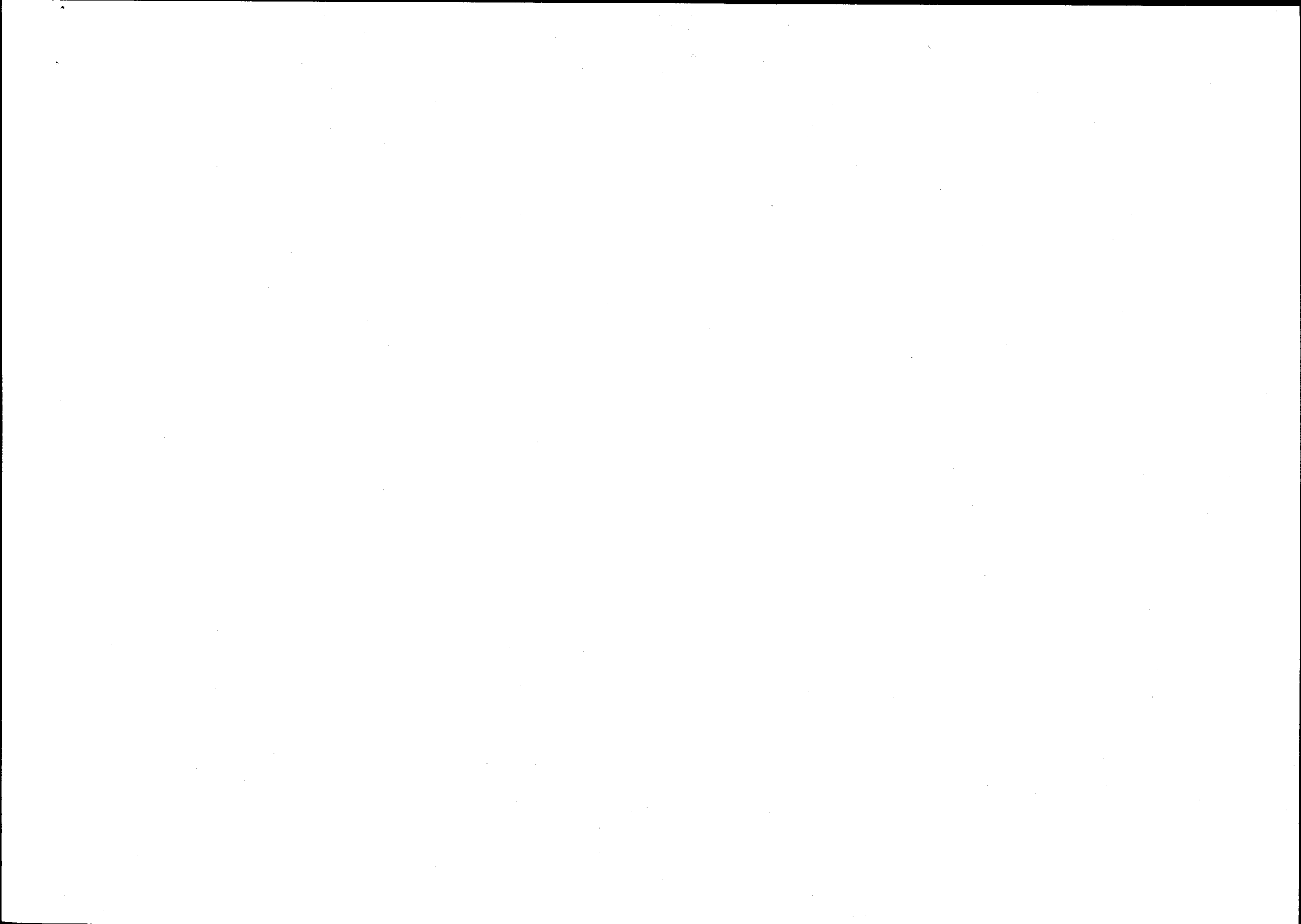
LlIW VALLEY BOROUGH COUNCIL

CIVIC CENTRE
PENILLERGAER
SWANSEA SA4 1GH
Telephone (0792) 893081
Fax: (0792) 890588

O.S.No

Grid ref.

REPRODUCED FROM THE ORDNANCE SURVEY
MAP WITH THE PERMISSION OF THE
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OFFICE. CROWN COPYRIGHT RESERVED.



**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
ENVIRONMENT QUALITY SCIENTIST
PLAS-Y-FFYNNON
CAMBRIAN WAY
BRECON LD3 7HP

NB: For a body corporate the job title is a point of contact.

The **Environment Agency** ("the Agency") hereby confirm that the above named person is a/the registered holder of consent **BC0016601** Consent issued: 06-JUN-97

Nature of Discharge(s): **SEWAGE EFF/TREATED EFF/CONTINUOUS**
at
TREBANOS STW, TREBANOS, SWANSEA

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: BC0016601

Name: DWR CYMRU CYFYNGEDIG

Consent Issued: 06-JUN-97

Address:

ENVIRONMENT QUALITY SCIENTIST
PLAS-Y-FFYNNON
CAMBRIAN WAY
BRECON LD3 7HP

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):

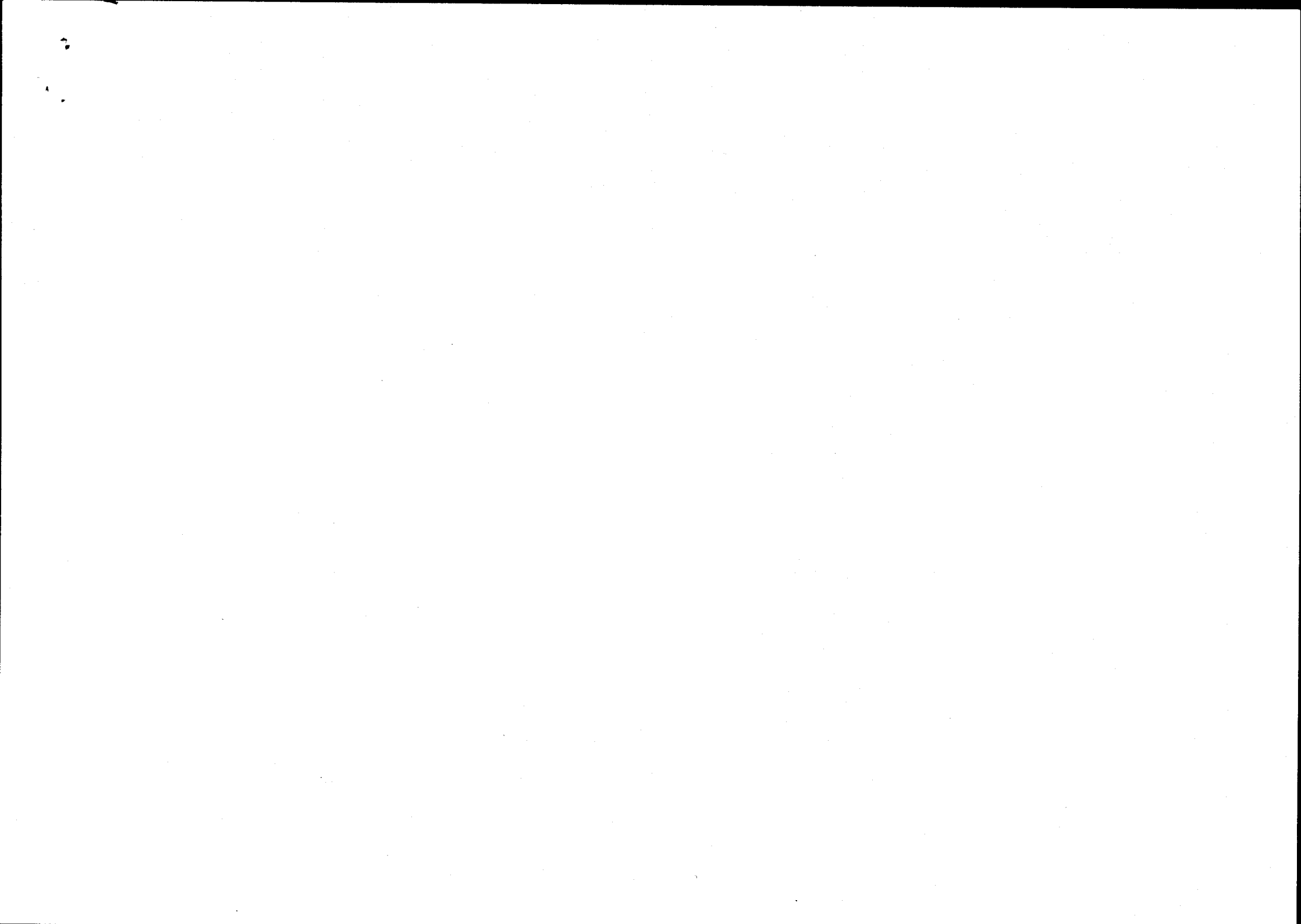
Signed:

Dated:

Name (block capitals)

Position:







ASIANTAETH YR
AMGYLCHEDD CYMRU
ENVIRONMENT
AGENCY WALES

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

Date: 14th March 2000

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

**KEVIN THOMAS
WATER QUALITY MANAGER WALES**

Asiantaeth yr Amgylchedd Cymru
Plas-yr-Afon, Parc Busnes Llanelwng, Llanelwng, Caerdydd, CF3 0EY
Ffôn: 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.	BC0016601
SCHEDULE NO.	BC001660101

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)	7.	Aldrin
6.	Pentachlorophenol (PCP)	9.	Endrin
8.	Dieldrin	11.	Hexachlorobenzene (HCB)
10.	Isodrin	13.	Chloroform
12.	Hexachlorobutadiene (HCBDD)	15.	Dichlorvos
14.	Polychlorinated biphenyls	17.	Trichlorobenzene
16.	1,2-Dichloroethane	19.	Simazine
18.	Atrazine	21.	Triphenyltin compounds
20.	Tributyltin compounds	23.	Fenitrothion
22.	Trifluralin	25.	Malathion
24.	Azinphos-methyl	27.	Lead
26.	Endosulfan	29.	Zinc
28.	Chromium	31.	Nickel
30.	Copper	33.	*Iron
32.	Arsenic	35.	*Boron
34.	*pH outside range 5.5 to 9.0	37.	PCSDS
36.	Vanadium	39.	Sulcofuron
38.	Cyfluthrin	41.	Permethrin
40.	Fluocofuron	43.	2-Chlorophenol
42.	4-Chloro-3-methyl-phenol	45.	2,4-D (ester)
44.	2,4-Dichlorophenol	47.	1,1,1-Trichloroethane
46.	2,4-D (non ester)	49.	Bentazone
48.	1,1,2-Trichloroethane	51.	Biphenyl
50.	Benzene	53.	Demeton
52.	Chloronitrotoienes	55.	Linuron
54.	Dimethoate	57.	Mecoprop
56.	MCPA	59.	Napthalene
58.	Mevinphos	61.	Toluene
60.	Omethoate	63.	Xylene
62.	Triazophos	65.	Azinphos-ethyl
64.	Cyanide	67.	Parathion
66.	Fenthion	69.	Trichloroethylene
68.	Parathion-methyl	71.	Dioxins
70.	Tetrachloroethylene	73.	Nonyl phenol
72.	PAHs	75.	Di-ethylhexyl phthalate
74.	Nonyl phenyl ethoxyate	77.	Diazinon
76.	Bisphenol-A	79.	Chlorotoluron
78.	Chlorfenvinphos	81.	Diuron
80.	Isoproturon	83.	Flumethrin
82.	Propetamphos	85.	High-Cis Cypermethrin
84.	Amitraz	87.	Deltamethrin
86.	Cyromazine		
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.



ASIANTAETH YR
AMGYLCHEDD
ENVIRONMENT
AGENCY

Eich cyf/Your ref. 2/EQ/BC0016601/AJW
Ein cyf/Our ref.

Dyddiad/Date: 12th June 1997

The Environment Quality Scientist
Dwr Cymru Cyfyngedig
Plas y Ffynnon
Cambrian Way
BRECON
LD3 7HP

Dear Sir/Madam

**RE: WATER RESOURCES ACT 1991 SECTION 88 SCHEDULE 10 (AS AMENDED)
BY THE ENVIRONMENT ACT 1995)
APPLICATION FOR VARIATION OF CONSENT TO DISCHARGE**

Further to your application for variation of consent of the Agency to discharge under the provisions of Section 88 of the Water Resources Act 1991, I enclose the Agency's formal notice of the variations made to the conditions of the consent to discharge biologically treated sewage effluent from Trebanos Sewage Treatment Works to the River Tawe.

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. This charge is based on information derived from the conditions attached to the consent to discharge, as outlined in the enclosed leaflet. A change in conditions may therefore result in a change in annual charge, you may therefore receive a revised bill in due course.

If you are not satisfied with the new conditions of the consent you may appeal against the decision to the Secretary of State for Wales at the Welsh Office, Cathays Park, Cardiff CF1 3NQ.

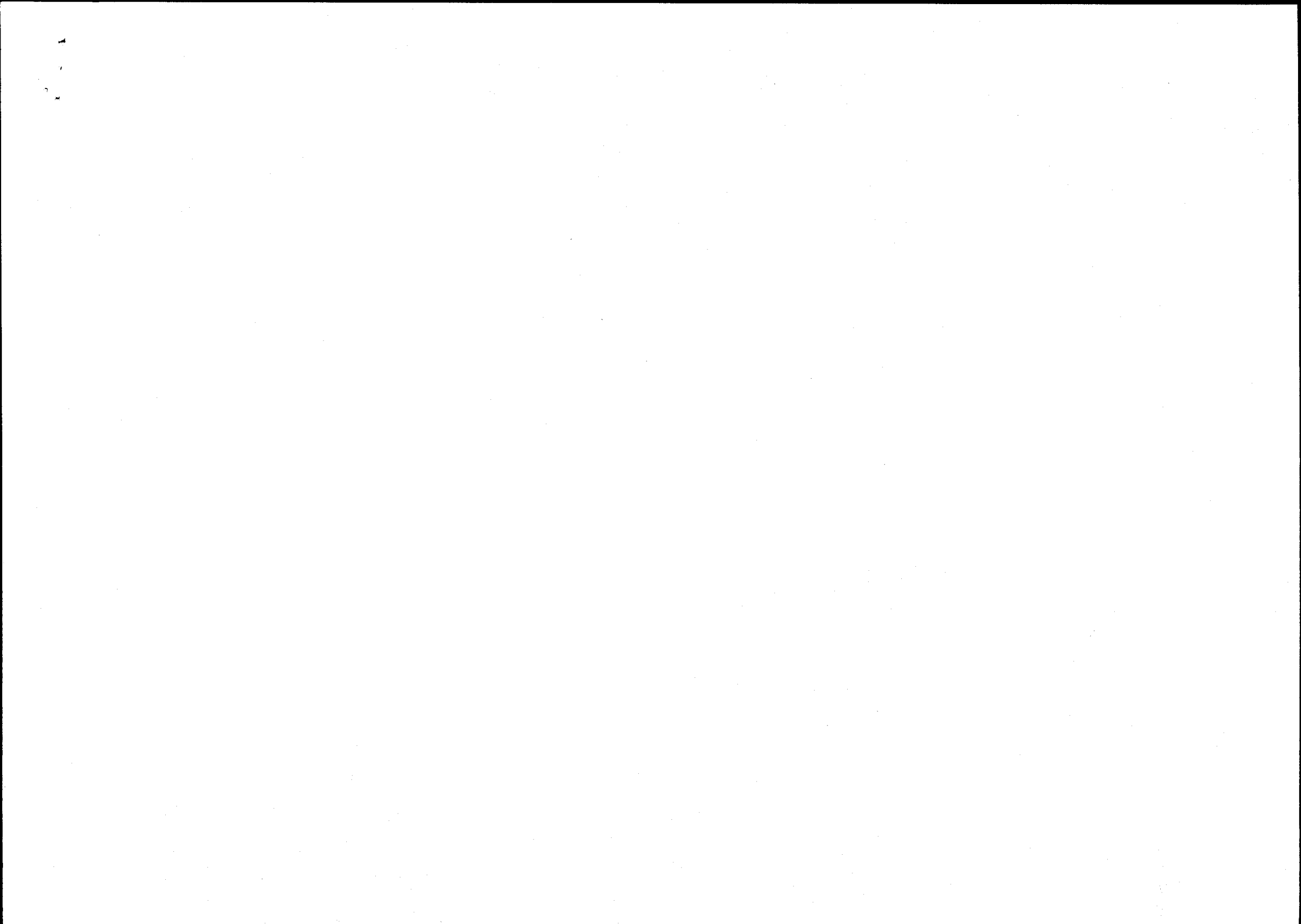
Please take careful note that if the holder of the consent changes, you must inform the Agency IN WRITING as soon as possible of the name of the new holder. This to ensure that the rights and charges associated with the Consent are transferred to the new holder. A certificate of Holder notice will be sent to you shortly which is designed for this purpose, and should be kept safely with the Consent until required.

Cont/d...

Asiantaeth yr Amgylchedd
Llys Afon, Hawthorn Rise, Hwlfordd, Sir Benfro, SA61 2BQ
Ffon 01437 760081, Ffacs 01437 760881

Environment Agency
Llys Afon, Hawthorn Rise, Haverfordwest, Pembrokeshire, SA61 2BQ
Tel 01437 760081, Fax 01437 760881





This Variation is granted following your written agreement (6/6/97) to allow review of the consent conditions with the 4 year review clause period in order to achieve River Ecosystem Class 1 in the Tawe below the sewage treatment works. This review may take effect from January 1998.

Yours faithfully



D B L MATHIAS
Area Water Quality Manager

Enc

Please ask for: Dave Johnston

Asiantaeth yr Amgylchedd
Llys Afon, Hawthorn Rise, Hwlfordd, Sir Benfro, SA61 2BQ
Ffon 01437 760081, Ffacs 01437 760881

Environment Agency
Llys Afon, Hawthorn Rise, Haverfordwest, Pembrokeshire, SA61 2BQ
Tel 01437 760081, Fax 01437 760881



CONSENT NO.	BC0016601
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ASIANTAETH YR
AMGYLCHEDD
ENVIRONMENT
AGENCY

WATER RESOURCES ACT 1991

SECTION 88 - SCHEDULE 10

(AS AMENDED BY THE ENVIRONMENT ACT 1995)

VARIATION OF CONSENT TO DISCHARGE

TO: The Environment Quality Scientist
Dwr Cymru Cyfyngedig
Plas Y Ffynnon, Cambrian Way
Brecon LD3 7HP

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:

Biologically Treated Sewage Effluent

with respect to Variation of Consent No. BC0016601 dated the 15th day of November 1983

FROM: Trebanos Sewage Treatment Works

AT: Trebanos, Swansea

TO: The River Tawe


HEREAFTER SUBJECT TO the conditions set out in the following schedule:

Biologically Treated Sewage Effluent

Schedule No. BC0016601 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 alters 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.

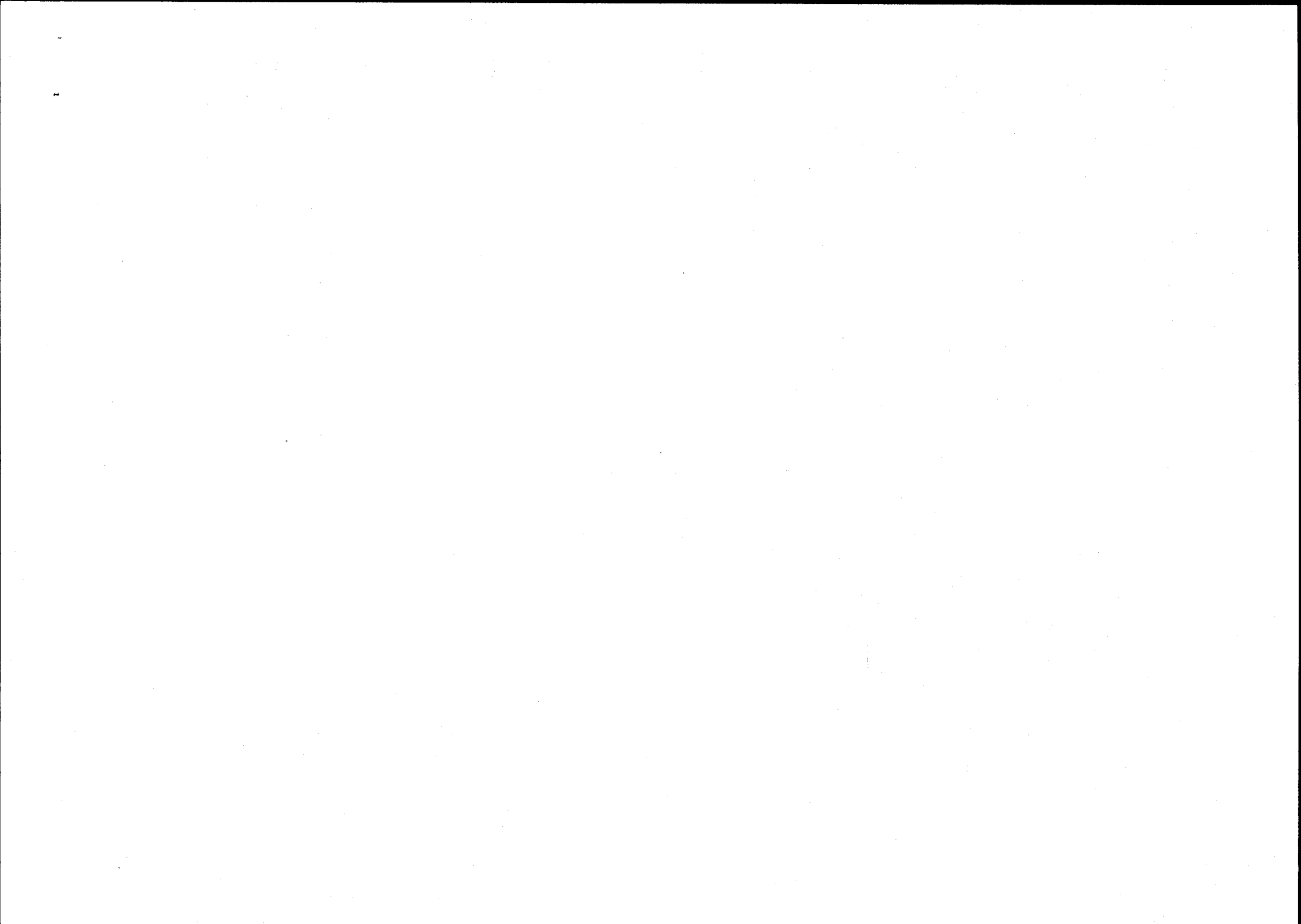
This variation of consent is issued and takes effect on the 6th day of June 1997

Signed 
Area Water Quality Manager

Asiantaeth yr Amgylchedd
Glan Tawe, 154 Ffordd Sant Helen, Abertawe SAI 4DF
Ffôn 01792 645300, Ffacs 01792 648652

Environment Agency
Glan Tawe, 154 St Helens Road, Swansea SA1 4DF
Tel 01792 645300, Fax 01792 648652







ASIANTAETH YR
AMGYLCHEDD
ENVIRONMENT
AGENCY

CONSENT NO.	BC0016601
SCHEDULE NO.	BC0016601 01
DATE ISSUED	6 th June 1999

CONDITIONS OF CONSENT TO DISCHARGE

Biologically Treated Sewage Effluent ("the Discharge")

FROM: Trebanos Sewage Treatment Works

1. (a) The Discharge shall not contain any poisonous, noxious or polluting matter or solid waste matter.

(b) Provided that the Discharge hereby consented is made in accordance with the following conditions of this consent, such discharge shall not be taken to be in breach of condition (a) above by reason of containing substances or having properties identified in and controlled by these conditions.

NATURE

2. The Discharge shall consist solely of secondary treated sewage effluent.

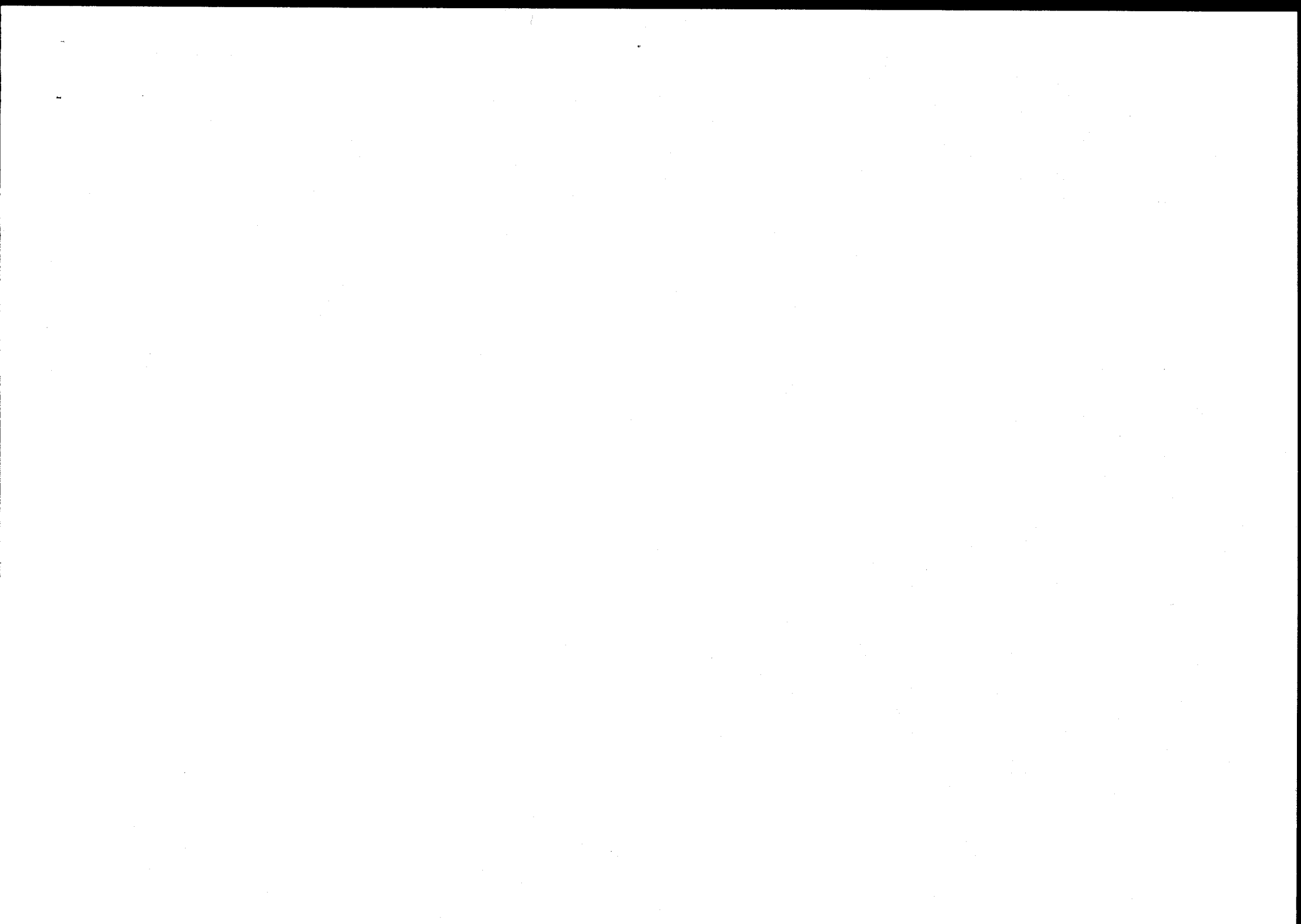
LOCATION

3. The Discharge shall be made in the manner and at the place specified as:
 - (a) discharging via a 600 millimetre diameter pipe;
 - (b) discharging to the River Tawe;
 - (c) at National Grid Reference SN 7090 0222;
 - (d) shown marked 'Effluent Outfall Discharge' on Plan BC0016601 attached as Annex 3.

SAMPLE POINT

4. An appropriately labelled sample point shall be provided and maintained at National Grid Reference SN 7119 0230, as shown marked 'Effluent Sampling Point' on Plan BC0016601, so that a representative sample of the Discharge may be obtained. The discharger shall ensure that all constituents of the Discharge pass through the said sampling point at all times and in any legal proceedings it shall, for the purposes of Section 10 of the Rivers (Prevention of Pollution) Act 1961, be presumed, until the contrary is shown that any sample of the Discharge taken at the said sampling point is a sample of what was discharging into controlled waters.





CONSENT NO.	BC0016601
SCHEDULE NO.	BC0016601 01



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VOLUME

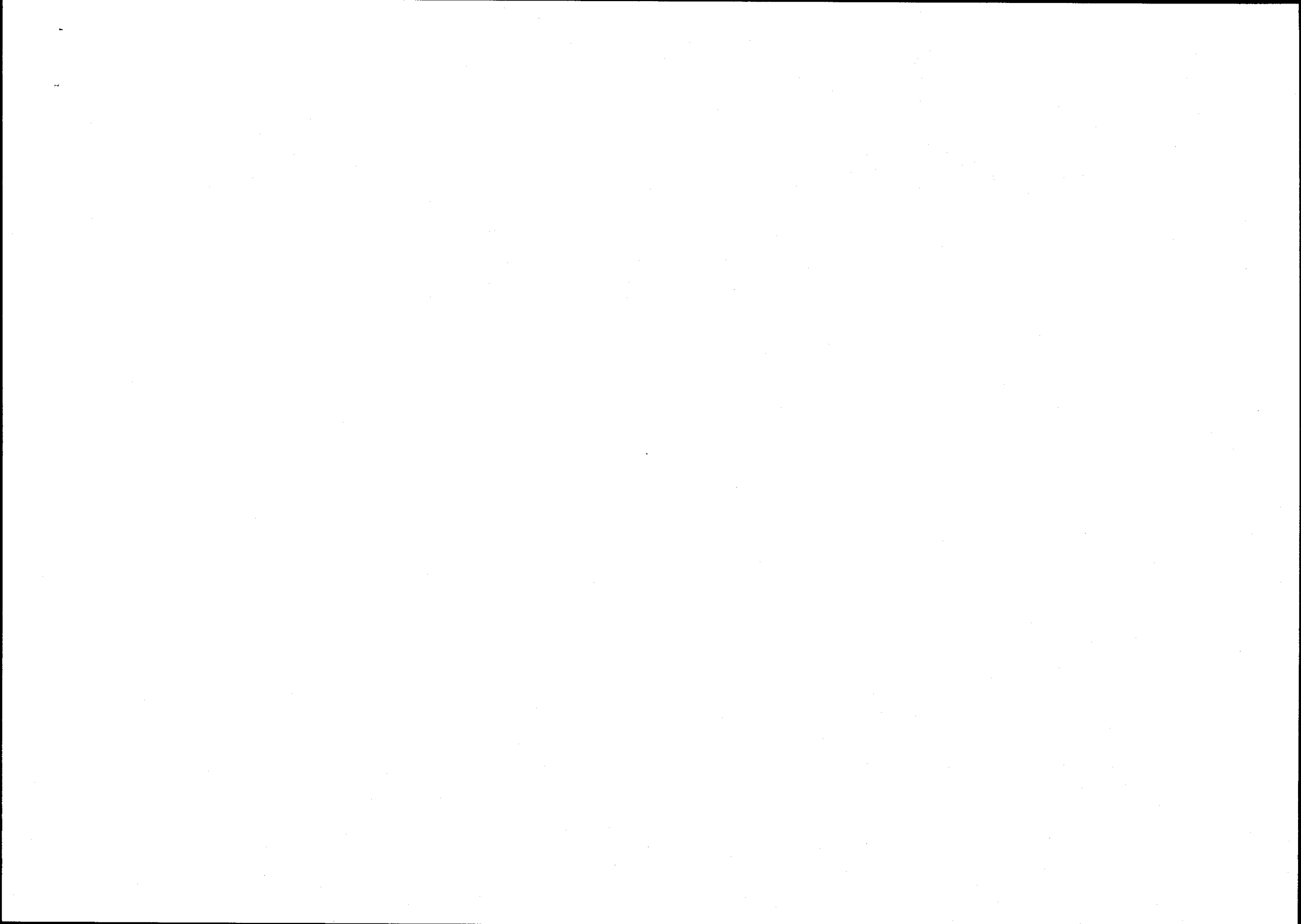
5. The volume of the Discharge shall not exceed 12580 cubic metres per day.
6. The Dry Weather Flow of the Discharge shall not exceed 6290 cubic metres per day.

For the purpose of this condition 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 millimetres on any one day.
7. The rate of discharge shall not exceed 146 litres per second.

FLOW MEASUREMENT

8. (a) Flow measurement structure(s) shall be provided and maintained to enable the daily volume and instantaneous flow rate of the Discharge to be measured or determined as required.
- (b) In addition to the basic measurement structure, a continuous flow recorder, to an agreed specification, with on-site visual display from which readings can be readily obtained, shall be provided and maintained to enable the daily volume and instantaneous flow of the Discharge to be recorded.
- (c) Copies of the readings shall be maintained by the discharger and kept available for inspection by the Agency.
- (d) The recorder shall be calibrated and maintained on a regular basis to ensure that it is reading to an agreed standard. The discharger shall keep a record of the calibration results available for inspection by the Agency.





CONSENT NO.	BC0016601
SCHEDULE NO.	BC0016601 01



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AGENCY

COMPOSITION

9. (a) Subject to paragraph (b) below, the Discharge shall not contain more than:
- (i) 40 milligrammes per litre of biochemical oxygen demand (measured after 5 days at 20°C with nitrification suppressed by the addition of allyl-thiourea);
- (ii) 25 milligrammes per litre of ammoniacal nitrogen (expressed as N);
- (iii) 45 milligrammes per litre of suspended solids (measured after drying at 105°C).
- (b) The limit for any of the relevant parameters set out in paragraph (a) above 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 relevant parameter.
10. The Discharge shall not contain more than :
- (i) 80 milligrammes per litre of biochemical oxygen demand (measured after 5 days at 20°C with nitrification suppressed by the addition of allyl-thiourea);
- (ii) 50 milligrammes per litre of ammoniacal nitrogen (expressed as N);
11. As far as is reasonably practicable, the works shall be operated so as to prevent the Discharge from containing any significant trace of visible oil and grease.
12. As far as is reasonably practicable, the works shall be operated so as to prevent:
- (a) any matter being present in the Discharge, 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 Discharge from having any other adverse environmental impact.



CONSENT NO.	BC0016601
SCHEDULE NO.	BC0016601 01



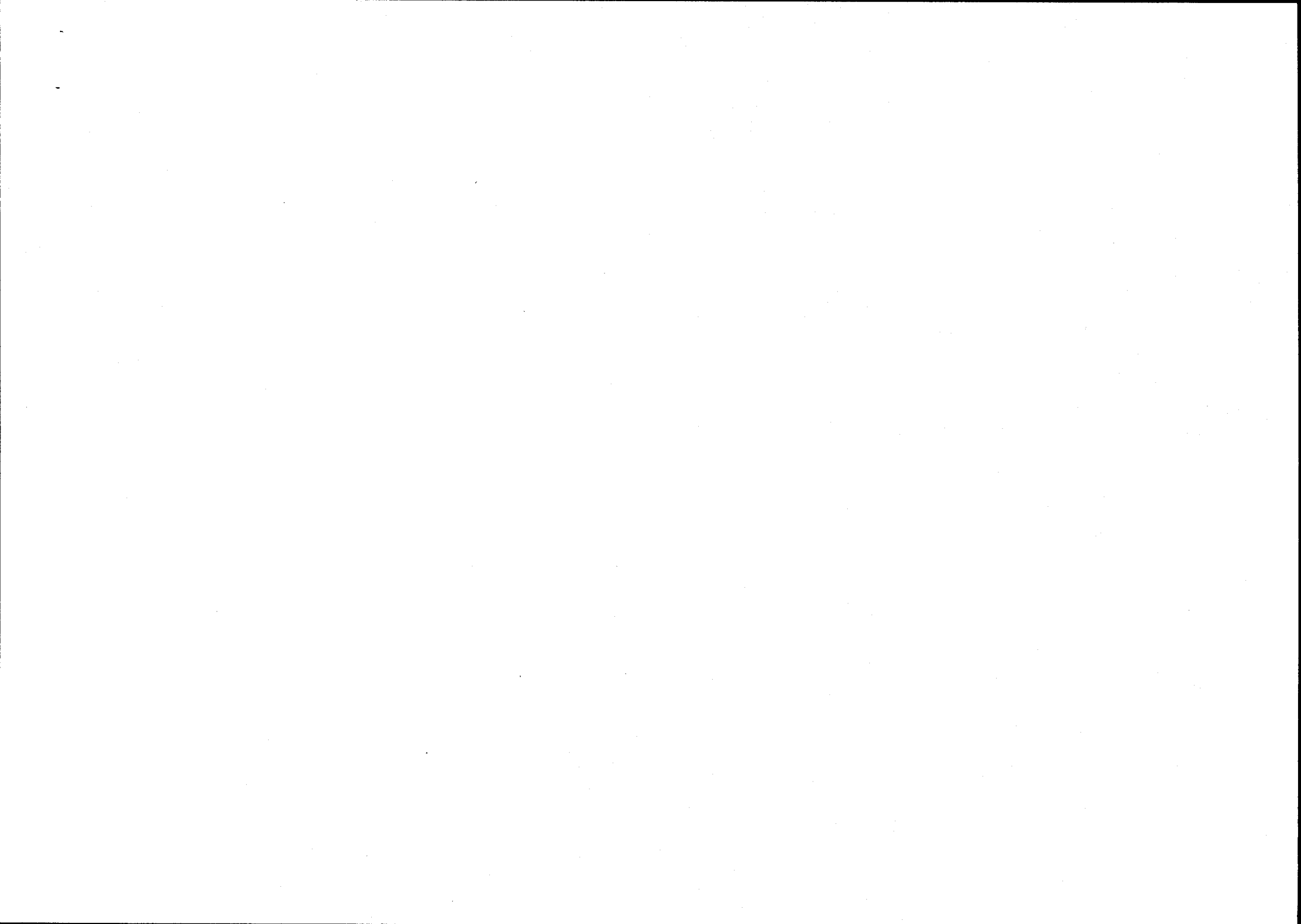
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AMGYLCHEDD
ENVIRONMENT
AGENCY

MAINTENANCE

13. The works shall be operated and maintained in accordance with good operational practice such that:
- (a) it remains fully operational except at times of unavoidable mechanical or electrical breakdown which shall be attended to, and the Agency informed of the failure, as soon as practicable after the failure;
 - (b) following a failure all equipment shall be returned to normal operation as soon as practicable;
 - (c) tanks shall be desludged at sufficient frequency and in such a manner to prevent excessive carryover of suspended solids.

UNUSUAL WEATHER CONDITIONS

14. (a) No sample of the discharge, 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 9, 10 and 12 of this consent 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 discharger shall use its best endeavours to mitigate that adverse affect.
- (d) For a sample of the discharge to be considered for the purposes of (a) above, the discharger 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.	BC0016601
SCHEDULE NO.	BC0016601 01



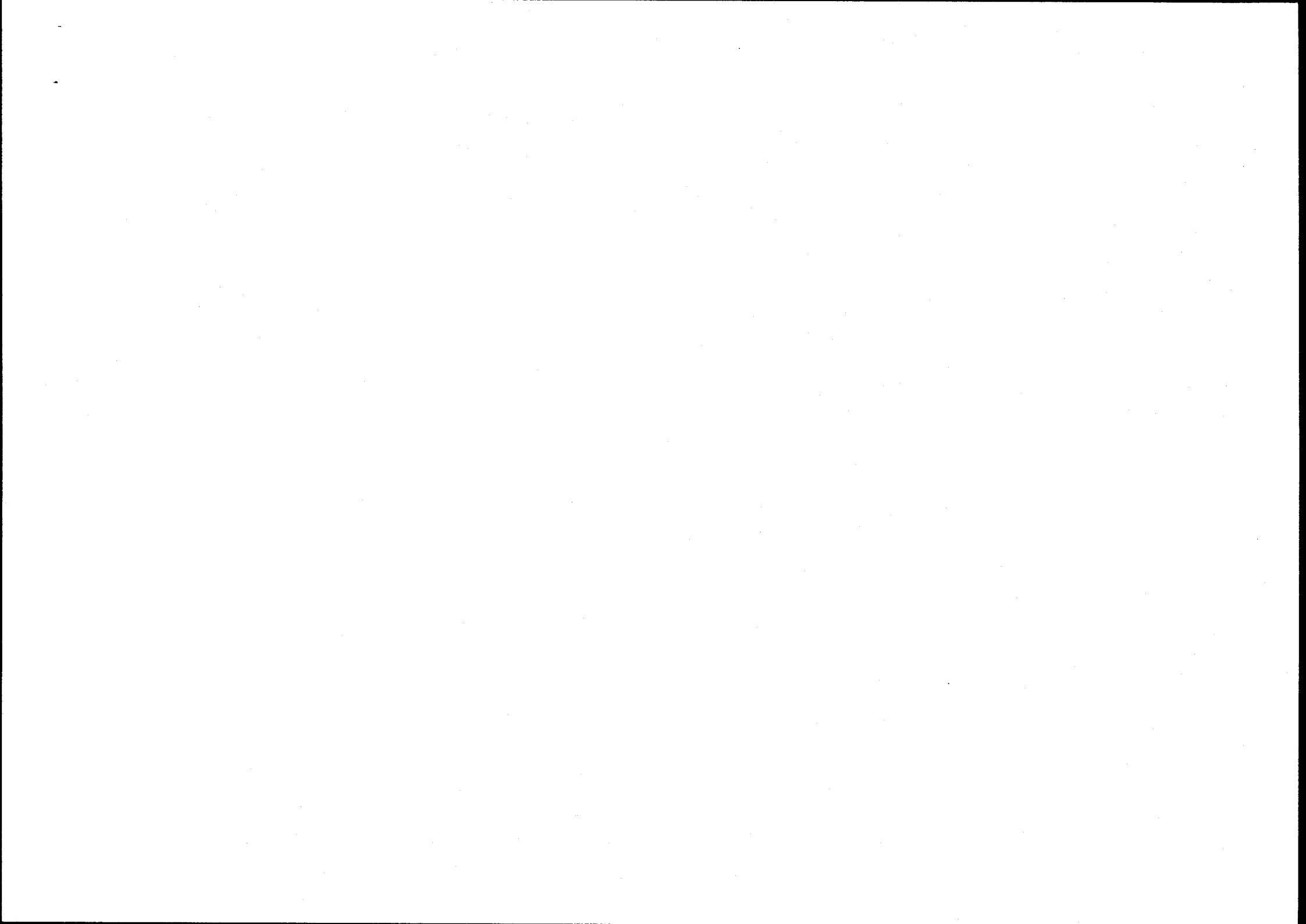
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AMGYLCHEDD
ENVIRONMENT
AGENCY

RECORDING AND REPORTING

15. (a) The discharger shall establish and operate a documented maintenance programme and record all non-routine actions undertaken that may have adversely affected effluent quality. Copies of the programme shall be made available for inspection by the Agency's officers at all reasonable times.
 - (b) On request the discharger shall supply the Agency with a written report on the maintenance and all non-routine actions that may have adversely affected effluent quality.

16. The discharger shall notify the Agency in writing if any known introduction or material change, in respect of discharges from trade premises to the sewerage system, occurs that may increase or introduce into the effluent any "dangerous substance" included on Lists I, II or Red List (set out in Annex 2 to this notice as updated by the Agency from time to time, and notified to the discharger in writing), or any other substance considered by the discharger as having or likely to have a significant effect on the receiving waters.





CONSENT NO.	BC0016601
SCHEDULE NO.	BC0016601 01



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ANNEX 1

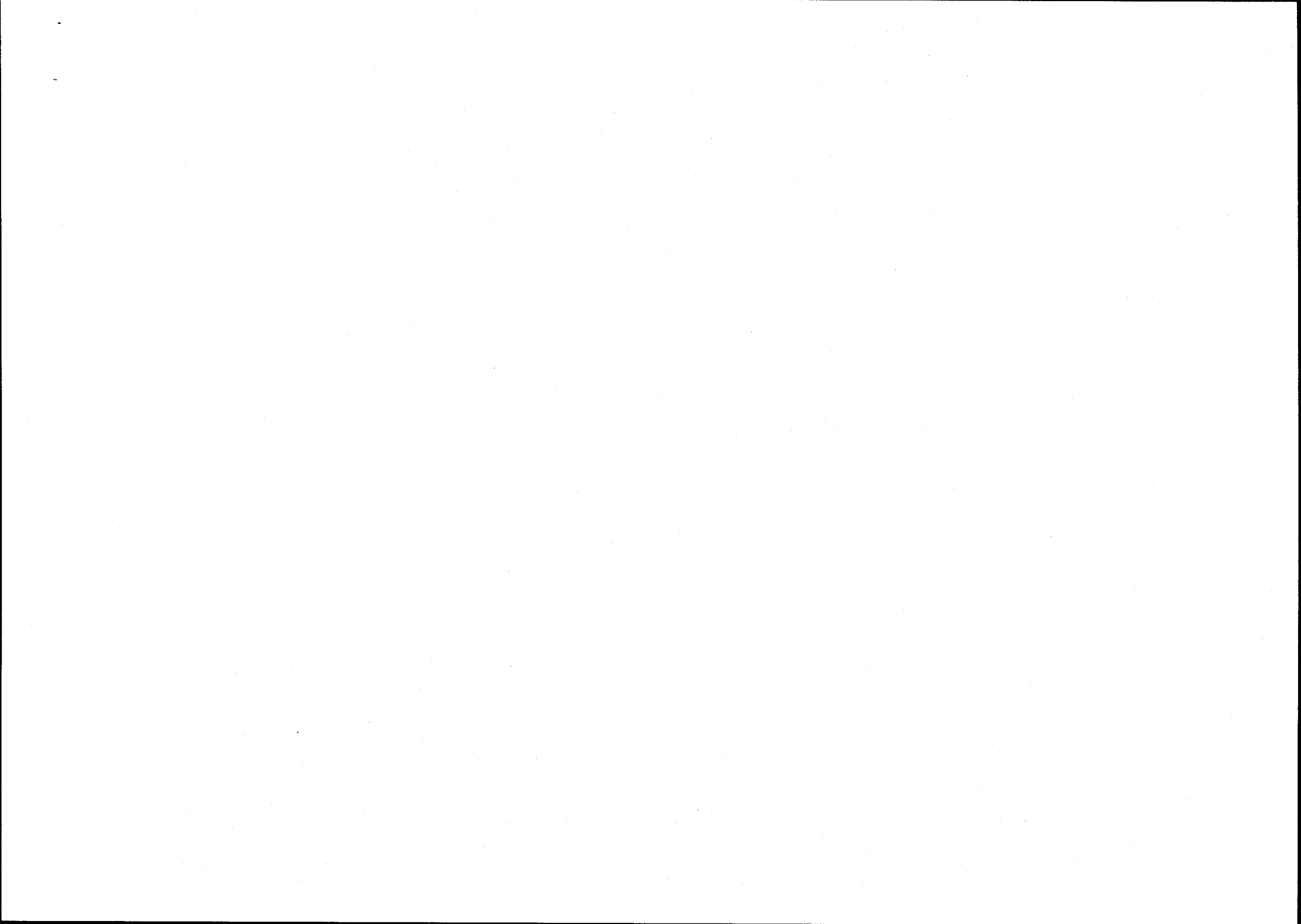
TABLE

Column 1

Column 2

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





CONSENT NO.	BC0016601
SCHEDULE NO.	BC0016601 01



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ANNEX 2

SUBSTANCE

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
Renitrothion
Azinphos-methyl
Malathion
Endosulphan
Carbon tetrachloride
Chloroform
Trichloroethylene
Tetrachloroethylene
Lead
Chromium
Zinc
Copper
Nickel
Arsenic
Iron
pH
Boron

Vanadium
PCSDs
Cyfluthrin
Sulcofuron
Flucifuron
Permethrin
Cyanide
Azinphos-ethyl
Renthion
Parathion
Parathion-methyl
Trichloroethane
Dioxins
Isodrin





APPLICATION FOR
VARIATION OF
BC0016601 TO
ALLOW SHORT TERM
TRIAL OF PHOSPHATE
REDUCTION CHEMICALS
WATER RESOURCES ACT 1991 (schedule 10)



ENVIRONMENT
AGENCY

(as amended by the Environment Act 1995)

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

Regional/Area Address:	Official Use Only: Dist/Area Ref: SH/2000/000032/C Application No. BC00166 01 Date Received: 4/12/00 Fee Received: £645
------------------------	---

Each applicant must complete the main form and may need to complete a separate annex 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 the relevant sections and provision 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.

1 SITE ADDRESS

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

TREBANS SEWAGE TREATMENT WORKS, TREBSANT RD, TREBANS SUMNER
--

Post Code:

--

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 12,580 m³/day
 Briefly state how this figure was calculated (see note ii).

$P = 17,000$, $G = 0.185 \text{ m}^3/\text{Hr}$, $I = 100\% \text{ PG}$, $E = 98 \text{ m}^3/\text{d}$
 THE CALCULATION OF PG+ITSE IN THE 1997 CONSENT APPLICATION ALLOWED FOR 'E' WITHIN THE 'I' FIGURE, HENCE SP&TI WAS USED. THIS APPLICATION RETAINS THE FLOW FIGURES FOUND IN CONSENT BC 0016601 DATED 6/6/97

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 4. Borehole 7. Sub-Irrigation System
2. Channel 5. Well 8. Combination of 6. & 7.
3. Culvert 6. Soakaway 9. Other (please specify below)

600mm ϕ

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

5 N / 7 0 9 0 / 0 2 2 2 (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)

5 N / 7 1 1 9 / 0 2 3 0 (please indicate on accompanying plans)

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

AFT IS MEASURED BY A FLUME AT THE INLET

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

PRIMARY SETTLEMENT, ACTIVATED SLUDGE, FINAL SETTLEMENT,
NITROGEN FILTER, CHEMICAL DOSING FOR AMMONIUM REDUCTION

b) Will the treatment process involve the use of any chemicals (eg ferric salts, polyelectrolytes)
If yes please give details.

IRON OR ALUMINIUM BASED COAGULANT
TRIALS TO BE UNDERTAKEN UPON RECEIPT OF CONSENT

2.6 a) On what date do you anticipate the discharge will commence?
TRIALS TO BE UNDERTAKEN UPON RECEIPT OF CONSENT

31/12/00

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.

N/A

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

Y/N

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

BC 0016601 FINAL EFFLUENT
BP 0265901 SETTLED STREAM

b) Has any person had a Prohibition Notice served on them in respect of this site?
If yes, please give the reference number. Y/N

3 SITE DETAILS

3.1 Please give the name of the relevant Planning Authority.

NEATH & PORT TALBOT COUNTY BOROUGH COUNCIL

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 | <input type="checkbox"/> | 9. Water Supply | <input type="checkbox"/> |
| 5. Commercial Premises (please specify) | <input type="checkbox"/> | 10. Other (please specify) | <input type="checkbox"/> |

3.3

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

N/A

- 1. Well
- 2. Borehole
- 3. Precipitation (eg. rain or snow)
- 4. Mains (please state water supply company)
- 5. River (please give name below)
- 6. Estuary (please give name below)
- 7. Coastal Water (please give name below)

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)
- 2. River or Stream (non-tidal)
- 3. Canal
- 4. Lake, Loch or Pond
- 5. Into Land
- 6. Onto Land
- 7. Directly into Groundwater
- 8. Coastal Water (see note vii)

State name of receiving water if known:

RIVER TAWĒ

4.2

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

N/A

- (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)? N/A
If yes, please give the reasons it is not practical to connect to it (eg. distance, flow etc.).

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 Environment 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>A. R. Andrews</i> PRINT NAME: <i>ANDREWS</i>
ON BEHALF OF: <i>D. S. L. CYMRU CYK</i> DATED: <i>23/11/00</i>

000

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



ENVIRONMENT AGENCY

ANNEXE 1

SEWAGE EFFLUENT GREATER THAN 5 CUBIC METRES PER DAY

Please complete this annexe if you are proposing to discharge more than 5 cubic metres per day of sewage effluent (if the effluent is to contain a trade component Annexe 3 should also be completed).

Official Use Only
Application No.

1. Site Name.

TREBANDS SEWAGE TREATMENT WORKS,
PHEASANT RD,
TREBANDS
SWANSEH

2. Please detail the type and number of treatment units you are proposing to use.

3. Volume, rates and overflow settings. (Please give volumes in cubic metres per day or litres per second as indicated below)

- a) Maximum flow to full treatment. 12580 m³/d
(see note (ii) in main guidance notes for population equivalents)
- b) Dry weather flow of discharge(s). 6290 m³/d
- c) Average daily flow. 1.5 x DWF
9435 m³/d
- d) Maximum rate of discharge(s). 146 l/s

4. Will there be provisions for storm/emergency discharges? Y/ N

If yes, please complete Annexe 2. ACREARY COVERED BY
CONSENT SP0265901

5. a) Will any self monitoring take place? X/ N
If yes, please give details.

NOT FOR THE PURPOSES OF THE WATER RESOURCES ACT CONSENT

b) Will automatic sampling equipment be provided? X/ N

If yes, please give details of type and location (please indicate on plan).

NOT FOR THE PURPOSES OF THE WATER RESOURCES ACT CONSENT

6. a) Please state the maximum population served by the treatment works.

FUTURE DESIGN 19,000
CONSENT APPLICATION FOR 17,000

b) Please give reasons for any variations in population eg. holiday resort, training area, seasonal industry etc. and detail the periods/times involved.

N/A

c) Please state type of catchment/site being served eg. residential, resort, industrial etc.

MAINLY RESIDENTIAL

7. Will a maintenance agreement be set up to manage the sewage works? (see note b)
If yes, please give details.

Y/N

8. Does the effluent contain a trade component?

Y/N

If yes, please complete appropriate section on Annexe 3 for authorised discharges of trade effluent to the sewerage system.

Notes (see also the notes attached to the main form):

- a) For significant sewage treatment plants full details of the plant design, dry weather flow and Biochemical Oxygen Demand load, along with information on all discharges from the works must be included in order for the application to be processed. Flow monitoring will normally be required for such discharges and details of siting and type of flow recorders should be provided.
- b) The Agency require a single body or company to be responsible for the discharge and any bills raised under the Charges for Discharges Scheme. Where multiple dwellings under different ownership are connected to the same system a management company should be set up.



ANNEXE 3
TRADE EFFLUENT DISCHARGES

Please complete this annexe if you are proposing
to discharge trade effluent (this includes site drainage).

Official Use Only
Application No.

1. Site Name.

TRERBANOS STW,
PHERASANT RD,
TRERBANOS
SWANSEA

2. a) Describe in full the trade effluent and the process(es) from which it arises.

COMPAIR INDUSTRIAL LTD
PSM CANNING BRETT LTD
SLICE & DICE
WALL COLMONEY LTD

b) Please state the type and number of treatment units you are proposing to use (if site drainage
please include details of oil/petrol interception facilities).

3. Rainfall Dependent Discharges

a) Is the volume going to be rainfall dependent? TRADE ELEMENT IS INDEPENDENT Y/N

b) If yes, please give the total area drained. OF RAINFALL m²

c) Please give details of any activities which occur in the drainage area which could contaminate
surface water (see note b)

4. Rainfall Independent Discharges

a) What is the maximum rate of discharge? 2.4 l/s

b) What is the average daily flow? ^{max} 98 m³/d

c) For discharges where the source of supply is other than mains water: N/A

ii) give the National Grid Reference of a point where the influent can be sampled.

/ / (please mark on the plan)

5. a) Will any self monitoring take place?
If yes, please give details.

Y/N

- b) Will automatic sampling equipment be provided?
If yes, please give details of type, frequency and location (*please indicate on plan*).

Y/N

6. a) Please state the maximum temperature in degrees Celsius of the effluent when discharged if different from ambient.

AMBIENT

- b) Will the discharge be monitored for temperature?

If yes, please give details of type and location (*please indicate on plan*).

Y/N

7. Has an application for Authorisation been made for a 'prescribed process' as defined in Part 1 of the Environmental Protection Act 1990?

Y/N

If yes, please complete the following:

- a) The application reference.

- c) Contact name of case officer.

WALL COLMONEY & COMPANY ARE CONSENTED FOR TOTAL METALS. THEIR CONSENTED DAILY TOTAL DISCHARGE QUANTITIES (58 cum/d) ARE VERY LOW COMPARED TO THE WORKS' BUF OF 6190 cum/d. NO ATTEMPT HAS BEEN MADE TO ASSESS METALS CONTENT IN THE FINAL EFFLUENT.

8. a) Please indicate if any of the specified substances given below or their compounds will be present in the effluent and if so at what maximum concentration (please give values in micrograms per litre - ug/l). Please see note c.

SUBSTANCE	CONCENTRATION (ug/l)			SUBSTANCE	CONCENTRATION (ug/l)		
	Max	Min	Mean		Max	Min	Mean
Iron				Lead	✓		
Arsenic				Malathion			
Atrazine				Mercury			
Azinphos-ethyl				Nickel	✓		
Azinphos-methyl				PCB's			
Boron				PCSD's			
Cadmium				Parathion			
Carbon tetrachloride				Parathion-methyl			
Chloroform				Pentachlorophenol (PCP)			
Chromium				Perchloroethylene			
Copper	✓			Permethrin			
Cyanide				pH < 5.5 or > 9.0			
Cyfluthrin				Phosphorus			
DDT				Polychlorinated biphenyls			
1,2 Dichloroethane				Simazine			
Dichlorvos				Sulcofuron			
Dioxins				Tetrachloroethylene			
Drins (eg. Aldrin, Dieldrin)				Tributyltin compounds			
Endosulfan				Trichlorobenzene			
Fenitrothion				Trichloroethane			
Fenthion				Trichloroethylene			
Flucofuron				Trifluralin			
Hexachlorobenzene (HCB)				Triphenyltin compounds			
Hexachlorobutadiene (HCBD)				Vanadium			
Hexachlorocyclohexanes (HCH's)				Zinc			

- b) Are there any other significant chemical components used on site which may be contained in the effluent, including biocides or additives? Y/N
 If yes, please give details.

Notes (see also the notes attached to the main form):

- a) For direct trade effluent discharges, full details of the type of the effluent are required (eg. cooling water from air conditioning units), along with typical analytical details and the results of any toxicity studies on the effluent or its constituents. In certain circumstances the Agency may require that specific samples be taken and tests and analysis carried out. The Agency is empowered to recover any costs incurred as a result of special studies.*
- b) Possible sources of contamination include oil/chemical storage areas, vehicle loading/unloading areas, heavy vehicle parking areas and oil/petrol filling points. Any other potential sources of contamination should be detailed.*
- c) Where discharges of trade effluent take place to a sewerage system, as covered by this application, please give details of all authorised discharges of substances listed in table 8 overleaf.*



ASIANTAETH YR
AMGYLCHEDD
ENVIRONMENT
AGENCY

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.

TRERBANDS STW
PHERSANT AD
TRERBANDS, SWANSEA

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

N

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 in the main application form), please state the diameter (including units):

600 mm \varnothing

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

NE 230k for PROSPECTIVE REDUCTION

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

Y/N

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

Tick





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

Pumped / Gravity

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

l/s

For proposed discharges of sewage in storm or emergency conditions: N/A

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

8. Please state:

Population served (head)	<input type="text"/>
Consumption (l/head/day) default = 180	<input type="text"/>
Infiltration (m ³ /day)	<input type="text"/>
Industrial effluent flow (m ³ /day)	<input type="text"/>
Dry Weather Flow (m ³ /day)	<input type="text"/>
SOCA (l/sec)	<input type="text"/>
Predicted spill frequency (per annum)	<input type="text"/>

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' (e.g. 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.

Deddf Adnoddau Dwr 1991



ASiantaeth YR
AMGYLCHEDD

fel y'i diwygiwyd gan Ddeddf yr Amgylchedd 1995
Caniatâd Gollwng
Tystysgrif Daliwr

Rhan A

At:

DWR CYMRU CYFYNGEDIG
ENVIRONMENT QUALITY SCIENTIST
PLAS-Y-FFYNNON CAMBRIAN WAY
BRECON
LD3 7HP

DS: I goff cofreodedig mae teitl y swydd yn bwyrnt cysylltu.
Dyddiad Cyhwyn Daliwr: 23/01/01

Mae **Asiantaeth yr Amgylchedd** ("yr Asiantaeth") yn cadarnhau drwy hyn mai/bod y sawl a enwyd uchod yw/yn ddaliwr cofreodedig uy caniatâd BC0016601 Cyhoeddwyd Caniatâd: 23/01/01

Natur y gollwng: STEC Treated sewage Effluent - Continuous
yn SN7099002130 TREBANOS STW PHEASANT RD TREBANOS

Nodyn: Dylid cadw'r dystysgrif hon gyda'r ddogfen ganiatâd i gyfeirio ati yn y dyfodol. Os byddwch yn trosglwyddo cyfrifoldeb y gollwng i rywun arall, rhaid i chi gyflwyno'r caniatâd iddo ef neu hi a dwend wrth yr Asiantaeth cyn pen 21 diwrnod. Ni all y daliwr wadu cyfrifoldeb y gollwng, ond gall cofrestriad y daliwr gael ei drosglwyddo i olynnydd. I wneud hynny, byddwch cystal â llenwi'r ffurflen isod, ei datgysylltu a'i dychwelyd i'r cyfeiriad a nodir. Os methwch drosglwyddo'r caniatâd, hyd yn oed os nad ydych ar y safle mwyach, gallwch fod yn agored yr un fath i gael eich erlyn am llygu. Os trosglwyddwch y caniatâd ond heb ddwend wrthorn, byddwch yn cyflawni trosedd. Os bydd gennych ymholiadau, byddwch cystal â chysylltu â swyddfa Asiantaeth yr Amgylchedd yn lleol.

Rhan B Llenwch mewn priflythrennau bras neu deipio.

At:

Deddf Adnoddau Dwr 1991: Hysbysiad am drosglwyddo caniatâd gollwng

Caniatâd:	BC0016601	Enw:	DWR CYMRU CYFYNGEDIG
		Cyfeiriad:	ENVIRONMENT QUALITY SCIENTIST
			PLAS-Y-FFYNNON CAMBRIAN WAY
			BRECON
			LD3 7HP
Cyhoeddwyd Caniatâd:	23/01/01		

Yr wyf fi/Yr ydym ni* drwy hyn yn hysbysu'r Asiantaeth nad fi/ni/nad wyf/ydym mwyach yw/yn* Ddeiliad y caniatâd uchod. Caiff/Cafodd hwnnw ei drosglwyddo i: *dilewch yn ôl yr angen

Enw(au) y Daliwr/Dalwyr newydd:
Cyfeiriad:

Cod Post:

Dyddiad Trosglwyddo i'r Daliwr/Dalwyr newydd:

Llofnodwyd:..... Dyddiedig:

Enw Enw (priflythrennau bras):..... Safe:

JW/ES/96

(i'w lenwi wrth lofnodi ar
ran cyrff corfforaethol)



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



JOY
ENVIRONMENT
AGENCY

Part A To: DWR CYMRU CYFYNGEDIG
ENVIRONMENT QUALITY SCIENTIST
PLAS-Y-FFYNNON CAMBRIAN WAY
BRECON
LD3 7HP

26 FEB 2001

COPY

NB: For a body corporate the job title is a point of contact.
Holder Start Date: 23/01/01

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

Nature of Discharge: STEC Treated sewage Effluent - Continuous
at: TREBANOS STW PHEASANT RD TREBANOS

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: BC0016601
Consent Issued: 23/01/01
Name: DWR CYMRU CYFYNGEDIG
Address: ENVIRONMENT QUALITY SCIENTIST
PLAS-Y-FFYNNON CAMBRIAN WAY
BRECON
LD3 7HP

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
on behalf of corporate bodies)



ASANTAEITH YR
AMGYLCHEDD CYMRU
ENVIRONMENT
AGENCY WALES

Eich cyf/Your ref.

Ein cyf/Our ref. 2/EQ/BC0016601/HJH/EAP

Dyddiad/Date: Date as Postmark

Environment Quality Scientist
Dwr Cymru Cyfyngedig
Plas y Ffynnon
Cambrian Way
Brecon
LD3 7HP

Dear Sir/Madam

RE: WATER RESOURCES ACT 1991, SCHEDULE 10 (AS AMENDED BY THE ENVIRONMENT ACT 1995) APPLICATION FOR VARIATION OF CONSENT TO DISCHARGE NO BC0016601.

Further to your application for variation of consent of the Agency to discharge under the provisions of Section 88 of the Water Resources Act 1991, I enclose the Agency's formal notice of the variations made to the conditions of the consent to discharge sewage effluent from Trebanos Sewage Treatment Works.

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. This charge is based on information derived from the conditions attached to the consent to discharge, as outlined in the enclosed leaflet. A change in conditions may therefore result in a change in annual charge, you may therefore receive a revised bill in due course.

If you are not satisfied with the new conditions of the consent you may appeal against the decision to the National Assembly for Wales, Cathays Park, Cardiff CF10 3NQ.

Please take careful note that if the holder of the consent changes, you must inform the Agency IN WRITING as soon as possible of the name of the new holder. This to ensure that the rights and charges associated with the Consent are transferred to the new holder. A certificate of Holder notice will be sent to you shortly which is designed for this purpose, and should be kept safely with the Consent until required.

7

Cont/d...

Asiantaeth yr Amgylchedd Cymru
Llys Afon, Hawthorn Rise, Hwlfordd, Sir Benfro. SA61 2BQ
Ffôn: 01437 760081, Ffacs: 01437 760881

Environment Agency Wales
Llys Afon, Hawthorn Rise, Haverfordwest, Pembrokeshire. SA61 2BQ
Tel: 01437 760081, Fax: 01437 760881



If you have any queries regarding the enforcement of this consent, please do not hesitate to contact Huw Davies, Team Leader Environment Protection, Environment Agency, Glan Tawe, 154 St Helens Road, Swansea, SA1 4DF.

Yours faithfully



for
NIALL REYNOLDS
Environment Planning Manager

Enc.

Asiantaeth yr Amgylchedd Cymru
Llys Afon, Hawthorn Rise, Hwlfordd, Sir Benfro. SA61 2BQ
Ffon: 01437 760081, Ffacs: 01437 760881

Environment Agency Wales
Llys Afon, Hawthorn Rise, Haverfordwest, Pembrokeshire. SA61 2BQ
Tel: 01437 760081, Fax: 01437 760881

CONSENT NO.

BC0016601



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

Plas y Ffynnon

Cambrian Way

Brecon

LD3 7HP

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:

SECONDARY TREATED SEWAGE EFFLUENT incorporating the requirements of the **Urban Waste Water Treatment Regulations (UWWTR) 1994**

with respect to -

Modification of Consent No. BC0016601 issued on the 21st day of December 2000

FROM: TREBANOS SEWAGE TREATMENT WORKS

AT: PHEASANT ROAD, TREBANOS, SWANSEA

TO: RIVER Tawe

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

SECONDARY TREATED SEWAGE EFFLUENT Schedule No. BC0016601 01

UWWT Regulations 1994 Schedule No. BC0016601 01 / U

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 and takes effect on the 23rd day of January 2001

Signed


Team Leader Water Quality Consents

Asiantaeth yr Amgylchedd Cymru

Glan Tawe, 154 Ffordd Sant Helen, Abertawe. SA1 4DF. Ffôn 01792 645300. Ffacs 01792 648452

Environment Agency Wales

Glan Tawe, 154 ST Helens Road, Swansea. SA1 4DF. Tel 01792 645300 Fax 01792 648452



CONSENT NO.	BC0016601
SCHEDULE NO.	BC0016601 01
DATE ISSUED	23 rd January, 2001



ASiantaeth Yr
Amgylchedd Cymru
ENVIRONMENT
AGENCY WALES

CONDITIONS OF CONSENT TO DISCHARGE

SECONDARY TREATED SEWAGE EFFLUENT ("the Discharge")

FROM: TREBANOS SEWAGE TREATMENT WORKS, THE DOCKS,
PHEASANT ROAD, TREBANOS, SWANSEA

NATURE

1. The Discharge shall consist solely of secondary treated sewage effluent.

LOCATION

2. The Discharge shall be made in the manner and at the place specified as:

- (a) discharging via a 600mm diameter pipe;
- (b) discharging to the River Tawe;
- (c) at National Grid Reference SN 7099 0213;
- (d) shown marked 'Final Effluent Discharge Point' on Plan No. BC0016601 attached as Annex 3;

SAMPLE POINT

3. An appropriately labelled sample point shall be provided and maintained at National Grid Reference SN 7119 0230 as shown marked 'Water Resources Act Final Effluent Sampling Point' on Plan No. BC0016601 so that a representative sample of the Discharge may be obtained. The Consent Holder shall ensure that all constituents of the Discharge pass through the said sampling point at all times and in any legal proceedings it shall, for the purposes of Section 10 of the Rivers (Prevention of Pollution) Act 1961, be presumed, until the contrary is shown that any sample of the Discharge taken at the said sampling point is a sample of what was discharging into controlled waters.

VOLUME

4. The volume of the Discharge shall not exceed 12580 cubic metres per day.
5. The Dry Weather Flow of the Discharge shall not exceed 6290 cubic metres per day.

For the purpose of this condition 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 millimetres on any one day.



CONSENT NO.	BC0016601
SCHEDULE NO.	BC0016601 01



ASIANTAETH YR
AMGYLCHEDD CYMRU
ENVIRONMENT
AGENCY WALES

6. The rate of discharge shall not exceed 146 litres per second.
7.
 - (a) A flow measurement structure shall be provided and maintained to enable the daily volume and instantaneous flow rate of the Discharge to be measured or determined as required.
 - (b) In addition to the basic measurement structure, a continuous flow recorder, to an agreed specification, with on-site visual display from which readings can be readily obtained, shall be provided and maintained to enable the daily volume and instantaneous flow of the Discharge to be recorded.
 - (c) Copies of the readings shall be maintained by the Consent Holder and kept available for inspection by the Agency.
 - (d) The recorder shall be calibrated and maintained on a regular basis to ensure that it is reading to an agreed standard. The Consent Holder shall keep a record of the calibration results available for inspection by the Agency.

COMPOSITION

8.
 - (a) Subject to paragraph (b) below, the Discharge shall not contain more than:
 - (i) 40 milligrammes per litre of biochemical oxygen demand (measured after 5 days at 20°C with nitrification suppressed by the addition of allyl-thiourea);
 - (ii) 25 milligrammes per litre of ammoniacal nitrogen (expressed as N);
 - (iii) 45 milligrammes 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) above 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 relevant parameter.
9. The Discharge shall not contain more than:
 - (a) 80 milligrammes per litre of biochemical oxygen demand (measured after 5 days at 20°C with nitrification suppressed by the addition of allyl-thiourea);
 - (b) 50 milligrammes per litre of ammoniacal nitrogen (expressed as N).



CONSENT NO.	BC0016601
SCHEDULE NO.	BC0016601 01



10. As far as is reasonably practicable, the works shall be operated so as to prevent the Discharge from containing any significant trace of visible oil and grease.

WORKS OPERATION

11. The works shall be operated and the effluent shall be treated in a manner which, so far as reasonable practicable, minimises the polluting effects of the discharge made from the works on controlled waters.

This condition does not require -

- (a) any higher standard to be achieved in relation to any characteristic of the discharge which is specifically regulated by conditions 8, 9 and 10, than is required by those conditions;
- (b) any alteration of the works or a change in the type of treatment used.

MAINTENANCE

12. The works shall be operated and maintained in accordance with good operational practice such that:
- (a) it remains fully operational except at times of unavoidable mechanical or electrical breakdown which shall be attended to, and the Agency informed of the failure, as soon as practicable after the failure;
 - (b) following a failure all equipment shall be returned to normal operation as soon as practicable;
 - (c) tanks shall be desludged at sufficient frequency and in such a manner to prevent excessive carryover of suspended solids.

UNUSUAL WEATHER CONDITIONS

13. (a) No sample of the discharge, 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, 9 and 11 of this consent 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;



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- (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 a sample of the discharge 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.

RECORDING AND REPORTING

- 14. (a) The Consent Holder shall establish and operate a documented maintenance programme and record all non-routine actions undertaken that may have adversely affected effluent quality. Copies of the programme shall be made available for inspection by the Agency's officers at all reasonable times.
 - (b) On request the Consent Holder shall supply the Agency with a written report on the maintenance and all non-routine actions that may have adversely affected effluent quality.
- 15. The Consent Holder shall notify the Agency in writing if any known or planned introduction or material change in respect of discharges from trade premises to the sewerage system occurs, that may increase or introduce into the effluent any "dangerous substance" (set out in Annex 2 to this notice as updated from time to time and notified to the Consent Holder in writing), and any other substance considered by the consent holder as having or likely to have a significant effect on the receiving waters.



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SUBSTANTIAL CHANGE

16. A discharge shall not be made from the works if it would cause a significant increase in the polluting effects of the discharge on controlled waters as a result of a new or altered discharge of trade effluent into the works.
- 16.1 A discharge of trade effluent into the works is new if -
- (a) it is made by the sewerage undertaker and is of a kind not made into the works by the undertaker immediately before the date of effect of this consent; or
 - (b) it is made by a third party and the discharge is authorised on or after that date.
- 16.2 A discharge of trade effluent into the works is altered if -
- (a) it is made by the sewerage undertaker and its composition or quantity changes significantly on or after the date of effect of this consent; or
 - (b) it is made by a third party and the alteration of the discharge is authorised on or after that date.
- 16.3 An increase in the polluting effects of the Discharge on controlled waters is not significant for the purposes of this condition if it relates to any characteristic of the Discharge which is specifically regulated by conditions 8, 9 and 10 of this consent but it may be significant if it is caused by a change in some other characteristic of the Discharge.
- 16.4 For the purposes of this condition "trade effluent" means -
- (a) any discharge by the sewerage undertaker other than
 - (i) domestic sewage from premises connected directly or indirectly to the works; or
 - (ii) surface water run-off;
 - (b) any discharge by a third party which is authorised under Chapter III of Part IV of the Water Industry Act 1991 or which is only accepted as a result of a contract with the sewerage undertaker.



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UNAUTHORISED DISCHARGES

17. A discharge made from the works shall not contain any poisonous, noxious or polluting matter or solid waste matter which is attributable to any unauthorised discharge into the works.
- (a) A discharge into the works is unauthorised if it is made by a third party and either there is no obligation to receive it or conditions subject to which there is an obligation to receive it are not observed.
- (b) Nothing in this, or any other, condition of this consent prevents anyone from relying on any defence available to them under section 87 of the Water Resources Act 1991.

PHOSPHATE-STRIPPING TRIAL

18. During the phosphate-stripping trial, which shall be completed prior to 1st March 2001:
- (a) Subject to paragraph (c) below, the chemical dosing material(s) employed in the phosphorus removal process shall be of an iron salt formulation as notified to the Agency in writing prior to use;
- (b) The chemical dosing material shall at all times conform to the British Standards specification(s) relating to potable products or other equivalent specification as agreed in writing with the Agency prior to use. Copies of the documentation of the quality assurance system shall be made available for inspection by officers of the Agency at all reasonable times;
- (c) The chemical formulation of the chemical dosing material shall not be changed without the prior written agreement of the Agency and such agreement shall only be given if the Agency considers that the relevant chemical formulation is unlikely to have an appreciable effect on controlled waters in the locality of the discharge;
- (d) The Discharge shall not contain more than 10 milligrammes per litre of iron.
19. The consent holder shall conduct the trial and carry out the monitoring programme as outlined in a method statement agreed in writing with the Agency in advance.

REPORT TO THE AGENCY

20. The consent holder shall supply a written report to the Agency outlining the conclusions of the phosphate-stripping trial following its completion, by a date agreed in writing with the Agency in advance.



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CONDITIONS OF CONSENT TO DISCHARGE

SECONDARY TREATED SEWAGE EFFLUENT ("the Discharge")

FROM: **TREBANOS SEWAGE TREATMENT WORKS, THE DOCKS,
PHEASANT ROAD, TREBANOS, SWANSEA**

URBAN WASTE WATER TREATMENT REGULATIONS

U0 (a) The Consent Holder shall comply with the Urban Waste Water Treatment (England and Wales) Regulations 1994 ('the Regulations').

(b) For the purpose of conditions U1 and U2 below, interpretations and references to a numbered regulation or Schedule shall have the meaning as in the Regulations, unless otherwise indicated.

U1 (a) The Discharge derives from an agglomeration with a population equivalent of more than 150,000, discharging to freshwaters.

(b) The Consent Holder shall inform the Agency in writing of any change, or proposed change, to the population equivalent such as would make a material change to the application of the Regulations and shall, on request, inform the Agency in writing of the actual population equivalent.

(c) The Discharge shall be subject to Regulation 5(1) and shall satisfy the relevant requirements of Part I of Schedule 3.

U2 (a) The Consent Holder shall provide apparatus for the purpose of:

- (i) measuring or recording the volume, rate of flow, nature, composition or temperature, and
- (ii) collecting samples of any waste water,

as is necessary to ensure compliance with paragraph (b) below.

(b) The Consent Holder shall monitor the Discharge to verify compliance with the requirements of condition U1(c) above in accordance with control procedures as set out in Part II of Schedule 3.

(c) The Consent Holder shall provide to the Agency any information collected in complying with paragraph (b) above in a manner agreed with the Agency.



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U3 Condition U2 above shall apply for the purpose of verifying compliance with the Directive from the date as specified in the relevant paragraph of Regulation 5 as incorporated into this consent under condition U1(c) above.

U4 (a) An appropriately labelled sample point shall be provided and maintained at National Grid Reference SN 7122 0241, as shown marked 'UWWTDD Crude Sewage Sampling Point' on the attached Plan No. BC0016601, or some other point as agreed in writing with the Agency, so that a representative sample of the Influent may be obtained.

(b) An appropriately labelled sample point shall be provided and maintained at National Grid Reference SN 7118 0227, as shown marked 'UWWTDD Final Effluent Sampling Point' on the attached Plan No. BC0016601, or some other point as agreed in writing with the Agency, so that a representative sample of the Discharge may be obtained.



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Agency Wales

ANNEX 1

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



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ANNEX 2

1.	Mercury and its compounds	2.	Cadmium and its compounds
3.	Hexachlorocyclohexane (lindane and related compounds)	4.	Carbon tetrachloride
5.	DDT (the isomers of 1,1,1-trichloro-2,2 bis(p-chlorophenyl) ethane)	7.	Aldrin
6.	Pentachlorophenol (PCP)	9.	Endrin
8.	Dieldrin	11.	Hexachlorobenzene (HCB)
10.	Isodrin	13.	Chloroform
12.	Hexachlorobutadiene (HCBD)	15.	Dichlorvos
14.	Polychlorinated biphenyls	17.	Trichlorobenzene
16.	1,2-Dichloroethane	19.	Simazine
18.	Atrazine	21.	Triphenyltin compounds
20.	Tributyltin compounds	23.	Fenitrothion
22.	Trifluralin	25.	Malathion
24.	Azinphos-methyl	27.	Lead
26.	Endosulfan	29.	Zinc
28.	Chromium	31.	Nickel
30.	Copper	33.	*Iron
32.	Arsenic	35.	*Boron
34.	*pH outside range 5.5 to 9.0	37.	PCSDS
36.	Vanadium	39.	Sulcofluron
38.	Cyfluthrin	41.	Permethrin
40.	Flucofuron	43.	2-Chlorophenol
42.	4-Chloro-3-methyl-phenol	45.	2,4-D (ester)
44.	2,4-Dichlorophenol	47.	1,1,1-Trichloroethane
46.	2,4-D (non ester)	49.	Bentazone
48.	1,1,2-Trichloroethane	51.	Biphenyl
50.	Benzene	53.	Demeton
52.	Chloronitrotoluenes	55.	Linuron
54.	Dimethoate	57.	Mecoprop
56.	MCPA	59.	Naphthalene
58.	Mevinphos	61.	Toluene
60.	Omethoate	63.	Xylene
62.	Triazophos	65.	Azinphos-ethyl
64.	Cyanide	67.	Parathion
66.	Fenthion	69.	Trichloroethylene
68.	Parathion-methyl	71.	Dioxins
70.	Tetrachloroethylene	73.	Nonyl phenol
72.	PAHs	75.	Di-ethylhexyl phthalate
74.	Nonyl phenyl ethoxylate	77.	Diazinon
76.	Bisphenol-A	79.	Chlorotoluron
78.	Chlorfenvinphos	81.	Diuron
80.	Isoprofluron	83.	Flumethrin
82.	Propetamphos	85.	High-Cis Cypermethrin
84.	Amtriaz	87.	Deltamethrin
86.	Cyromazine		
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.

