



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/Area Address

Regional Finance Manager
Environment Agency Wales
PO Box 663
Cardiff
CF2 1YD

Official Use Only

Dist/Area Ref:

Application No. C60393301

Date Received: 4/12/01 21/2/01

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.

Ffestniog Power Station
Tan-y-Crisiau
Blaneau Ffestniog
Gwynedd

Post Code:

LL4 3TP

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

5.4 m³/day

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

Max storage on site = 30 - default 180 litre per head / 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) ☐

Pipe is 6 inch diameter

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

☐☐ / ☐2☐6☐7☐9 / ☐3☐4☐4☐3 (please indicate on accompanying plans)

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

At the outlet ☒

At a manhole or sampling chamber ☐

Other (please specify)

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

☐☐ / ☐☐☐☐☐ / ☐☐☐☐ (please indicate on accompanying plans)

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

None - insufficient flow

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 ☒

Filterbed, installed in 1960's

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

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

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.

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).

CG 0375902 01
CG 0375903 01
CG 0375901 01

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

3 SITE DETAILS

3.1 Please give the name of the relevant Planning Authority.

Gwynedd CBC
Snowdonia National Park Authority

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) ☒

Electricity Generator

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 checked="" type="checkbox"/> | | |

Dŵr Cymru

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 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 checked="" type="checkbox"/> | 8. Coastal Water (see note vii) | <input type="checkbox"/> |

State name of receiving water if known:

Llyn Bn-y-Grisiau

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?

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

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

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

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

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

(i) Depth of lining

(ii) Depth of perforated lining

(iii) Depth of unperforated lining

(g) A percolation test must be carried out in accordance with British Standard BS6297:1983.

Have the results been provided?

4.3 Is there a foul sewer available to which the discharge(s) could be made (see note viii)?

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

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.

* MR DAVID FRANKLAND
* DIRECTOR
* FIRST HYDRO COMPANY
* DINORWIG POWER STATION
* LLANBERIS
* GWYNEDD
Post Code: LL28 50R

Daytime Telephone Number: 01286 670166

Company Registration Number (if appropriate): ~~2704476~~ 2444277

- (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:

*
*
*
*
*
*

FINANCE DEPARTMENT
ADDRESS AS 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.

This discharge has been operational since the power station was constructed. Although no problems have occurred, recent discussions with Bangor EA suggest that it should now become a consented discharge.

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: <u>S. Lees</u>	PRINT NAME: <u>S. LEES</u>
ON BEHALF OF: <u>First Hydro Company</u>	DATED: <u>14/12/00</u>

- o o -

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.

Ffeshniog Power Station
Bry-Crsiau
Blaenau Ffeshniog

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

1 filter bed treatment plant - already
installed + operational since 1960's.

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.

(see note (ii) in main guidance notes for population equivalents)

m³/d

b) Dry weather flow of discharge(s).

m³/d

c) Average daily flow.

5.4 m³/d

d) Maximum rate of discharge(s)

l/s

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

Y/N

If yes, please complete Annexe 2.

5. a) Will any self monitoring take place?

Y/N

If yes, please give details.

None proposed

b) Will automatic sampling equipment be provided?

Y/N

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

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

Max 30 skib on site

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

Possible increase during summer maintenance periods, but contractors bring portable toilets.

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

small industrial

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.*



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.

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.

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

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

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

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.

 l/s

b) Maximum flow to storm tanks.

 l/s

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.

 m³

b) Retention time of storm tanks at maximum flow.

 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

10. What provisions will be made to deal with:

a) power failure (eg. standby generators)?

b) mechanical breakdown (eg. standby 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.

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

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)

a) Will any self monitoring take place?

Y/N

If yes, please give details.

b) Will automatic sampling equipment be provided?

Y/N

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

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?

Y/N

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

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.

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			
Insecticides (eg. Aldrin, Dieldrin)				Tributyltin compounds			
Endosulfan				Trichlorobenzene			
Fenitrothion				Trichloroethane			
Fenthion				Trichloroethylene			
Fluocofuron				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.*



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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.

Ffestiniog Power Station, Tŷ-y-Grisiau, Blaenau
ffestiniog

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):

Pipe 6 inches

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

Sewage plant is existing. No main sewerage in the area. Need to consent has recently arisen following wider discussions with the EA in Bangor.

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

☒ N

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

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

Tick

☐

8. Please state:

Population served (head)

30 (including shift workers)

Consumption (l/head/day) default = 180

5400 litres

Infiltration (m³/day)

Industrial effluent flow (m³/day)

Dry Weather Flow (m³/day)

SOCA (l/sec)

Predicted spill frequency (per annum)

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.



• grid reference

031

02'

04'

4° 00'

4.
59'

MEIRIONNYDD NANT CONWY

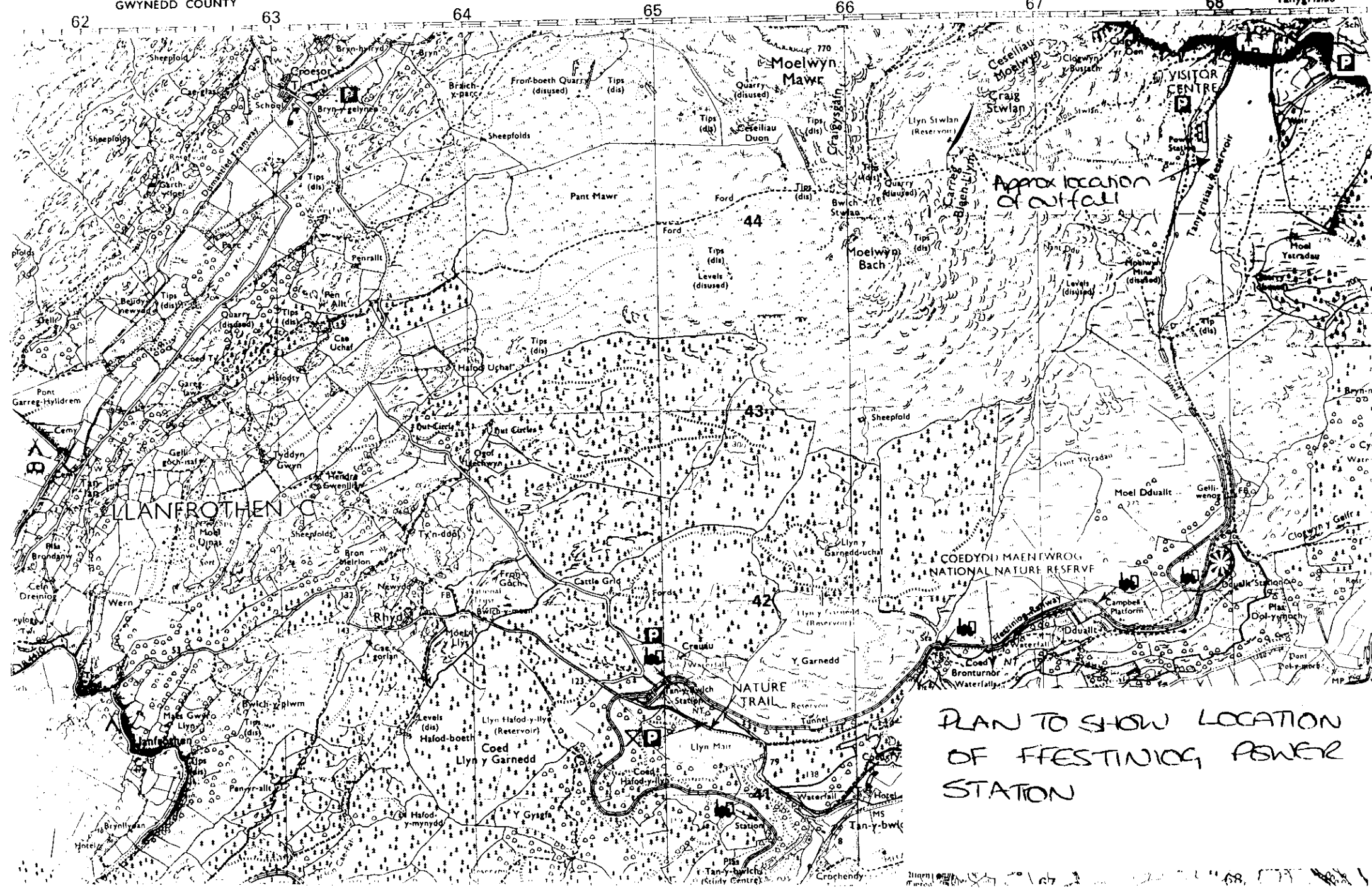
Tanygrislau

GWYNEDD COUNTY

MEIRIONNYDD DISTRICT

67

68



(PUBLIC REGISTER)

Dinorwig Power Station, Llanberis, Gwynedd, LL55 4TY
Telephone: 01766 833289
Fax: 01766 833200

**Fax**

To:	Wendy Price	From:	Sue Lees, Environmental Adviser
Fax:	01244 550144	Pages:	2
Phone:	01244 550124	Date:	07/06/01
Re:	Consent to Discharge	CC:	

☐ Urgent ☐ For Review ☐ Please Comment ☐ Please Reply ☐ Please Recycle

WATER RESOURCES ACT 1991**APPLICATION FOR CONSENT TO DISCHARGE (CG0393301)**

Thank you for your fax, which I received today.

I have checked the grid reference, as you requested and note that there has been a mistake. The grid reference of the outfall is SH 679442 as marked on the attached plan. I hope this answers your queries.

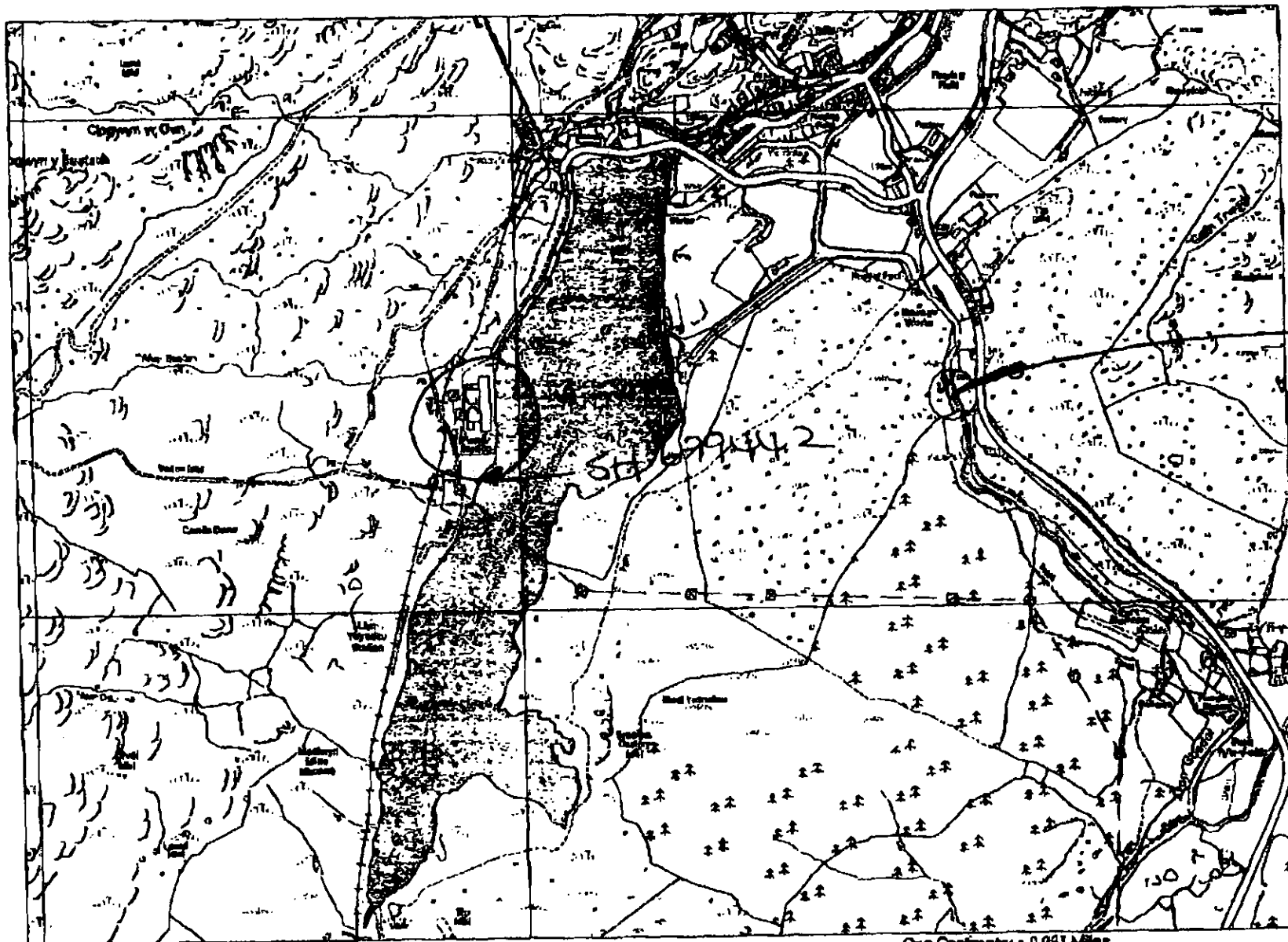
Yours sincerely

Sue Lees

Environmental Adviser



CG0393301_2006_03_03



One Centimeter = 0.091 Miles
Miles 0.1 0.2 0.3 0.4 0.5 0.6 0.7 0.8 0.9

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ASiantaeth YR
AMGYLCHEDD CYMRU
ENVIRONMENT
AGENCY WALES

Eich cyf/Your ref.

Ein cyf/Our ref. WP/EF/CG0393301

Dyddiad/Date: 20 June 2001

Director
First Hydro Company
Dinorwig Power Station
Llanberis
Gwynedd LL28 5DR

Dear Sir

**RE: WATER RESOURCES ACT 1991, SCHEDULE 10 (AS AMENDED BY THE ENVIRONMENT ACT 1995) APPLICATION FOR CONSENT TO DISCHARGE AT SH 6790 4420 BY FIRST HYDRO COMPANY FROM PREMISES AT FFESTINIOG POWER STATION.
APPLICATION NO. CG0393301**

Further to your application the Agency has decided that consent should be given subject to conditions. I enclose the Agency's formal consent to discharge biologically treated sewage effluent from Ffestiniog Power Station.

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

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

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

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

Asiantaeth yr Amgylchedd Cymru
Ffordd Caer, Bwcle, Sir y Fflint CH7 3AJ
Ffon 01244 550124 Ffacs 01244 550144

Environment Agency Wales
Chester Road, Buckley, Flintshire CH7 3AJ
Tel 01244 550124 Fax 01244 550144



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 is 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.

If you have any queries regarding the enforcement of this consent, please do not hesitate to contact Iwan Thomas, Team Leader Environment Protection, Environment Agency Wales, Llwyn Brain, Ffordd Penlan, Parc Menai, Bangor LL57 4DE.

Yours faithfully,

 Elaine Frankland

LISA EAGLE

Team Leader Customer Contact and Authorisations

Enc.

CONSENT NO.	CG0393301
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ASiantaeth YR
AMGYLCHEDD CYMRU
ENVIRONMENT
AGENCY WALES

COPY

WATER RESOURCES ACT 1991

SECTION 88 - SCHEDULE 10

(AS AMENDED BY THE ENVIRONMENT ACT 1995)

CONSENT TO DISCHARGE

**TO: Director
First Hydro Company
Dinorwig Power Station
Llanberis
Gwynedd
LL28 5DR**

The **ENVIRONMENT AGENCY** ("The Agency") in pursuance of its powers under the Water Resources Act 1991 **HEREBY CONSENTS** to the making of a discharge **OF SEWAGE EFFLUENT**, as follows:

Biologically-treated Sewage Effluent

FROM: Ffestiniog Power Station

AT: Tan-y-Grisiau, Blaenau Ffestiniog

TO: Llyn Tan-y-Grisiau

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

Biologically-treated Sewage Effluent

Schedule No. CG0393301 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, altering this consent, without the agreement in writing of the consent holder, during a period of 4 years from the date this consent takes effect.

This consent is issued and takes effect on the 20th day of June 2001

Signed 
Water Quality Consents Team Leader

Asiantaeth yr Amgylchedd
Ffordd Caer, Bwcle, Sir Fflint CH7 3AJ Ffon 01244 550124 Ffacs 01244 550144

Environment Agency
Chester Road, Buckley, Flintshire CH7 3AJ Tel 01244 550124 Fax 01244 550144





CONSENT NO.	CG0393301
SCHEDULE NO.	CG0393301 01
DATE ISSUED	20 June 2001

CONDITIONS OF CONSENT TO DISCHARGE

Biologically-treated Sewage Effluent ("the Discharge")

FROM: Ffestiniog Power Station, Tan-y-Grisiau, Blaenau Ffestiniog

- 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 biologically-treated sewage effluent containing no trade effluent, arising from Ffestiniog Power Station, Tan-y-Grisiau.

LOCATION

- 3 The Discharge shall be made in the manner and at the place specified as:
 - (a) discharging via a 6 inch diameter pipe;
 - (b) discharging to Llyn Tan-y-Grisiau;
 - (c) at National Grid Reference SH 6790 4420;
 - (d) shown marked 'Discharge Point' on Plan CG 0393301 attached as Annex 1.

SAMPLING POINTS

- 4 The outlet to the watercourse shall be constructed, maintained and appropriately labelled so that a representative sample of the Discharge may be obtained at National Grid Reference SH 6790 4420 as shown marked 'Discharge Point' on Plan CG0393301.





CONSENT NO.	CG0393301
SCHEDULE NO.	CG0393301 01

VOLUME

- 5 The volume of the Discharge shall not exceed 1.65 cubic metres per day.

COMPOSITION

- 6 As far as is reasonably practicable, the treatment plant shall be operated so as to prevent:
- (a) any matter being present in the Discharge 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.
- 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 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.





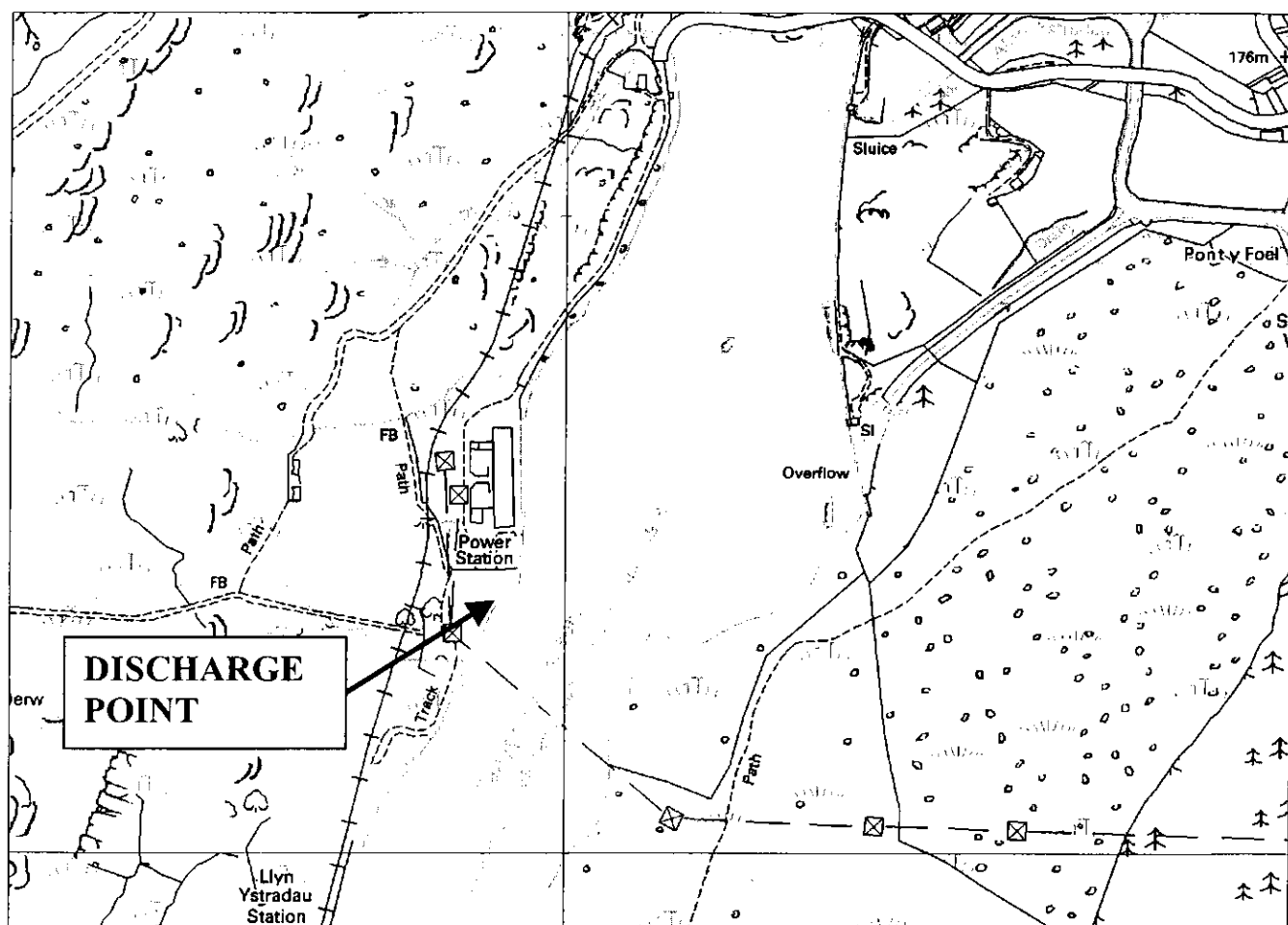
ASiantaeth yr
Amgylchedd Cymru
Environment
Agency Wales

CONSENT NO.

CG0393301

ANNEX 1

Plan CG0393301



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ASiantaeth Yr
Amgylchedd Cymru
ENVIRONMENT
AGENCY WALES

Application No. NT/2001/0000xx/C

Reference No. CG0393301

ENVIRONMENT AGENCY

WELSH REGION

WATER RESOURCES ACT 1991 - SCHEDULE 10 (as amended by the Environment Act 1995)

NOTICE REQUIRING FURTHER INFORMATION TO SUPPORT APPLICATION FOR DISCHARGE CONSENT

To: Mr D Frankland
Director
First Hydro Company
Dinorwig Power Station
Llanberis Gwynedd LL28 5DR

Application For Consent to discharge from Ffestiniog Power Station

In pursuance of its powers under paragraph 1(4) of Schedule 10 to the Water Resources Act 1991 the **Agency** gives you **NOTICE** that further information, as detailed in the attached Schedule, is required for the purpose of determining the above application for Consent and should be provided to the **Agency** at the following address within the period of (28 days) from the date of this notice.

Address to which information should be sent:

Mrs E Frankland
Environment Agency Wales
Chester Road
Buckley
Flintshire CH7 3AJ

Signed: *E. Frankland*
Lisa Eagle
Team Leader, Customer Contact

Date: 7 March 2001

NOTES

- 1 If you fail to provide the information required by this notice within the period specified above, we will refuse to proceed with your application.
- 2 You may apply to the Agency for this notice and any of the information provided in response to be excluded from the Public Register on the grounds that it is commercially confidential. Please include any application for confidentiality and associated reasons with your response to this notice.
- 3 If it appears to you that it would be contrary to the interests of national security for any information provided in response to this notice to be entered on the Public Register, you may give notice to that effect to the Secretary of State for the Environment. Please include a copy of any notice given to the Secretary of State for the Environment with your response to this notice.
- 4 Subject to any decision that the information provided in response to this notice is commercially confidential or would affect national security, it will be placed on the Public Register.

The Schedule is attached.





ASiantaeth Yr
Amgylchedd Cymru
ENVIRONMENT
AGENCY WALES

Application No.	CG0393301
Date issued	7 March 2001

SCHEDULE OF FURTHER INFORMATION REQUIRED

Could you please supply the following information:

1. In the guidance note, the per capita volume for office staff is 55 litres/day. Can you please explain the basis for your volume calculations. If the 30 staff are office workers, can you provide revised discharge volumes.
2. Can you confirm that the discharge enters the lake via a single point source ie directly from a pipe.
3. Can you clarify the grid reference for the discharge, as the figures provided do not correlate with the map location.





ASiantaeth YR
AMGYLCHEDD CYMRU
ENVIRONMENT
AGENCY WALES

Eich cyf/Your ref.

Ein cyf/Our ref. EF/CG0393301

Dyddiad/Date: 7 March 2001

Mr D Frankland
Director
First Hydro Company
Dinorwig Power Station
Llanberis
Gwynedd LL28 5DR

Dear Mr Frankland

WATER RESOURCES ACT 1991, SCHEDULE 10 (AS AMENDED BY THE ENVIRONMENT ACT 1995), APPLICATION FOR CONSENT TO DISCHARGE SEWAGE EFFLUENT BY FIRST HYDRO COMPANY FROM FFESTINIOG POWER STATION.

APPLICATION NO: CG0393301

Initial consideration has been given to the application and we find that we cannot proceed with the application until further information is provided. The attached notice gives details of the information required to enable us to proceed, and the timescale for providing us with the information.

If we do not hear from you by (*28 days from this notice*) we may refuse to proceed with the application. If you need more time to collect the information please let us know before this date.

Legislation allows 4 months, from the date the application is complete, to determine your application. This 4-month period will not start until you have provided this information asked for.

When the full information is received, the Agency is required to advertise the application unless it considers that the proposed discharge is **unlikely to have** any appreciable effect on the receiving watercourse. This would involve placing a notice in local newspaper(s) and in the London Gazette at your expense. I will contact you again should advertising be required.

Asiantaeth yr Amgylchedd Cymru
Ffordd Caer, Bwcle, Sir y Fflint CH7 3AJ
Ffon 01244 550124 Ffacs 01244 550144

Environment Agency Wales
Chester Road, Buckley, Flintshire CH7 3AJ
Tel 01244 550124 Fax 01244 550144





ASiantaeth YR
AMGYLCHEDD CYMRU
ENVIRONMENT
AGENCY WALES

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

Yours sincerely

E. Frankland

Lisa Eagle
Customer Contact Team Leader

Please ask for Elaine Frankland

Asiantaeth yr Amgylchedd Cymru
Ffordd Caer, Bwcle, Sir y Fflint CH7 3AJ
Ffôn 01244 550124 Ffacs 01244 550144

Environment Agency Wales
Chester Road, Buckley, Flintshire CH7 3AJ
Tel 01244 550124 Fax 01244 550144



Mrs E Frankland
Environment Agency Wales
Chester Road
Buckley
Flintshire
CH7 3AJ

Your Ref: EF/CG0393301

Our Ref: SL/EA/Ffest

15 March 01

Dear Mrs Frankland

FFESTINIOG POWER STATION - APPLICATION NO. CG0393301

Thank you for your letter of 7 March requesting more details for the above application.

- 1 The 30 workers are office and operational staff. We assumed a consumption of 180 litres/head/day as we thought the guidance provided this figure. However as you indicate at 55 litres per day the discharge volume would be 1650 litres.
- 2 The treated discharge enters the lake via a single point source from a pipe.
- 3 The grid reference for the discharge point is 689444.

I hope this answers your queries. If there is any additional information, please do not hesitate to contact me.

Yours sincerely



Sue Lees
Environmental Adviser

RECEIVED
16
BUCKLEY



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/Area Address

Regional Finance Manager
Environment Agency Wales
PO Box 663
Cardiff
CF2 1YD

Official Use Only

Dist/Area Ref:

Application No. C60393301

Date Received: 21/2/01

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.

Ffestniog Power Station
Tan-y-Crisiau
Blaneau Ffestniog
Gwynedd

Post Code:

LL4 3TP

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

5.4 m³/day

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

Max storage on site = 30 - default 180 litre
per head / 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) ☐

Pipe is 6 inch diameter

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

☐☐ / ☐2☐6☐7☐9 / ☐3☐4☐4☐3 (please indicate on accompanying plans)

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

At the outlet ☒

At a manhole or sampling chamber ☐

Other (please specify)

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

☐☐ / ☐☐☐☐☐ / ☐☐☐☐ (please indicate on accompanying plans)

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

None - insufficient flow

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



Filterbed, installed in 1960's

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

2.6

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

/ /

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.

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).

CG 0375 902 01
CG 0375 903 01
CG 0375 901 01

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.

Gwynedd CBC
Snowdonia National Park Authority

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)

☒

Electricity Generator

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 checked="" type="checkbox"/> | | |

Dŵr Cymru

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 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 checked="" type="checkbox"/> | 8. Coastal Water (see note vii) | <input type="checkbox"/> |

State name of receiving water if known:

Llyn Bn-y-Grisiau

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?

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

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

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

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

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

(i) Depth of lining

(ii) Depth of perforated lining

(iii) Depth of unperforated lining

(g) A percolation test must be carried out in accordance with British Standard BS6297:1983.

Have the results been provided?

4.3 Is there a foul sewer available to which the discharge(s) could be made (see note viii)?

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

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.

* MR DAVID FRANKLAND
* DIRECTOR
* FIRST HYDRO COMPANY
* DINORWIG POWER STATION
* LLANBERIS
* GWYNEDD

Post Code: LL28 50R

Daytime Telephone Number: 01286 670166

Company Registration Number (if appropriate): ~~2704476~~ 2444277

(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:

* FINANCE DEPARTMENT
* ADDRESS AS 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.

This discharge has been operational since the power station was constructed. Although no problems have occurred, recent discussions with Bangor EA suggest that it should now become a consented discharge.

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: <u>S. Lees</u>	PRINT NAME: <u>S. LEES</u>
ON BEHALF OF: <u>First Hydro Company</u>	DATED: <u>14/12/00</u>

--- o o o ---

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 Annex 3 should also be completed).

Official Use Only
Application No.

1. Site Name.

Ffeshiniog Power Station
bn-y-Gniskau
Blaenau Ffeshiniog

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

1 filter bed treatment plant - already
installed + operational since 1960's.

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.
(see note (ii) in main guidance notes for population equivalents)
- b) Dry weather flow of discharge(s).
- c) Average daily flow.
- d) Maximum rate of discharge(s)

m³/d

m³/d

5.4 m³/d

l/s

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

Y/N

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

Y/N

None proposed

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.

Max 30 skib on site

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

Possible increase during summer maintenance periods, but contractors bring portable's.

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

small industrial

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.*



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.

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.

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

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

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

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.

 l/s

b) Maximum flow to storm tanks.

 l/s

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.

 m³

b) Retention time of storm tanks at maximum flow.

 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

10. What provisions will be made to deal with:

a) power failure (eg. standby generators)?

b) mechanical breakdown (eg. standby 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.

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

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)

a) Will any self monitoring take place?

Y/N

If yes, please give details.

b) Will automatic sampling equipment be provided?

Y/N

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

5. 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?

Y/N

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

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.

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			
Insecticides (eg. Aldrin, Dieldrin)				Tributyltin compounds			
Endosulfan				Trichlorobenzene			
Fenitrothion				Trichloroethane			
Fenthion				Trichloroethylene			
Flucifuron				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.*



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.

Ffestiniog Power Station, Tŷ-y-Grisiau, Bala, ffestiniog

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):

Pipe 6 inches

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

Sewage plant is existing. No main sewerage in the area. Need to consent has recently arisen following wider discussions with the EA in Bangor.

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

☒ N

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

Tick

☐



ASiantaeth Yr
AMGYLCHEDD
ENVIRONMENT
AGENCY

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:

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

Tick

☐

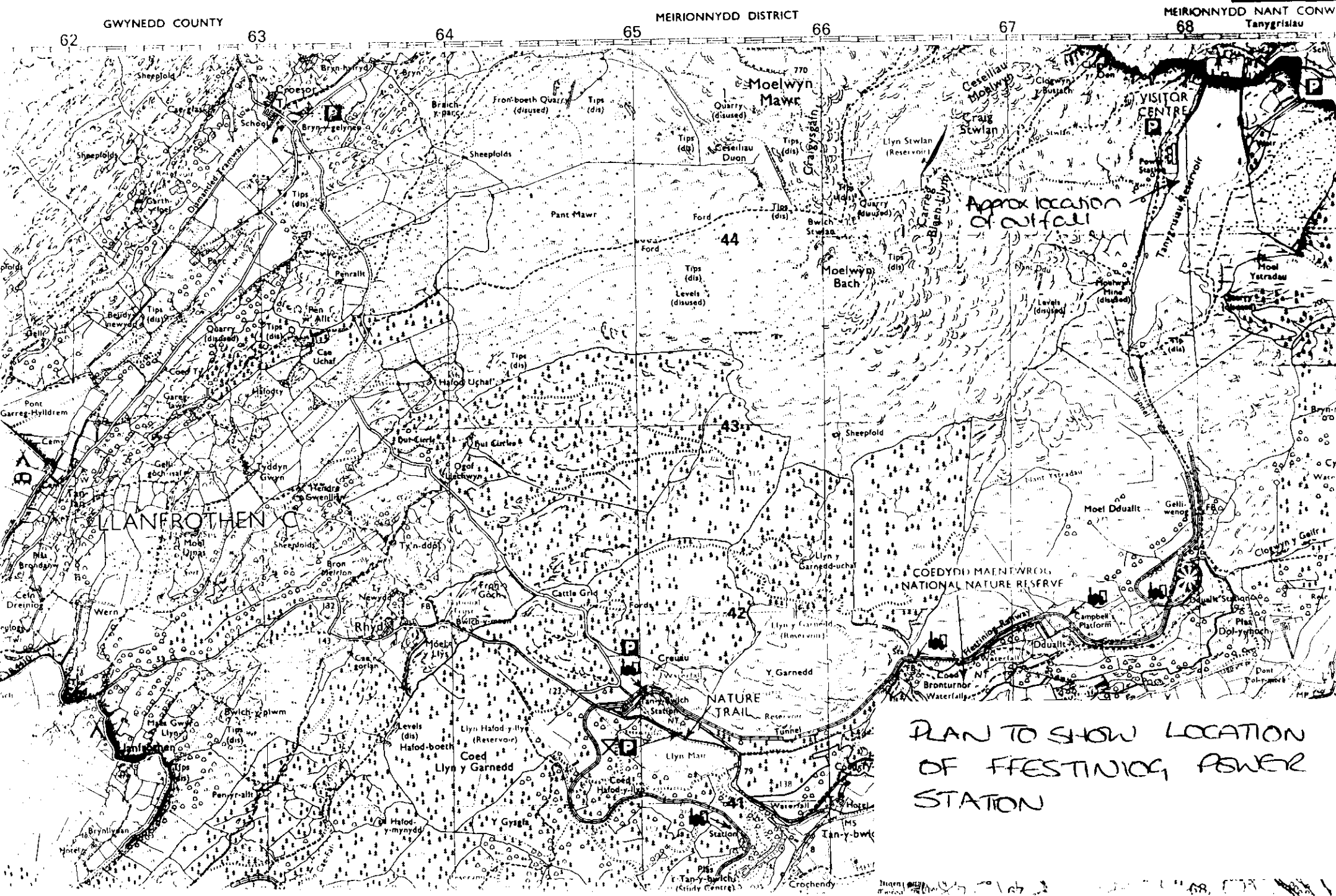
8. Please state:

Population served (head)	<u>30 (including shift workers)</u>
Consumption (l/head/day) default = 180	<u>5400 litres</u>
Infiltration (m ³ /day)	
Industrial effluent flow (m ³ /day)	
Dry Weather Flow (m ³ /day)	
SOCA (l/sec)	
Predicted spill frequency (per annum)	

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.





PLAN TO SHOW LOCATION
OF FFESTINIOG POWER
STATION