

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



**ENVIRONMENT  
AGENCY**

**Part A**

**To:** INCO EUROPE LTD  
ENVIRONMENTAL MANAGER

CLYDACH  
SWANSEA SA5 5QR

The Environment Agency ("the Agency") hereby confirm that the above named person is a/the registered holder of consent BM0024901.

Nature of Discharge(s); SEWAGE EFF/TREATED EFF/CONTINUOUS  
at  
INCO GOLF COURSE CLYDACH 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:**

**Name:**  
**Address:**

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

\* delete as appropriate

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

**Address:**

**Post Code:**

**Date of Transfer to new Holder(s);** .....

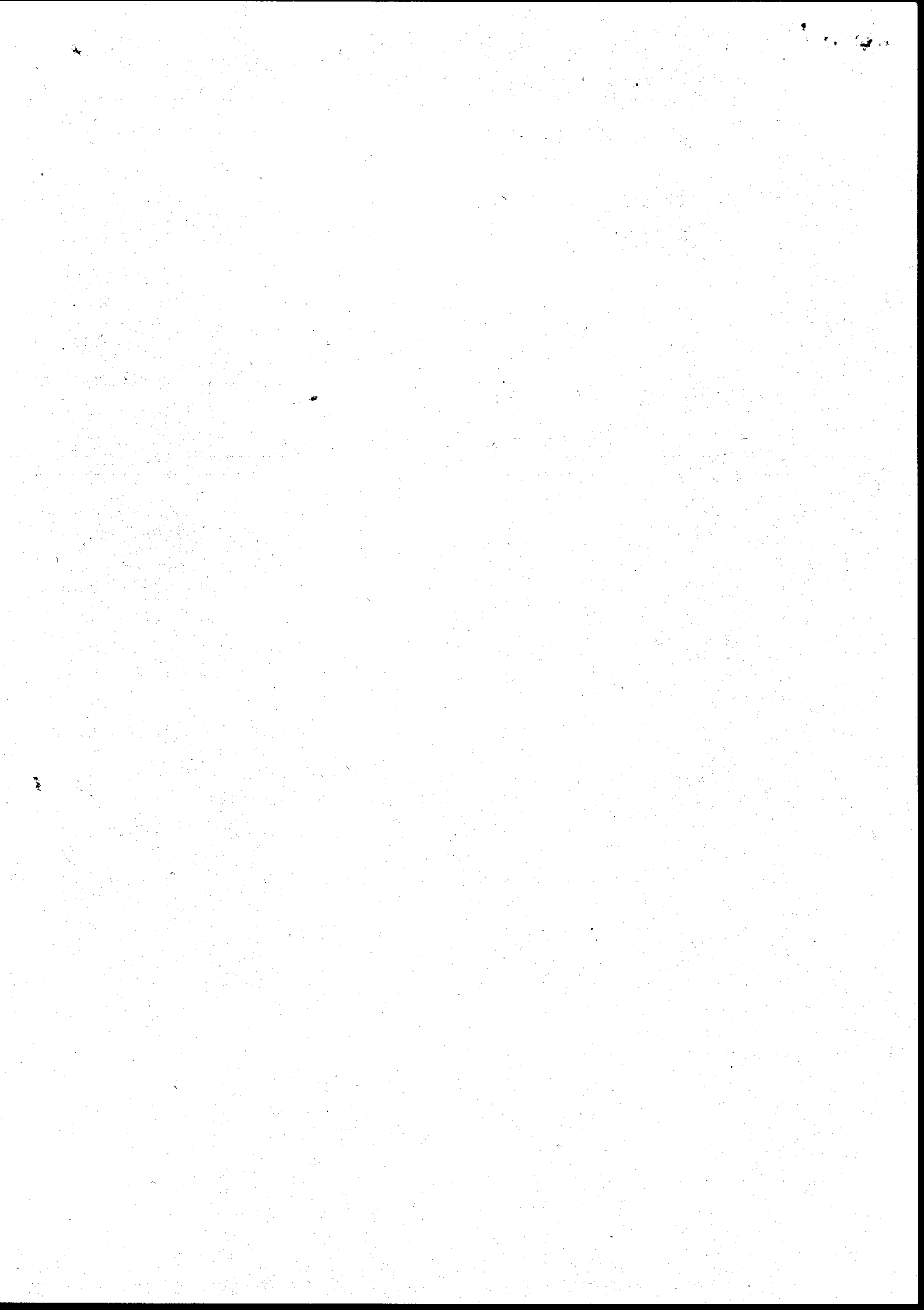
**Signed:** ..... **Dated:** .....

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

JWE/5/96

(to be completed when signing  
on behalf of corporate bodies)





CONSENT NO.	BM0024901
SCHEDULE NO.	BM002490101



ASiantaeth Yr  
Amgylchedd Cymru  
Environment  
Agency Wales

#### ANNEX

- |  |                              |
|--|------------------------------|
| 1. Mercury and its compounds   | 2. Cadmium and its compounds |
| 3. Hexachlorocyclohexane<br>(lindane and related compounds)            | 4. Carbon tetrachloride      |
| 5. DDT (the isomers of 1,1,1-trichloro-2,2 bis{p-chlorophenyl} ethane) |                              |
| 6. Pentachlorophenol (PCP)   | 7. Aldrin                    |
| 8. Dieldrin  | 9. Endrin                    |
| 10. Isodrin  | 11. Hexachlorobenzene (HCB)  |
| 12. Hexachlorobutadiene (HCBd)   | 13. Chloroform               |
| 14. Polychlorinated biphenyls  | 15. Dichlorvos               |
| 16. 1,2-Dichloroethane   | 17. Trichlorobenzene         |
| 18. Atrazine   | 19. Simazine                 |
| 20. Tributyltin compounds  | 21. Triphenyltin compounds   |
| 22. Trifluralin  | 23. Fenitrothion             |
| 24. Azinphos-methyl  | 25. Malathion                |
| 26. Endosulfan   | 27. Lead                     |
| 28. Chromium   | 29. Zinc                     |
| 30. Copper   | 31. Nickel                   |
| 32. Arsenic  | 33. *Iron                    |
| 34. *pH outside range 5.5 to 9.0                                       | 35. *Boron                   |
| 36. Vanadium   | 37. PCSD'S                   |
| 38. Cyfluthrin   | 39. Sulcofuron               |
| 40. Flucifuron   | 41. Permethrin               |
| 42. 4-Chloro-3-methyl-phenol   | 43. 2-Chlorophenol           |
| 44. 2,4-Dichlorophenol   | 45. 2,4-D (ester)            |
| 46. 2,4-D (non ester)  | 47. 1,1,1-Trichloroethane    |
| 48. 1,1,2-Trichloroethane  | 49. Bentazone                |
| 50. Benzene  | 51. Biphenyl                 |
| 52. Chloronitrotoluenes  | 53. Demeton                  |
| 54. Dimethoate   | 55. Linuron                  |
| 56. MCPA   | 57. Mecoprop                 |
| 58. Mevinphos  | 59. Napthalene               |
| 60. Omethoate  | 61. Toluene                  |
| 62. Triazophos   | 63. Xylene                   |
| 64. Cyanide  | 65. Azinphos-ethyl           |
| 66. Fenthion   | 67. Parathion                |
| 68. Parathion-methyl   | 69. Trichloroethylene        |
| 70. Tetrachloroethylene  | 71. Dioxins                  |
| 72. PAHs   | 73. Nonyl phenol             |
| 74. Nonyl phenyl ethoxylate  | 75. Di-ethylhexyl phthalate  |
| 76. Bisphenol-A  | 77. Diazinon                 |
| 78. Chlorfenvinphos  | 79. Chlorotoluron            |
| 80. Isoproturon  | 81. Diuron                   |
| 82. Propetamphos   | 83. Flumethrin               |
| 84. Amitraz  | 85. High-Cis Cypermethrin    |
| 86. Cyromazine   | 87. Deltamethrin             |
| 88. Cypermethrin   |                              |

This list is applicable as at 1 December 1998 and will be updated as and when changes to the relevant legislative requirements occur.

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



Your ref.:  
Our ref.: BM0024901

Date: 21 March 2000



ASiantaeth YR  
AMGYLCHEDD CYMRU  
ENVIRONMENT  
AGENCY WALES

INCO EUROPE LTD  
ENVIRONMENTAL MANAGER  
INCO GOLF COURSE  
CLYDACH  
SWANSEA  
SA65QR

Dear Sir or Madam

**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 Helen Williams if you have any queries about this letter.**

Thank you for your help in this important matter.

Yours faithfully

*H. J. Hughes*

**KEVIN THOMAS  
REGIONAL WATER QUALITY MANAGER**

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

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



Our ref: 2/EQ/BM00249/AR/KSP  
 Your ref:

Date: December 4, 1995

Inco Europe Limited  
 Clydach Refinery  
 Clydach  
 Swansea  
 SA6 5QR

Dear Sir/Madam,

RE: WATER RESOURCES ACT 1991 SECTION 88 SCHEDULE 10  
 REVIEW OF CONSENT TO DISCHARGE

Further to your application for the review of consent of the Authority to discharge under the provisions of Section 88 of the Water Resources Act 1991, I enclose the Authority's formal notice of the modifications made to the conditions of the consent to discharge biologically treated sewage effluent from Club House at Golf Course.

Please ensure that the man-hole lid covering the sampling chamber is clearly marked as "NRA Sample Point". We would suggest that this might be easily done, by painting in bright colours.

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.

Where there is a change of ownership of the discharge, the Authority should be informed in writing in order that an apportioned charge may be raised.

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.

Yours faithfully,

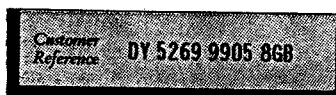
*H. J. Hughes*

S J BROWN  
 Area Environmental Quality Manager

Please ask for: Mr Anthony Rogers



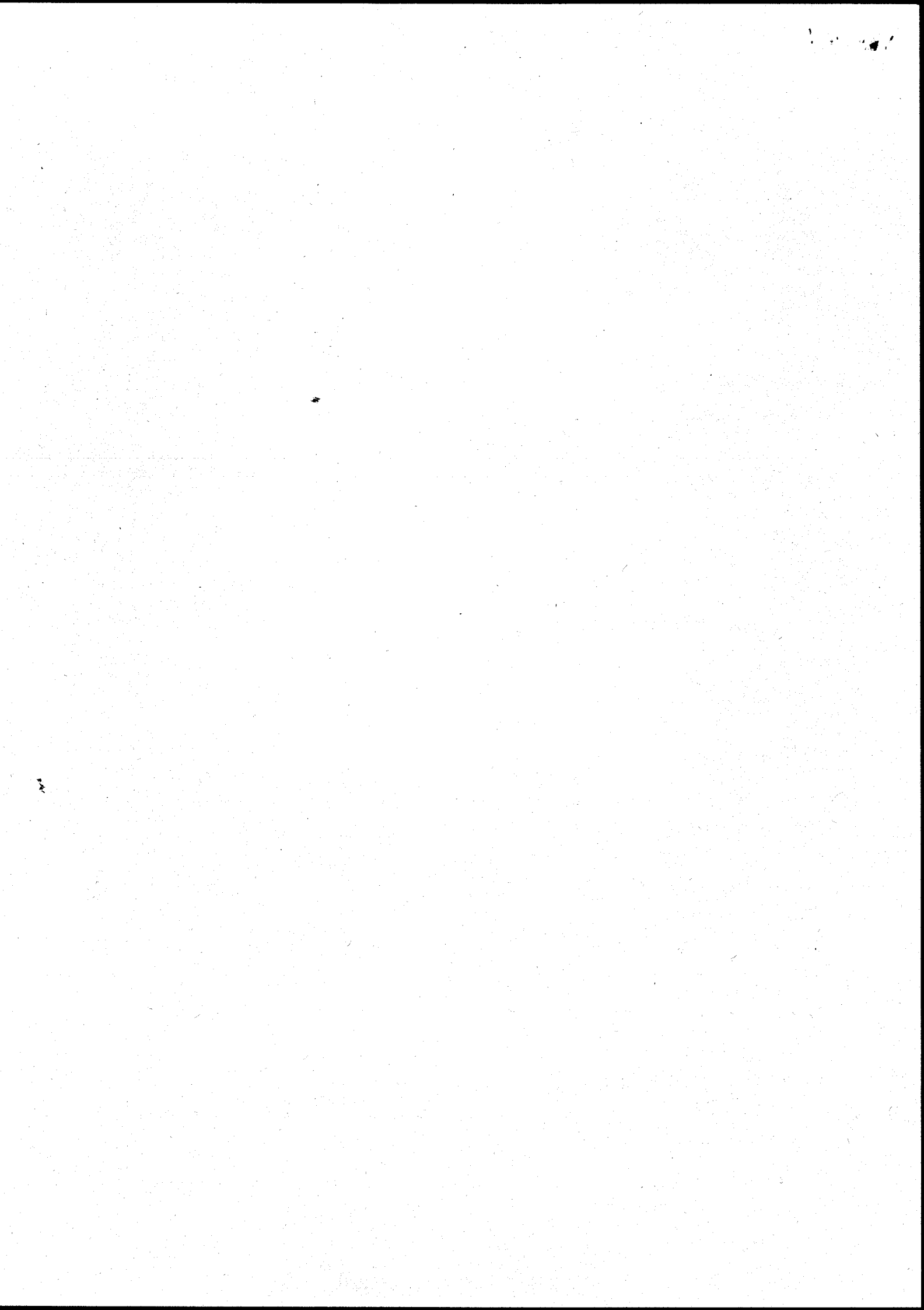
Am ragoriaeth



Awarded for excellence

Dr JOHN STONER Rheolwr Cyffredinol Rhanbarthol / Regional General Manager

Awdurdod Afonydd Cenedlaethol, Rhanbarth Cymru / National Rivers Authority, Welsh Region  
 Llys Afon, Hawthorn Rise, Hwlfordd, Dyfed SA61 2BQ. Ffôn: (01437) 760081, Ffacs: (01437) 760881  
 Llys Afon, Hawthorn Rise, Haverfordwest, Dyfed SA61 2BQ. Tel: (01437) 760081, Fax: (01437) 760881



CONSENT NO.

BM00249



WATER RESOURCES ACT 1991

SECTION 88 - SCHEDULE 10

NOTICE OF REVIEW OF CONSENT TO DISCHARGE

TO: INCO EUROPE LIMITED  
CLYDACH REFINERY  
CLYDACH  
SWANSEA  
SA6 5QR

The NATIONAL RIVERS AUTHORITY ("The Authority") in pursuance of its powers under the Water Resources Act 1991 HEREBY GIVES NOTICE OF REVIEW OF CONSENT to the making of a discharge OF SEWAGE EFFLUENT as follows:

Biologically Treated Sewage Effluent

with respect to Review of Consent No. BM0024901 issued the 20th Dec 1982

FROM: CLUB HOUSE AT GOLF COURSE

AT: INCO GOLF COURSE, CLYDACH, SWANSEA, SA6 5QR

TO: GROUND

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

BIOLOGICALLY TREATED SEWAGE EFFLUENT SCHEDULE NO. BM 0024901

Subject to the provisions of Paragraphs 6 and 7 of Schedule 10 of the Water Resources Act 1991, no notice shall be served by the Authority, which alters the effect of modifications made by this notice, without the agreement in writing of this discharger, during a period of 2 years from the date this notice is served.

Dated this 4<sup>th</sup> day of December 1995

Signed [Signature]  
Area Environmental Quality Manager



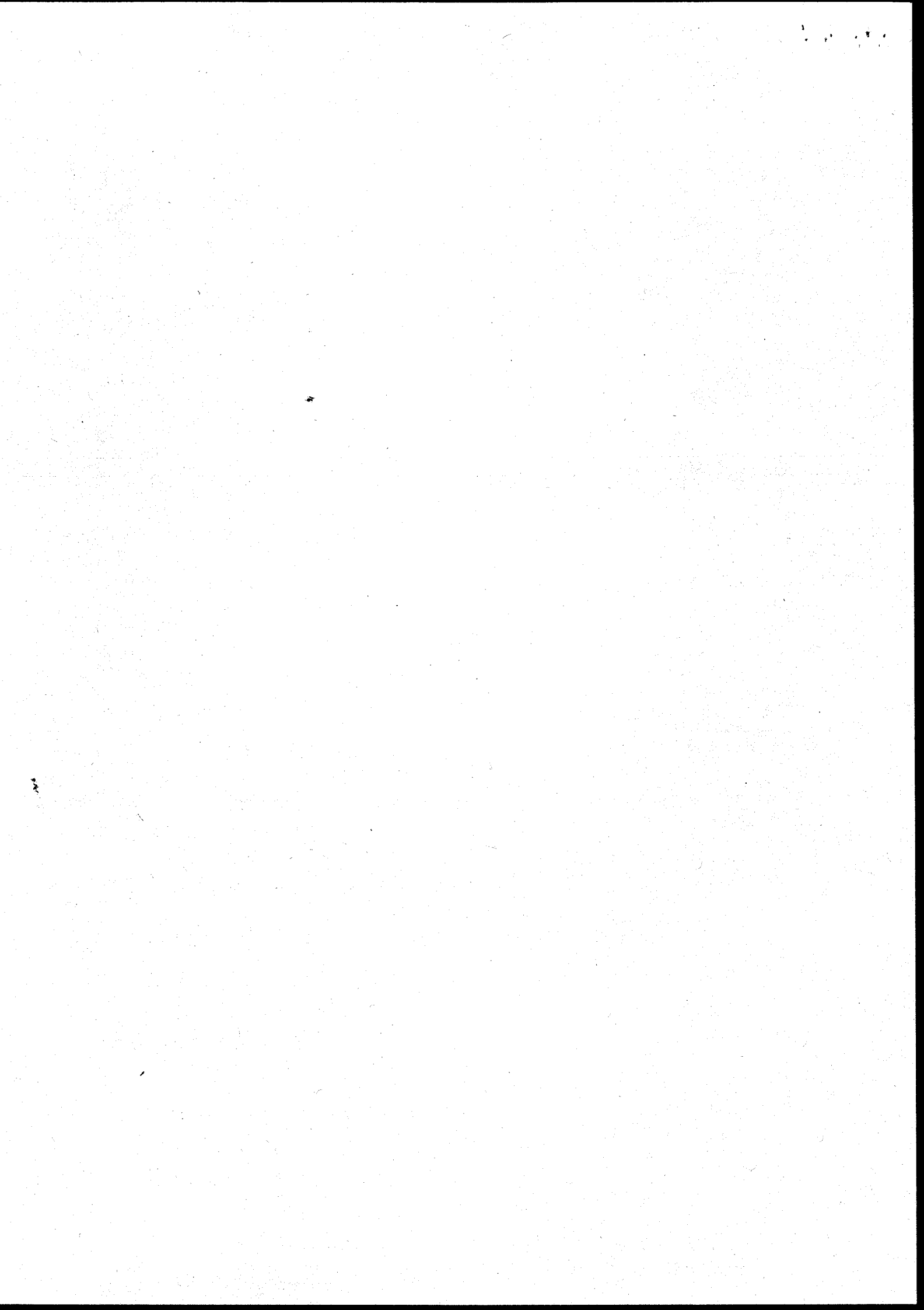
Am ragoriaeth



Awarded for excellence

Dr JOHN STONER Rheolwr Cyffredinol Rhanbarthol / Regional General Manager

Awdurdod Afonydd Cenedlaethol, Rhanbarth Cymru / National Rivers Authority, Welsh Region  
Glan Tawe, 154 Ffordd Sant Helen, Abertawe, Gorllewin Morgannwg SA1 4DF. Ffôn: (01792) 645300, Ffacs: (01792) 648652  
Glan Tawe, 154 St. Helens Road, Swansea, West Glamorgan SA1 4DF. Tel: (01792) 645300, Fax: (01792) 648652





CONSENT NO.	BM00249
SCHEDULE NO.	BM0024901
DATE ISSUED	4/12/95

#### CONDITIONS OF CONSENT TO DISCHARGE

Biologically Treated Sewage Effluent ("the Discharge)

FROM: CLUB HOUSE AT GOLF COURSE, CLYDACH

1.
  - a) The Discharge shall not contain any poisonous, noxious or polluting matter or solid waste matter.
  - b) Provide that the Discharge hereby consented is made in accordance with the 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 those conditions.

#### NATURE

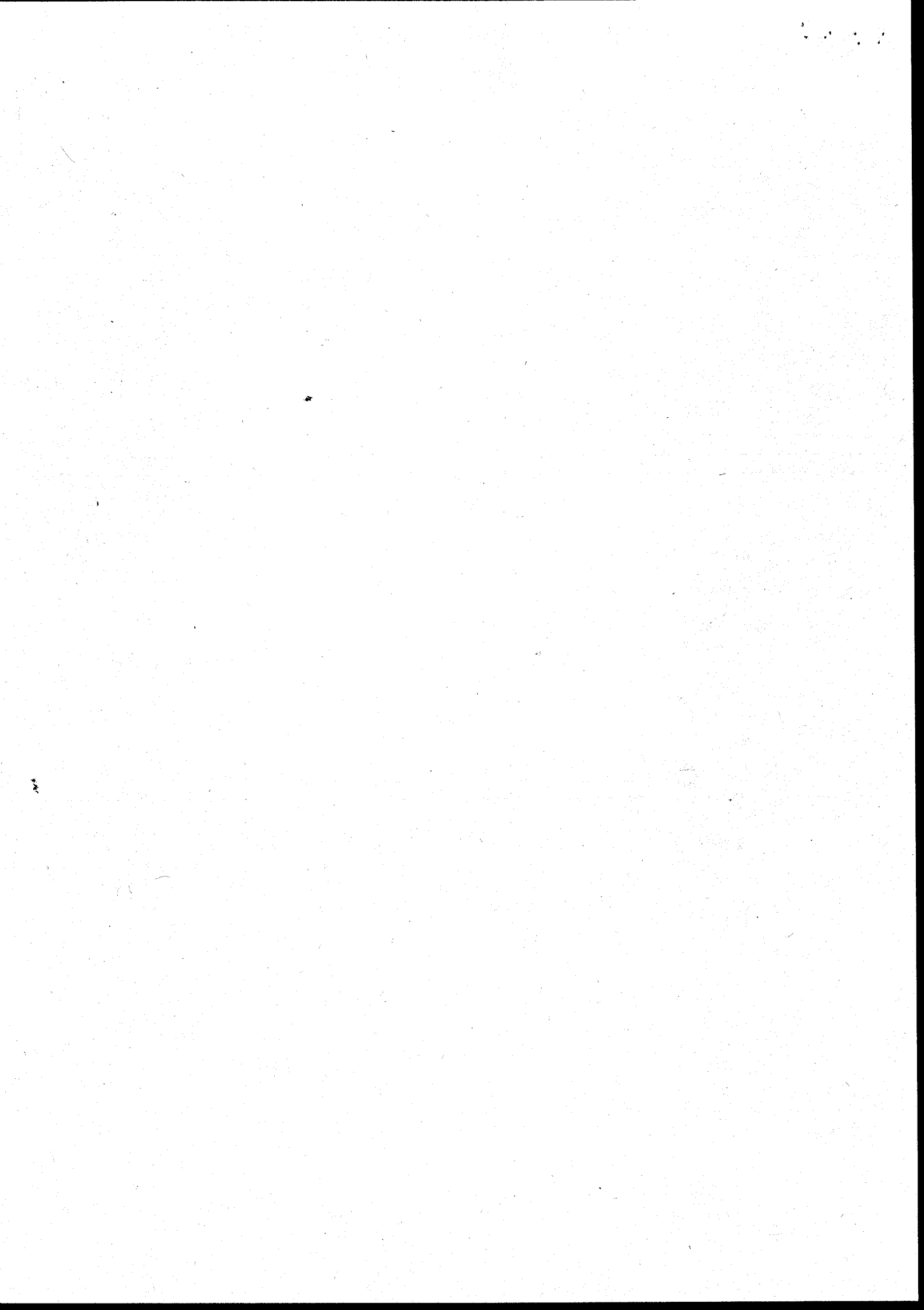
2. The Discharge shall consist solely of biologically treated sewage effluent containing no trade effluent.

#### LOCATION

3. The Discharge shall be made in the manner and at the place specified as:
  - a) discharging via a soakaway and sub irrigation system;
  - b) discharging to ground;
  - c) at National Grid Reference SN7029 0086;
  - d) shown marked "Point A" on Plan BM0024901 attached as Annex 1.

#### SAMPLING POINT

4. The outlet to ground shall be constructed and maintained and appropriately labelled so that a representative sample of the Discharge may be obtained from a manhole at National Grid Reference SN 7029 0086 as shown marked "NRA Sample Point" on Plan BM0024901.



CONSENT NO.	BM00249
SCHEDULE NO.	BM0024901
DATE ISSUED	4/12/95

#### VOLUME

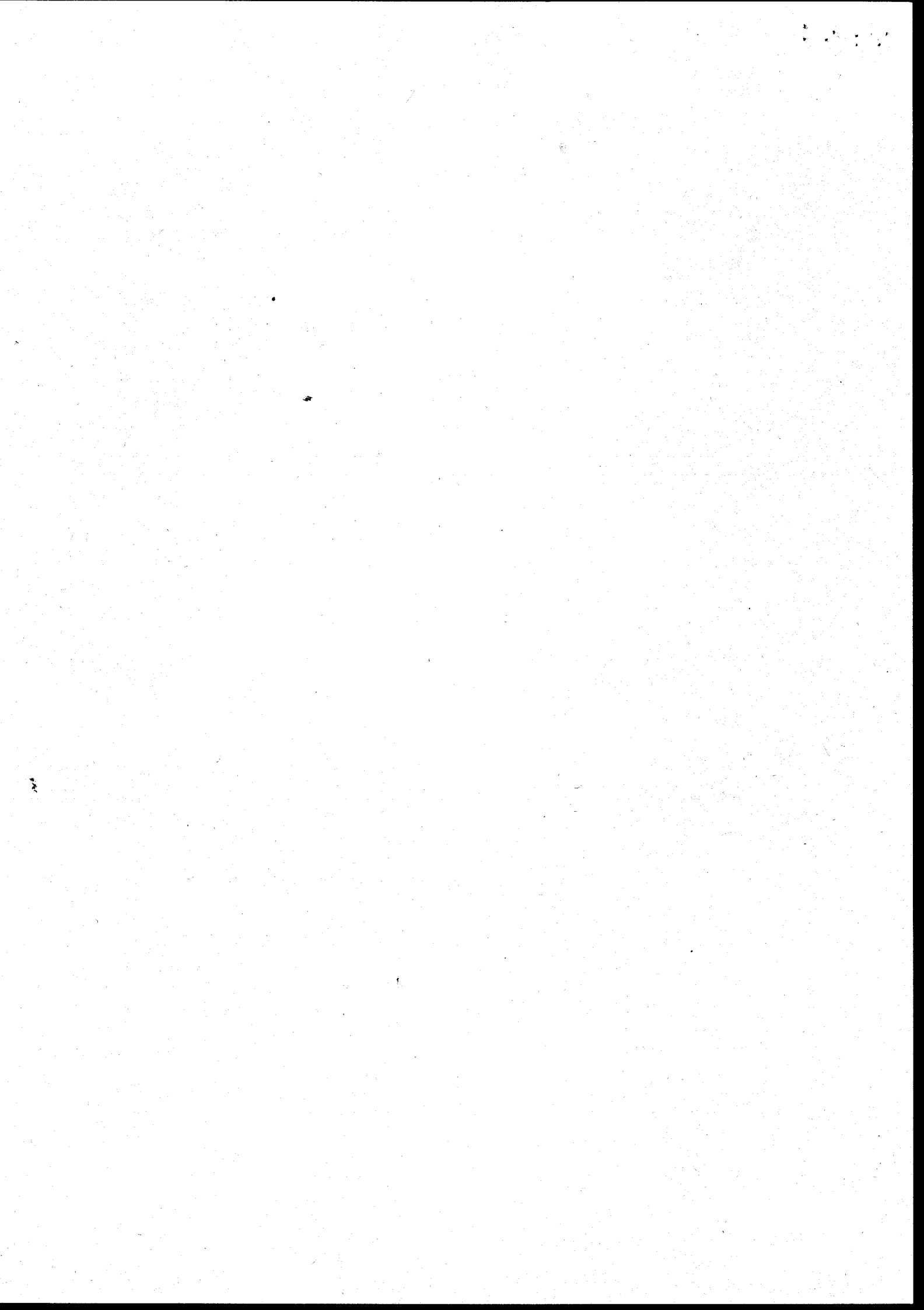
5. The volume of the Discharge shall not exceed 9 cubic metres per day.
6. The rate of discharge shall not exceed 0.1 litre per second.

#### COMPOSITION

7. The Discharge shall not cause any adverse effects on sources of water used for public or private potable supply.

#### MAINTENANCE

8. The works shall be operated so as to prevent the effluent from causing ecological damage or from having any adverse aesthetic impact.
9. The works shall be operated and maintained in accordance with good operational practice and that:
  - a) It remains fully operational except at times of unavoidable mechanical or electrical breakdown which shall be attended to, and the Authority shall be notified 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.
10. No part of the sub surface soakaway system shall lie within 10 metres of the nearest watercourse.



**WELSH WATER AUTHORITY****GOWER DIVISION****WATER RESOURCES ACT 1963**~~WATER RESOURCES ACT 1963~~**CONSENT TO DISCHARGE OF EFFLUENT**

The Gower Division 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

**Inco Europe Limited**  
**Thames House, Millbank, London SW1.**

2. PREMISES to which consent relates

**Clubhouse at Recreation Ground**  
**Trypenllwch Road, Clydach, Swansea.**

3. OUTLET (a) Location- **Underground strata**

Grid reference **SN 7029 . 0086**

- (b) Construction- **"~~drain~~ soakaway ~~Base~~"**

- (c) Use-restricted to Sewage ~~from~~ **Sewage** Effluent produced at the above mentioned premises.

4. DISCHARGE

- (a) Nature **Sewage Effluent from Septic Tank**

- (b) Volume or rate of discharge **800 litres per day max**

- (c) ~~Temperature not to exceed~~ **10°C**

- (d) Composition:-

- (i) pH value not less than **6.0** or more than **8.5**
- (ii) Suspended solids not more than **100 mg/litre**
- (iii) 5 day B.O.D. at 20°C not more than **100 mg/litre**
- (iv) Effluent shall not contain any other polluting substance or substances in concentrations toxic to fish and other animals.

- (e) Sampling point to be located at **outlet from tank**

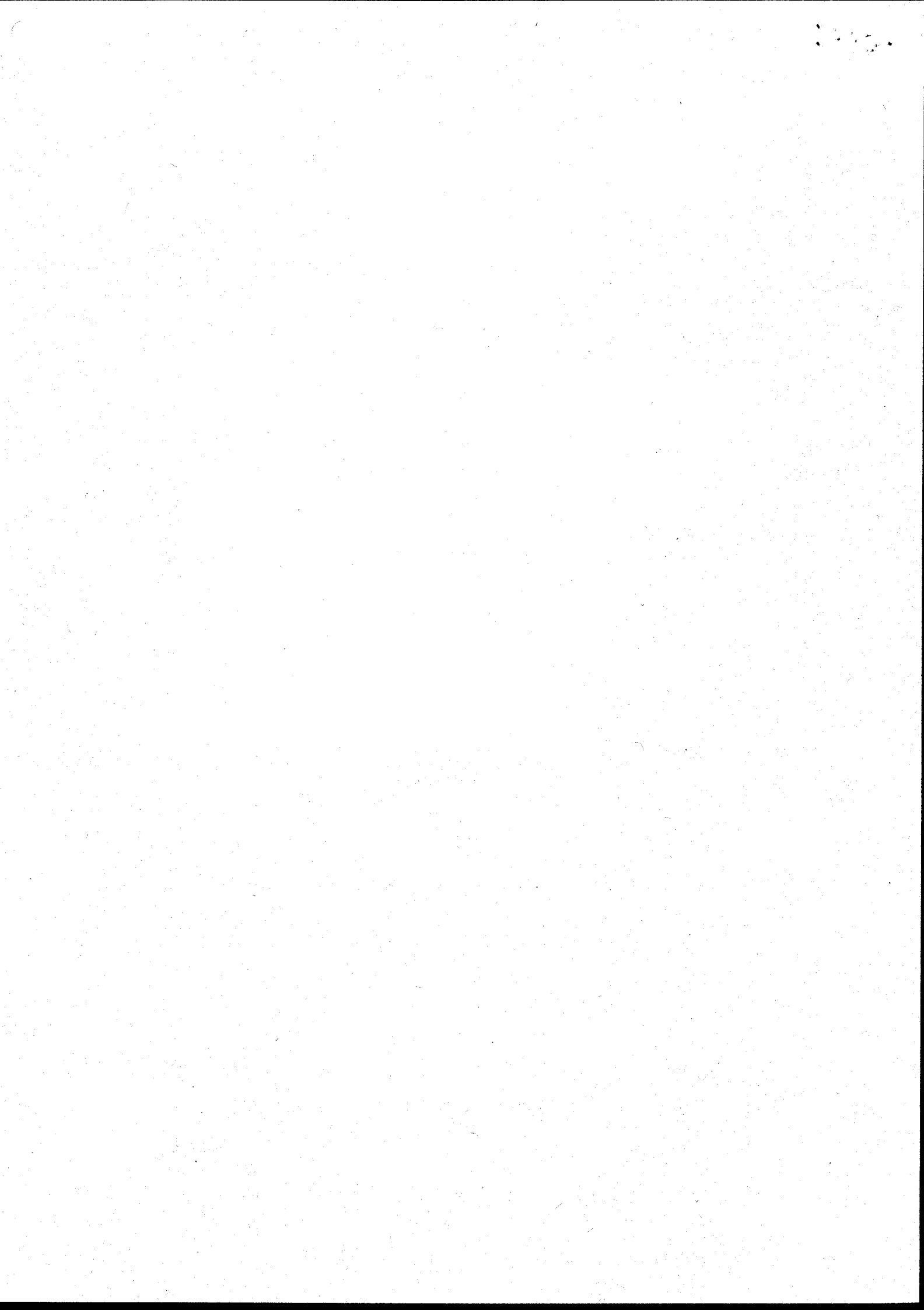
X5. ~~THE TERMS OF THIS CONSENT WILL NOT REMAIN IN FORCE UNLESS THE PERSON TO WHOM THIS CONSENT IS GIVEN BE ALERTED BEFORE THE EXPIRATION OF THE PERIOD ENDING WITH THE~~ **15**

Dated this **20th** day of **December** 19**82**

Gower Division,  
 86, The Kingsway,  
 SWANSEA.  
 SA1 5JL

**D.H.W. Earp**  
 Divisional Manager

P.T.O.



REVIEW.

# NATIONAL RIVERS AUTHORITY WATER RESOURCES ACT 1991

Application for consent to discharge  
Schedule 10



NRA

National Rivers Authority,  
Welsh Region,  
(Mr. D. Ingh, Consents Section),  
Rivers House,  
St Mellons Business Park,  
St Mellons,  
Cardiff,  
CF3 0LT



Official Use Only  
Dist/Area Ref.

South West

Application No. SH0024901

Date Received:

2/8/95

Registered From 31-8-95

PLEASE REFER TO THE ATTACHED NOTES WHEN COMPLETING THE APPLICATION

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

☒ I/We enclose a cheque for £86-95 to cover the cost of this application (see note 2).

Signed ..... Date 31/7/95

Authorised on behalf of ..... INCO EUROPE LIMITED

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

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

If yes please give reference number:

<p>1a Full name and postal address of applicant. (See note 4.)</p> <p>Post Code:</p> <p>Daytime telephone number:</p>	<p><b>INCO EUROPE LIMITED,</b> <b>CLYDACH REFINERY,</b> <b>CLYDACH,</b> <b>SWANSEA.</b> <b>SA6 5QR.</b> <b>01792 842501.</b></p>
<p>1b Agent (if any) Full name and postal address</p> <p>Contact name and daytime telephone number</p>	<p><b>A. J. DAVIS</b> <b>01792 842501 Ext.299.</b> Note: if this box is completed, all correspondence will be sent to this address.</p>

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

\*Delete as necessary

2a) Address or other sufficient description of land or premises to which this application relates.	Clubhouse at Golf Course Clydach
2b) National Grid Reference of point of discharge.	<div style="display: flex; align-items: center;"> <div style="border: 1px solid black; padding: 2px 5px; margin-right: 5px;">S</div> <div style="border: 1px solid black; padding: 2px 5px; margin-right: 5px;">N</div> <div style="border: 1px solid black; padding: 2px 5px; margin-right: 5px;">7</div> <div style="border: 1px solid black; padding: 2px 5px; margin-right: 5px;">0</div> <div style="border: 1px solid black; padding: 2px 5px; margin-right: 5px;">2</div> <div style="border: 1px solid black; padding: 2px 5px; margin-right: 5px;">9</div> <div style="border: 1px solid black; padding: 2px 5px; margin-right: 5px;">0</div> <div style="border: 1px solid black; padding: 2px 5px; margin-right: 5px;">00</div> <div style="border: 1px solid black; padding: 2px 5px; margin-right: 5px;">8</div> <div style="border: 1px solid black; padding: 2px 5px; margin-right: 5px;">6</div> <div style="border: 1px solid black; padding: 2px 5px;">0</div> </div>
2c) District Council area.	Lliw Valley Borough Council
3 State the nature of the discharge. Tick one or more boxes as appropriate. (See note 6.)	<div style="display: flex; justify-content: space-between;"> <div>           Sewage effluent            Storm/emergency sewage effluent            Trade effluent            Any other matter (inc. surface water).         </div> <div style="text-align: right;"> <input checked="" type="checkbox"/>  <input type="checkbox"/>  <input type="checkbox"/>  <input type="checkbox"/> </div> </div>
4 For sewage and trade effluent, and storm/emergency discharges, state:—  a) Maximum quantity it is proposed to discharge in one day. (See note 7.)  b) Highest rate at which it is proposed to operate the discharge.  c) Periods during which the discharge will take place.	<div style="text-align: right; margin-top: 100px;">           9 m<sup>3</sup>/day             0.1 l/sec         </div> <div style="text-align: center; margin-top: 20px;"> <b>During Daytime</b> </div>
5 For rainfall dependent discharges, state the area to be drained. (Roof areas and other impervious areas should be separately identified.)	<div style="text-align: center; margin-top: 100px;">           —         </div> <div style="text-align: right; margin-top: 20px;">           m<sup>2</sup> </div>
<div style="display: flex;"> <div style="flex: 1;">           6 Receiving medium             Tick the category to which the proposed discharge(s) are to be made.            TIDAL RIVER OR STREAM            NON-TIDAL RIVER OR STREAM            CANAL            LAKE, LOCH OR POND            (not discharging to a river or stream)         </div> <div style="flex: 1; text-align: center;"> <input type="checkbox"/>  <input type="checkbox"/>  <input type="checkbox"/>  <input type="checkbox"/> </div> <div style="flex: 1;">           INTO LAND            ONTO LAND            DIRECTLY INTO GROUNDWATER            INTO LAND AND WATERCOURSE            COASTAL WATER (see Note 8.)         </div> <div style="flex: 1; text-align: center;"> <input checked="" type="checkbox"/>  <input type="checkbox"/>  <input type="checkbox"/>  <input type="checkbox"/>  <input type="checkbox"/> </div> </div> <div style="margin-top: 20px;">           State name of watercourse, if known:—         </div>	



- 7 The Authority will normally require adequate provision for the taking of samples of the discharge. Please indicate the means proposed. (See note 9.)

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

If other, please give further details:—

- 8 Indicate proposed means of discharge:—

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

If 9 please give further details:—

- 9 Give details as appropriate

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

a) **N/A**

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

b) **As per BS 6297  
Depth will be 0.45m**

c) For boreholes, state details of lining:

c)

Type of lining

: metres

Depth of lining

: metres

Depth of perforated lining

: metres

Depth of unperforated lining

: metres

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

~~YES~~/NO\*

If yes give reason for not connecting.

:

Distance from nearest foul sewer.

:

- 11 Give brief details of:

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

a) **Mains**

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

b) **Domestic**

12	Is consent required for a limited period? If yes give relevant dates	<del>YES</del> /NO*
13	On what date do you anticipate the discharge will begin to be made?	Existing as Review
14	Does this proposal replace an existing discharge? If yes give details	YES/NO* : Consent No. BM0024901
15	Are there any existing consents for discharge from the premises? (see note 10.) If yes, give details, numbers, if known.	YES/ <del>NO</del> * : Consent No. BM0024901
16	Please give details of the premises – tick as appropriate:–	
	1. Single dwelling <input type="checkbox"/>	2. Multiple dwellings <input type="checkbox"/>
	3. Licenced premises <input checked="" type="checkbox"/>	4. Vehicle parking area <input type="checkbox"/>
	5. Industrial premises <input type="checkbox"/>	6. Fish farm <input type="checkbox"/>
	7. Mineral workings <input type="checkbox"/>	8. WSPLC STW <input type="checkbox"/>
	9. Water supply <input type="checkbox"/>	10. Other <input type="checkbox"/>
	If other, please give further details.	
17	IN THE CASE OF SUB-IRRIGATION SYSTEMS AND SOAKAWAYS	
a)	Is any part of the system within 10 metres of the site boundary?	<del>YES</del> /NO*
b)	Is any part of the system within 10 metres of a watercourse?	<del>YES</del> /NO*
c)	Is the land in which the disposal system is to be constructed under-drained with land drains discharging to a watercourse or to be so under-drained?	<del>YES</del> /NO*
d)	If the answer to either (b) or (c) is "YES" please state the name of the watercourse or sufficient information to identify it.	
e)	Attach details of the percolation test carried out.	Attached
18	FOR SEWAGE TREATMENT PLANTS	
a)	State the population served/population equivalent/estimated population*	*All year PE 50 *Summer PE 50 Max. *Winter PE 50 Max.
b)	Give details of the treatment plant to be used (see note 11.)	

\*Delete as necessary

FOR TRADE EFFLUENT AND SEWAGE DISCHARGES  
CONTAINING TRADE EFFLUENT

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

b) Maximum temperature of the effluent as discharged

.....°C

c) Does the effluent contain any of the following?

\*YES/NO

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

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

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

20 FOR STORM AND EMERGENCY DISCHARGES AND SURFACE WATER SEWERS

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

Storm tanks  
Storm overflow from sewer  
Storm overflow from pumping station  
Emergency overflow from sewer  
Emergency overflow from pumping station  
Surface Water  
Other

☐  
☐  
☐  
☐  
☐  
☐  
☐

Answer all except 23 & 26  
Answer all except 23 & 26  
Answer all sections below  
Answer 20a, 21, 25, 27, 28  
Answer all except 20b, 22  
Answer 25, 27  
Answer as appropriate

If other, please give further details:-

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