

COPY

CONSENT NO.	CG0342902
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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 Cyf.  
Pentwyn Road  
Nelson  
Treharris  
Mid Glamorgan CF46 6LY



CG0342902\_2006\_03\_06

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 STORM SEWAGE** as follows:  
Settled Storm Sewage with respect to Consent No. CG0342902 issued on the 24<sup>th</sup> November 1993

**FROM: LLANFAES WASTEWATER TREATMENT WORKS STORM TANK**

**AT: OFF FFORDD EGLWYS, LLANFAES, BEAUMARIS, ANGLESEY LL58 8LD**

**TO: MENAI STRAIT**

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

Settled Storm Sewage

Schedule No. CG 0342902 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 on the 27<sup>th</sup> day of February 2004

This variation of consent takes effect on the 31<sup>st</sup> day of March 2005

Signed .....  
**EMYR JONES**  
Environment Management Team Leader

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

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





CONSENT NO.	CG0342902
SCHEDULE NO.	CG0342902 01
DATE ISSUED	27 <sup>th</sup> February 2004

## CONDITIONS OF CONSENT TO DISCHARGE

Settled Storm Sewage ("the Discharge")

**FROM: Llanfaes Wastewater Treatment Works, Off Ffordd Eglwys, Llanfaes,  
Beaumaris, Anglesey LL58 8LD**

### NATURE

1. The Discharge shall consist solely of settled storm sewage.

### LOCATION

2. The Discharge shall be made in the manner and at the place specified as:
  - (a) discharging via a 328 millimetre diameter pipe;
  - (b) discharging to Menai Strait;
  - (c) at National Grid Reference SH 61494 77308;
  - (d) shown marked Consent Point on Plan CG0342902 attached as Annex 1.

### SAMPLING POINTS

3. A sample point shall be provided and maintained at National Grid Reference SH 60865 77307, as shown marked 'Discharge Sample Point' on Plan number CG0342902 attached as Annex 1, or some other point as agreed in writing with the Agency, so that a representative spot 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 being discharged into controlled waters.



<b>CONSENT NO.</b>	<b>CG0342902</b>
<b>SCHEDULE NO.</b>	<b>CG0342902 01</b>



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AGENCY WALES**

## **VOLUME**

4. The Discharge shall occur when and only for as long as, the storm tanks are full. The discharge of storm sewage to the storm tank shall only occur when the rate of flow at the storm sewage separating weir is in excess of 20.8 litres per second due to rainfall and/or snow melt and shall consist only of flows in excess of this figure. The storm tanks shall be emptied and their contents returned for full treatment as soon as practicable after cessation of the overflow to the storm tanks.
5. The capacity of the storm tank(s) shall be at least 335 cubic metres.

## **COMPOSITION**

6.
  - (a) The discharge shall have passed, without prior comminution or maceration, through a screening device having apertures no greater than 6mm in two dimensions.
  - (b) The screening device shall be maintained in an efficient operational condition.
  - (c) All screenings must be removed and disposed of in a manner such as to prevent entry to the discharge.

## **WORKS OPERATION**

7.
  - (a) The works shall be operated and the effluent shall be treated in a manner which, so far as reasonably practicable, minimises the polluting effects of the discharge made from the works on controlled waters.
  - (b) This condition does not require any alteration of the works or a change in the type of treatment used.



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<b>SCHEDULE NO.</b>	<b>CG0342902 01</b>



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## **SUBSTANTIAL CHANGE**

8. (a) 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.
- (b) A discharge of trade effluent into the works is new if -
- (i) 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
  - (ii) it is made by a third party and the discharge is authorised on or after that date.
- (c) A discharge of trade effluent into the works is altered if -
- (i) it is made by the sewerage undertaker and its composition or quantity changes significantly on or after date of variation of this consent ; or
  - (ii) it is made by a third party and the alteration of the discharge is authorised on or after that date.
- (d) 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 characteristics of the discharge which are specifically regulated by other conditions of this consent schedule but it may be significant if it is caused by a change in some other characteristic of the discharge.
- (e) For the purposes of this condition “trade effluent” means -
- (i) any discharge by the sewerage undertaker other than
    - (1) domestic sewage from premises connected directly or indirectly to the works; or
    - (2) surface water run-off;
  - (ii) 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.



<b>CONSENT NO.</b>	<b>CG0342902</b>
<b>SCHEDULE NO.</b>	<b>CG0342902 01</b>



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Environment  
Agency Wales**

### **UNAUTHORISED DISCHARGE**

9.
  - (a) 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.
  - (b) 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.
  - (c) 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.

### **RECORDING AND REPORTING**

10.
  - (a) The Consent Holder shall establish and operate a documented maintenance programme and record all non-routine actions undertaken that may have adversely affected the operation of the storm tanks. Copies of the programme shall be made available for inspection by the Agency's officers at all reasonable times.
  - (b) On request the Consent Holder shall supply the Agency with a written report on the maintenance and all non-routine actions that may have adversely affected the operation of the storm tanks.
11. A recording system shall be provided and maintained to record the frequency and duration of overflow events.
12.
  - a) The Consent Holder shall supply both the relevant Local Food Authority and the Agency, with an annual written report of the operation of the storm tank overflow, to include date, start time and duration of each spill in accordance with the format provided by the Agency.
  - b) Provision of this report will coincide with the annual classification under the Shellfish Hygiene Directive. The report shall cover the 12 month period 1<sup>st</sup> April – 31<sup>st</sup> March inclusive, and shall be provided by the end of the following May.
13. On request, the Consent Holder shall supply the Agency with written details of individual spill event(s).



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<b>SCHEDULE NO.</b>	<b>CG0342902 01</b>



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Environment  
Agency Wales**

## **START DATE**

14. Until discharge is permitted under the terms of this consent, the quality of the effluent from Beaumaris Sewage Treatment Works shall be controlled under the terms of the consent issued on 24<sup>th</sup> November 1993. There shall be no discharge under the terms of this consent until the 31<sup>st</sup> March 2005 or the end of commissioning of the works which ever is the sooner. The Consent Holder shall give the Agency at least 28 days written notice before making the discharge.



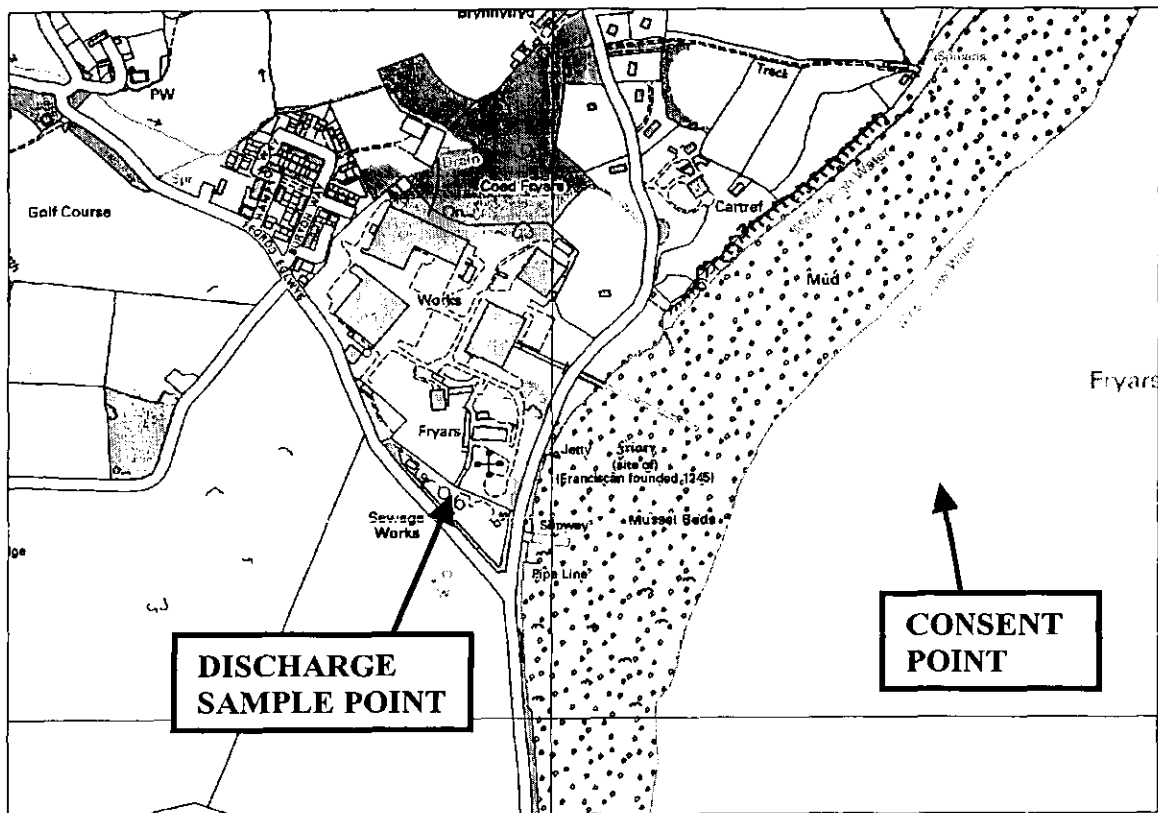


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## ANNEX 1

PLAN No CG0342902



NOT TO SCALE



Eich cyf/Your ref.  
Ein cyf/Our ref. IH/RP/CG0342902  
Enquiries Ruth Prichard  
Dyddiad/Date: 1<sup>st</sup> March 2004



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AGENCY WALES

Environment Quality Scientist  
Dwr Cymru Cyf  
Pentwyn Road  
Nelson  
Treharris  
Mid Glamorgan  
CF46 6LY

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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 CG0342902.**

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 storm sewage from Llanfaes Wastewater Treatment Works Tank, Off Ffordd Eglwys, Llanfaes, Beaumaris, Anglesey, LL58 8LD.

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 at 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.

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**

If you have any queries regarding the enforcement of this code please contact Emyr Jones Team Leader Environment Protection, Environment Agency, Llyn Brian, Ffordd Penlan, Parc Menai, Bangor, Gwynedd, LL57 4DE.

Yours sincerely,

**Kelvin Graham**  
**Team Leader Customer Contact and Authorisations**  
Enc.

**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



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Eich cyf/Your ref.

Ein cyf/Our ref. WP/RP/CG0342901/0342902

Dyddiad/Date: 20<sup>th</sup> November 2003

Ms Smith  
CCW,  
North West Area,  
Llys y Bont,  
Ffordd y Parc,  
Parc Menai,  
Bangor,  
Gwynedd, LL57 4BH

Dear Kate Smith,

**WATER RESOURCES ACT 1991, SCHEDULE 10 (AS AMENDED BY THE ENVIRONMENT ACT 1995): FORMAL CONSULTATION. APPLICATION FOR CONSENT TO DISCHARGE SEWAGE EFFLUENT UNDER STORM OR EMERGENCY CONDITIONS BY DWR CYMRU CYF FROM LLANFAES WWTW, OFF Fford EGLWYS, LLANFAES, BEAUMARIS, ANGLESEY, LL58 8LD**  
**APPLICATION NO: CG0342901** [REDACTED]

I append a copy of the application for consent to discharge received from Dwr Cymru Cyf and Appendix 11. If you have any comments regarding this application could you please respond by 4<sup>th</sup> December 2003.

Yours sincerely

**Kelvin Graham**  
**Team Leader Customer Contact & Authorisations**

Please ask for Ruth Prichard ext 4502

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



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## APPENDIX 11

### Form HR01: Proforma for new applications within Stage 2 criteria.



ENVIRONMENT  
AGENCY

Environment Agency Record of Assessment of Likely Significant Effect On A European Site (Stage 2)

The new application for a please fill in details detailed below is within the Stage 1 criteria of please fill in details, and in order to progress the application a Stage 2 assessment and consultation with EN/CCW is required.

#### PART A

To be completed by relevant technical/project officer in consultation with Conservation/Ecology section and EN/CCW

1. Type of permission/activity:	Water Resources Act (1991) (as amended by Environment Act 1995) consent to discharge
2. Agency reference no:	1 - CG0342901 2 - CG0342902 (Storm)
3. National Grid reference:	SH 61494 77308
4. Site reference:	Llanfaes WWTW Final Effluent (FE) and Storm Off Ffordd Eglwys Llanfaes Beaumaris Anglesey LL58 8LD
5. Brief description of proposal:	This is an application to discharge:  1 – 1796.5m <sup>3</sup> per day into the Menai Strait, the existing primary treatment works will be upgraded with a new biological treatment process to meet requirements for secondary treatment. New activated sludge aeration tank to be constructed and conversion of primary tank to a final settlement tank.  2 – 5361.5m <sup>3</sup> per day into the Menai Strait, as a storm discharge, in the event of increased surface water (due to storm event) generating more flow than can be treated at the works. The discharge will only occur during these storm conditions
6. European site name(s) and status:	Treath Lafan/Lavan Sands Conwy Bay SPA UK9013031  Y Fenai a Bae Conwy/Menai Strait and Conwy Bay CSAC UK0030202  Traeth Lafan SSSI

7. <b>List of interest features:</b>	1.12 – Estuarine and intertidal habitats  1.13 – Submerged marine habitats  3.8 – Birds of coastal habitats  3.9 – Birds of estuarine habitats	
8. <b>Is the proposal directly connected with or necessary to the management of the site for nature conservation?</b>	No	
9. <b>What potential hazards are likely to affect the interest features?</b> (Refer to relevant sensitivity matrix and only include those to which the interest features are sensitive). <b>Are the interest features potentially exposed to the hazard?</b>		
Sensitive Interest Feature:	Potential hazard:	Potential exposure to hazard and mechanism of effect/impact if known:

<b><u>Menai Strait and Conwy Bay cSAC</u></b>		
<b>1.12 Estuarine and intertidal habitats</b> Mudflats and sandflats not covered by sea water at low tide	A, b, d, e, f, g, h	
<b>1.13 Submerged marine habitats</b> Large shallow inlets and bays Reefs Sandbanks that are slightly covered by sea water all the time Submerged or partly submerged sea caves	A, b, d, e, g, h	
<b><u>Treath Lafan SPA</u></b>		
<b>3.8 Birds of costal habitats</b> Oystercatcher	A, b, d, e, g	
<b>3.9 Birds of estuarine habitats</b> Oystercatcher	A, b, d, e, f, g, h	
<b>Key:</b>  A – Toxic contamination B – Nutrient enrichment C – PH changes D – Changes in salinity regime E – Changes in thermal regime F – Physical damage G – Turbidity H – Siltation		

**10. Is the potential scale or magnitude of any effect likely to be significant?**

<b>a) Alone?</b> (explain conclusion, e.g. in relation to de minimus criteria)	No
<b>b) In combination with other plans or projects?</b> (Explain conclusion and which plans/projects have been included, including those associated with other functions).	No

<p><b>11. Conclusion:</b>  <b>Is the proposal likely to have a significant effect 'alone or in combination' on a European site?</b>          (justification – attach any relevant supporting information)</p>	<p>No - Both applications are to vary current consented discharges, to reflect improvement works carried out under the AMP 3 programme.</p> <p>The discharge of final effluent from the works will undergo secondary treatment to meet the requirements of the Urban Wastewater Treatment Directive (UWWTD) and The Shellfish Water Directive. This is a Significant improvement over the primary treatment currently applied.</p> <p>With regards to the storm discharge, a 335m<sup>3</sup> storm storage tank will be used to minimise the number of spillages and 6mm screens installed to minimise the impact of any discharge</p> <p>Overall, both applications show an improvement over the current situation and the applications are unlikely to have a significant, detrimental effect</p>	
<p><b>12. Name of EA Officer:</b></p>	Charlotte Lloyd	<p><b>Date:</b> 17/11/03</p>
<p><b>13. EN/CCW comment on assessment:</b></p>		
<p><b>14. Name of EN/CCW Officer:</b></p>		<p><b>Date:</b></p>
<p><b>IF THE PROPOSAL IS LIKELY TO HAVE A SIGNIFICANT EFFECT AN APPROPRIATE ASSESSMENT WILL BE REQUIRED (see part B for suggested scope).</b></p>		

**Part B - SUGGESTED SCOPE OF THE APPROPRIATE ASSESSMENT**

- 

**15. EN/CCW Comment on scope of appropriate assessment:****16. Name of EN/CCW Officer:****Date:**

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



**ENVIRONMENT  
AGENCY**

**Part A**

**To:** DWR CYMRU CYFYNGEDIG  
CONSENTS REGULATION OFFICER  
PLAS-Y-FFYNNON  
CAMBRIAN WAY  
BRECON LD3 7HP

The **Environment Agency** ("the Agency") hereby confirm that the above named person is a/the registered holder of consent CG0342902

Nature of Discharge(s); SEWAGE EFF/STORM EFF/RAINFALL  
at  
BEAUMARIS STW

Note: This certificate should be kept with the consent document for future reference. If you transfer responsibility for the discharge to somebody else you must pass the consent to them and tell the Agency within 21 days. **Responsibility for the consent cannot be disclaimed by the holder but the registration of holder may be transferred to a successor.** To do this please complete the form below, then tear it off and return it to the address shown. If you fail to transfer the consent, even though you are no longer on the site, you may still be liable for prosecution for pollution. If you transfer the consent but do not tell us, you will be committing an offence. In case of any queries please contact your local Environment Agency office.

**Part B** Please complete in block capitals or type.

**To:**

**Water Resources Act 1991: Notice of transfer of consent to discharge**

**Consent:**

**Name:**

**Address:**

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

\* delete as appropriate

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

**Address:**

**Post Code:**

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

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

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





Awdurdod Afonydd Cenedlaethol  
Rhanbarth Cymru



National Rivers Authority  
Welsh Region

Consent No.	CG0342902
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# WATER RESOURCES ACT 1991

Under Section 88 and Schedule 10 of the Water Resources Act 1991 and all other enabling powers the National Rivers Authority hereby gives this

## C O N S E N T

Page 1 of 2

To: Dŵr Cymru Cyfyngedig

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

For: A discharge of settled storm sewage effluent

To: Estuarial waters

From: Beaumaris Sewage Treatment works

### CONDITIONS OF CONSENT

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

Discharging via : a 300 millimetre pipe

Discharging to : The Menai Strait

At OS Grid Ref : SH 6149 7731

As shown marked : 'Consent Point' on the attached drawing No.3F 780/076

3. Adequate facilities, approved in writing by the Authority, shall be provided to enable representative samples of the discharge to be safely and conveniently obtained at any time at a settled storm sewage effluent sampling chamber as shown marked 'Settled Storm Sewage Effluent Sampling Point' on the attached drawing No.3F 780/076.
4. The discharge shall occur when and for as long as the storm tank is full. The discharge to the storm tank shall only occur when the rate of flow at the storm sewage separating weir is in excess of 20.1 litres per second due to heavy or prolonged rainfall and/or thaw and shall consist only of flows in excess of this figure. The storm tank shall be emptied automatically  
continued.....

Rheolwr Cyffredinol Rhanbarthol  
Dr John Stoner  
Highfield  
Ffordd Priestley  
Caernarfon  
Gwynedd  
LL55 1HR  
Ffôn: Caernarfon (0286) 672247  
Ffacs: (0286) 674451

Regional General Manager  
Dr John Stoner  
Highfield  
Priestley Road  
Caernarfon  
Gwynedd  
LL55 1HR  
Tel: Caernarfon (0286) 672247  
Fax: (0286) 674451



Awdurdod Afonydd Cenedlaethol  
Rhanbarth Cymru



National Rivers Authority  
Welsh Region

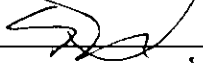
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WATER RESOURCES ACT 1991  
Continuation Sheet

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and its' content returned for full treatment as soon as practicable after cessation of the overflow from the storm tank.

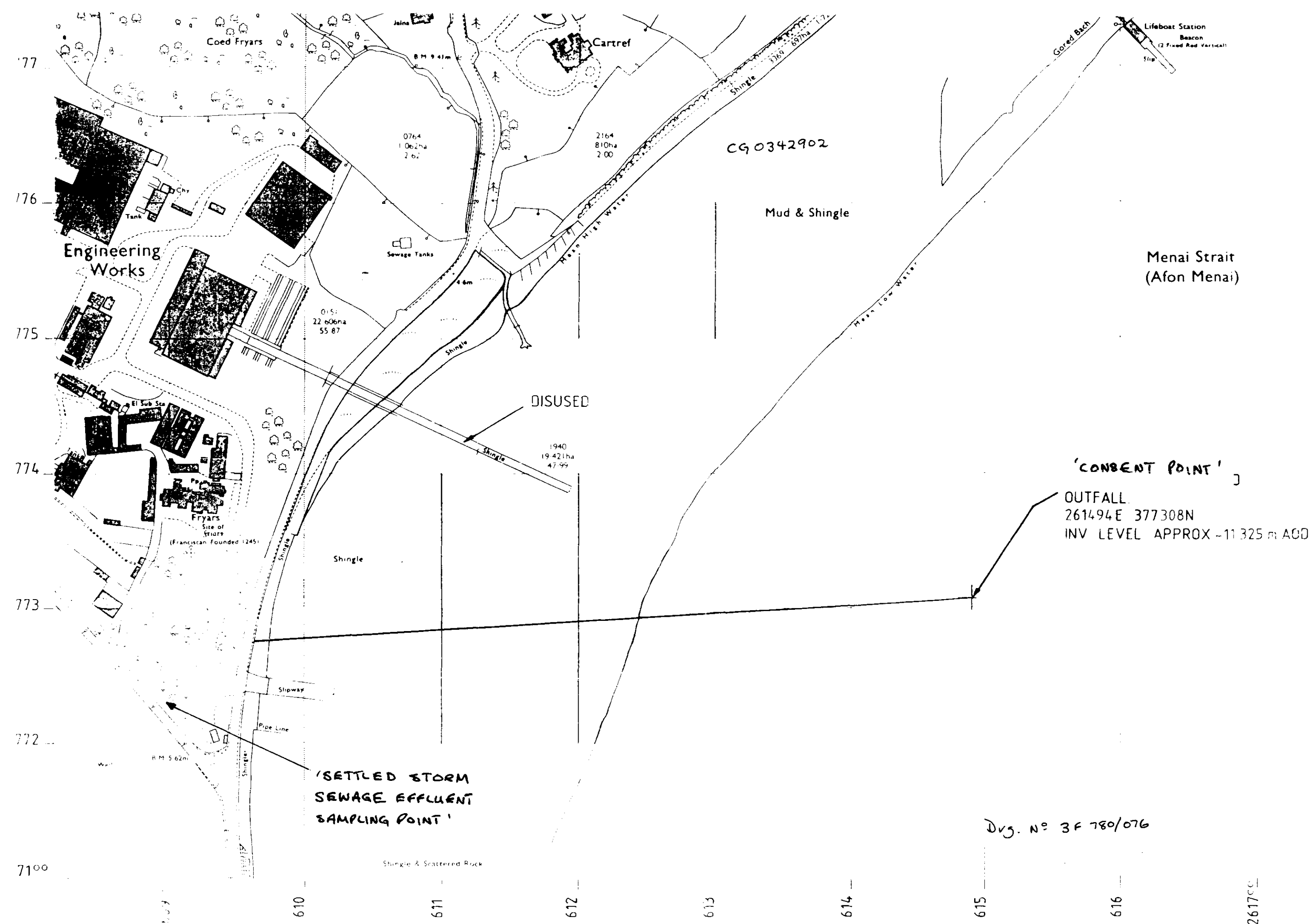
5. The capacity of the storm tank shall be at least 310 cubic metres, and shall be fully utilised before any settled storm discharge occurs.

This Consent is given on: 24 November 1993 on behalf of the Authority  
by:  Area Environmental Quality Manager

During the period ending with the 23 November 1995 the terms of this Consent will not be altered without the written agreement of the person making the discharge.

Rheolwr Cyffredinol Rhanbarthol  
Dr John Stoner  
Highfield  
Ffordd Priestley  
Caernarfon  
Gwynedd  
LL55 1HR  
Ffôn: Caernarfon (0286) 672247  
Ffacs: (0286) 674451

Regional General Manager  
Dr John Stoner  
Highfield  
Priestley Road  
Caernarfon  
Gwynedd  
LL55 1HR  
Tel: Caernarfon (0286) 672247  
Fax: (0286) 674451



'CONSENT POINT'

OUTFALL  
261494 E 377308 N  
INV LEVEL APPROX -11.325 m AOD

Dwg. No 3 F 780/076

② SETTLED STORM SEWAGE

# NATIONAL RIVERS AUTHORITY WATER RESOURCES ACT 1991

Application for consent to discharge  
Schedule 10



The Consents Officer,  
National Rivers Authority,  
Welsh Region,  
Plas-yr-Afon/Rivers House,  
St Mellons Business Park,  
Cardiff,  
CF3 0LT

Official Use Only

Dist/Area Ref. **Northern**

Application No. **CG0342902**

Date Received:

**19-7-93**

PLEASE REFER TO THE ATTACHED NOTES WHEN COMPLETING THE APPLICATION

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

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

Signed *A. H. Lewis* Date *15.7.93*

Authorised on behalf of *DŵR CYMRU CYF*

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

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

If yes please give reference number:

<p>1a Full name and postal address of applicant. (See note 4.)</p> <p>Post Code: Daytime telephone number:</p>	
<p>1b Agent (if any) Full name and postal address</p> <p>Contact name and daytime telephone number</p>	<p>Note: if this box is completed, all correspondence will be sent to this address.</p>

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

\*Delete as necessary

(132770)

2a) Address or other sufficient description of land or premises to which this application relates.	BEAUMARIS STW Site at Llanfaes near Beaumaris.
2b) National Grid Reference of point of discharge.	SH 6149 7731
2c) District Council area.	Ynys Môn Borough Council.
3 State the nature of the discharge. Tick one or more boxes as appropriate. (See note 6.)	Sewage effluent <input type="checkbox"/> Storm/ <del>emergency</del> sewage effluent <input checked="" type="checkbox"/> Trade effluent <input type="checkbox"/> Any other matter (inc. surface water). <input type="checkbox"/>
4 For sewage and trade effluent, and storm/emergency discharges, state:- a) Maximum quantity it is proposed to discharge in one day. (See note 7.) b) Highest rate at which it is proposed to operate the discharge. c) Periods during which the discharge will take place.	$m^3/day$ Max full storm flow: 800 l/sec (i.e. full flow 1000 l/sec - 3DWF).
5 For rainfall dependent discharges, state the area to be drained. (Roof areas and other impervious areas should be separately identified.)	$m^2$
6 Receiving medium Tick the category to which the proposed discharge(s) are to be made. TIDAL RIVER OR STREAM <input type="checkbox"/> INTO LAND <input type="checkbox"/> NON-TIDAL RIVER OR STREAM <input type="checkbox"/> ONTO LAND <input type="checkbox"/> CANAL <input type="checkbox"/> DIRECTLY INTO GROUNDWATER <input type="checkbox"/> LAKE, LOCH OR POND <input type="checkbox"/> INTO LAND AND WATERCOURSE <input type="checkbox"/> (not discharging to a river or stream) COASTAL WATER (see Note 8.) <input checked="" type="checkbox"/>  State name of watercourse, if known:- Y Ffynai / Menai Strait.	

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:-

Sampling chamber shall be installed at STW site.

8 Indicate proposed means of discharge:-

1. Pipe



4. Soakaway



7. Culvert



2. Channel



5. Well



8. Soakaway & sub-irrigation system



3. Borehole



6. 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) 300mm ub Sea Outfall.

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

b)

N/A

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.

: N/A

11 Give brief details of:

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

a)

N/A.

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

b)

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?	
14	Does this proposal replace an existing discharge? If yes give details	<del>YES</del> /NO* Existing Beawman's sewage flows untreated to Menaui Strait.
15	Are there any existing consents for discharge from the premises? (see note 10.) If yes, give details, numbers, if known.	<del>YES</del> /NO* : New Premises.
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 type="checkbox"/>	4. Vehicle parking area <input type="checkbox"/>
	5. Industrial premises <input type="checkbox"/>	6. Fish farm <input type="checkbox"/>
	7. Mineral workings <input type="checkbox"/>	8. WSPLC STW <input checked="" type="checkbox"/>
	9. Water supply <input type="checkbox"/>	10. Other <input type="checkbox"/>
	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?	YES/NO*
b)	Is any part of the system within 10 metres of a watercourse?	YES/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?	YES/NO*
d)	If the answer to either (b) or (c) is "YES" please state the name of the watercourse or sufficient information to identify it.	
e)	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 *Summer *Winter see attached synopsis of Scheme for populations etc.
b)	Give details of the treatment plant to be used (see note 11.)	

20 FOR STORM AND EMERGENCY DISCHARGES AND SURFACE WATER SEWERS

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

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

If other, please give further details:—

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).	:	310 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.)		ALL FLOWS RECEIVED INTO THE WORKS ARE SCREENED 6mm PARTICLE SIZE DURING PRELIMINARY TREATMENT
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?		



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:-



ASiantaeth Yr  
Amgylchedd Cymru  
ENVIRONMENT  
AGENCY WALES

Eich cyf/Your ref.

Ein cyf/Our ref. IH/RP/CG0342902

Dyddiad/Date: 30<sup>th</sup> October 2003

Mr Jim Andrews  
North Western & North Wales Sea Fisheries Committee  
Lancaster University  
Lancaster  
Lancashire  
LA1 4YY

COPY

Dear Mr Andrews

**WATER RESOURCES ACT 1991, SCHEDULE 10 (AS AMENDED BY THE ENVIRONMENT ACT 1995): FORMAL CONSULTATION. APPLICATION FOR CONSENT TO DISCHARGE SEWAGE EFFLUENT (STORM AND EMERGENCY CONDITIONS) BY DWR CYMRU CYF FROM LLANFAES WWTW, OFF FFORD EGLWYS, LLANFAES, BEAUMARIS, ANGLESEY, LL58 8LD**

**APPLICATION NO: CG0342902**

I append a copy of the application for consent to discharge received from Dwr Cymru Cyf. Any comments you wish to make regarding this application must be received by the Agency within six weeks from the date of this letter.

Yours sincerely

**Kelvin Graham**  
**Customer Contact and Authorisations Team Leader**

Please ask for Ruth Prichard ext 4502





ASiantaeth Yr  
AMGYLCHEDD CYMRU  
ENVIRONMENT  
AGENCY WALES

Eich cyf/Your ref.

Ein cyf/Our ref. IH/RP/CG0342902

Dyddiad/Date: 30<sup>th</sup> October 2003

Mr P M Bishop  
Environment Division  
National Assembly for Wales  
Cathays Park  
Cardiff  
CF10 3NQ

COPY

Dear Mr Bishop

**WATER RESOURCES ACT 1991, SCHEDULE 10 (AS AMENDED BY THE ENVIRONMENT ACT 1995): FORMAL CONSULTATION. APPLICATION FOR CONSENT TO DISCHARGE SEWAGE EFFLUENT (STORM AND EMERGENCY CONDITIONS) BY DWR CYMRU CYF FROM LLANFAES WWTW, OFF FFORD EGLWYS, LLANFAES, BEAUMARIS, ANGLESEY, LL58 8LD  
APPLICATION NO: CG0342902**

I append a copy of the application for consent to discharge received from Dwr Cymru Cyf. I would be grateful if you could let me have your comments at the earliest possible opportunity.

Yours sincerely

**Kelvin Graham**  
**Customer Contact and Authorisations Team Leader**

Please ask for Ruth Prichard ext 4502





ASiantaeth Yr  
AMGYLCHEDD CYMRU  
ENVIRONMENT  
AGENCY WALES

Eich cyf/Your ref.

Ein cyf/Our ref. IH/RP/CG0342902

Dyddiad/Date: 30<sup>th</sup> October 2003

COPY

Mrs Marie Kennedy  
CEFAS  
Burnham Laboratory  
Remembrance Avenue  
Burnham-on-Crouch  
Essex  
CMO 8HA

Dear Mrs Kennedy,

**WATER RESOURCES ACT 1991, SCHEDULE 10 (AS AMENDED BY THE ENVIRONMENT ACT 1995): FORMAL CONSULTATION. APPLICATION FOR CONSENT TO DISCHARGE SEWAGE EFFLUENT (STORM AND EMERGENCY CONDITIONS) BY DWR CYMRU CYF FROM LLANFAES WWTW, OFF FFORD EGLWYS, LLANFAES, BEAUMARIS, ANGLESEY, LL58 8LD**

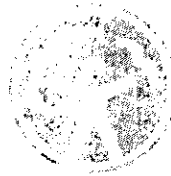
**APPLICATION NO: CG0342902**

I append a copy of the application for consent to discharge received from Dwr Cymru Cyf. Any comments you wish to make regarding this application must be received by the Agency within six weeks from the date of this letter.

Yours sincerely,

**Kelvin Graham**  
**Team Leader Customer Contact and Authorisations**

Please ask for Ruth Prichard ext 4502



ASIANTAETH YR  
AMGYLCHEDD  
ENVIRONMENT  
AGENCY

## WATER RESOURCES ACT 1991 (schedule 10)

(as amended by the Environment Act 1995)

### Application for ~~new consent~~/variation to an existing consent\* to discharge

(\* delete as appropriate)

<b>Regional/Area Address:</b>  Discharge Consent Applications Environment Agency Wales Chester Road Buckley Flintshire CH7 3AJ	<b>Official Use Only</b> <i>Dist/Area Ref:</i>  <i>Application No.</i> CC 0342902  <i>Date Received:</i> 28/10/03  <i>Fee Received:</i> 28/10/03 .
---	---

Each applicant must complete the main form and may need to complete a separate annexe if appropriate. Please look through the form and read the notes carefully before you complete it. Processing of your application will be aided by full and accurate completion of all relevant sections and provisions of the necessary plans. If you have any queries regarding the form please contact the person given in the notes.

#### NOTE:

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

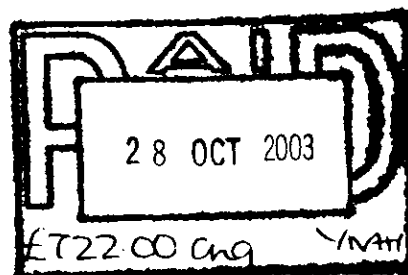
## 1 SITE ADDRESS

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

Llanfaes Wastewater treatment Works  
Off Fford Eglwys  
Llanfaes  
Beaumaris  
Isle of Anglesey

Post Code:

LL58 8LD



## 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

5361.5 m<sup>3</sup>/day

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

Formula "A" flow to the works is 7158 m<sup>3</sup>.d<sup>-1</sup> of which 1796.5 m<sup>3</sup>.d<sup>-1</sup> will pass to treatment and 5361.5 m<sup>3</sup>.d<sup>-1</sup> is the normal maximum flow through the storm tank system.

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 328 mm diameter is existing

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

S	H	6	1	4	9	4	7	7	3	0	8
---	---	---	---	---	---	---	---	---	---	---	---

(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).

S	H	6	0	8	6	5	7	7	3	0	7
---	---	---	---	---	---	---	---	---	---	---	---

(please indicate on accompanying plans)

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

A mag flow meter is provided to measure storm tank flows

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

☒

Existing primary treatment works will be upgraded with new biological treatment process to meet requirements for secondary treatment. New activated sludge aeration tank to be constructed and conversion of primary tank to a final settlement tank

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

Y/N

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

31/3/04

- 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.

When flows exceed the treated capacity of 20.8 l.s<sup>-1</sup> and storm tank full

- 2.7 a) Are there any existing consents for discharges 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).

Settled storm sewage is discharged under Consent no.CG0342902, dated 24/11/93

- b) Has any person had a Prohibition Notice serviced 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.

Ynys Mon County 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:

1. Well

☐

5. River (please give name below)

☐

2. Borehole

☐

6. Estuary (please give name below)

☐

3. Precipitation (eg rain or snow)

☐

7. Coastal Water (please give name below)

☐

4. Mains (please state water supply company)

☒

Dwr Cymru Welsh Water (DCWW)

#### 4 DETAILS OF RECEIVING ENVIRONMENT

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

1. Estuarial Water (tidal river or stream)

☐

5. Into Land

☐

2. River or Stream (non-tidal)

☐

6. Onto Land

☐

3. Canal

☐

7. Directly into Groundwater

☐

4. Lake, Lock or Pond

☐

8. Coastal Water (see note vii)

☒

State name of receiving water if known:

Menai Strait

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

Not Applicable

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

Y/N

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

Y/N

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

Y/N

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

n/a

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

n/a

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

(i) Depth of lining

n/a

(ii) Depth of perforated lining

n/a

(iii) Depth of unperforated lining

n/a

(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 Cyf

\*Pentwyn Road

\*Nelson

\*Treharris

\*Mid Glamorgan

\*

Post Code: CF46 6LY

Daytime Telephone Number:

Company Registration Number (if appropriate): 2366777

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

\*

\*

\*

\*

\*

\*

Post Code:

Contact Name and Daytime Telephone Number:

### 5.2

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

\*

\*

\*

\*

\*

\*

Post Code:

Daytime Telephone Number:

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



## 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 Annex 3 should also be completed).

Official Use Only  
Application No.

1. Site Name.

Llanfaes Wastewater Treatment Works

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)

S	H	6	0	8	6	5	7	7	3	0	7
---	---	---	---	---	---	---	---	---	---	---	---

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

n/a

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

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

5. Overflow settings

a) Overflow setting to storm tanks	20.8 l/s
b) Maximum flow to storm tanks	62.0 l/s
c) Overflow setting to storm sewage overflow	n/a
d) Maximum flow to storm sewage overflow	n/a

6. Storage Capacity

a) Volume of Storm tanks	335 m <sup>3</sup>
b) Retention time of storm tanks at maximum flow	4.5 hours at FFT (20.8 l.s <sup>-1</sup> )
c) Storage capacity of sewer/wet well	n/a

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

Max flow to storm tank is based on a Soc "A" flow of 82.8 l/s less maximum flow through the treatment system of 20.8 l/s. refer to Phase 3 Report accompanying this consent application

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

Y/N

If yes, please give details.

A mag flow meter is provided to record storm flows. Flow to storm tank will be anounced at the electrical control panel.

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

Y/N

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

All flows entering the works pass through 6 mm particle size screen

10. What provisions will be made to deal with:

a) power failure (eg standby generators)?

There is an existing standby generator on site

b) mechanical breakdown (eg standby pumps)?

Duty and stand-by storm water return pumps are provided at works storm tank

c) rising main failure?

Not applicable

d) tanker access?

Yes via site access road

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.

## DECLARATION

I/We:

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

(\* Delete as appropriate)

SIGNED: .....	PRINT NAME: .....
ON BEHALF OF: .....DWR CYMRU CYF.....	DATED: .....24/10/03.....

## CONFIDENTIALITY

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

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

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



### ANNEXE 3 TRADE EFFLUENT DISCHARGES

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

Official Use Only  
Application No.

1. Site Name.

Llanfaes Wastewater Treatment Works

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

There is one consented trade flow (launderette,  $10 \text{ m}^3 \cdot \text{d}^{-1}$ ).

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).

n/a

3. Rainfall Dependent Discharges.

Not Applicable

a) Is the volume going to be rainfall dependent?

Y/N

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

n/a

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

n/a

4. Rainfall Independent Discharges

a) What is the maximum rate of discharge?

n/a

b) What is the average daily flow?

n/a

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

i) give the abstraction licence number

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? Y/N  
If yes, please give details

This discharge is controlled through trade effluent legislation within the Water Industry Act and is monitored regularly by trade effluent staff for monitoring and charging purposes

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

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

n/a

- 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.

n/a

- b) Contact name of case officer.

n/a

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. n/a

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			
Dichlorovos				Sulcofuron			
Dioxins				Tetrachloroethylene			
Drins (eg Aldrin, Dieldrin)				Tributyltin compounds			
Endosulfan				Trichlorobenzene			
Fenitrothion				Trichloroethane			
Fenthion				Trichloroethylene			
Flucifuron				Trifluralin			
Hexachlorobenzene (HCB)				Triphenyltin compounds			
Hexachlorobutadiene (HCBd)				Vanadium			
Hexachlorocyclohexanes (HCH's)				Zinc			

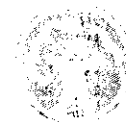
- b) Are there any other significant chemical components used on site which may be contained in the effluent, including biocides or additives? Y/N  
If yes, please give details.

No change in discharges have been observed or declared by the trader and normal sanitary determinands are suite analysed. No known Red List or Grey List chemicals in the trade discharge which is disposed of by Llanfaes WwTW

*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.

Llanfaes Wastewater Treatment Works

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

☐ Y/☒ 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 of the main application form), please state the diameter (including units):

Pipe 328 mm diameter is existing

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

Approx. £713,000.

This is for the installation of a new biological treatment process to meet UWWTD requirements for secondary treatment. This is an essential improvement and no alternative option exists.

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:

n/a

**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

**Only Annexe 2 is applicable to Application for settled Storm sewage**

8. Please state:

Population served (head)	2270 residents, plus 2463 visitors Refer to Phase 3 report for breakdown of visitor numbers
Consumption (l/head/day) default = 180	180 (residents) Refer to Phase 3 report for visitor water consumption figures
Infiltration (m <sup>3</sup> /day)	155.5
Industrial effluent flow (m <sup>3</sup> /day)	10
Dry Weather Flow (m <sup>3</sup> /day)	702.5
Soc A (l/sec)	82.8
Predicted spill frequency (per annum)	Not known since catchment not modelled. Existing storm tank 335 m <sup>3</sup> will be retained in service providing the equivalent 4.47 hours retention at FFT (20.8 l.s <sup>-1</sup> ).

**IMPORTANT NOTES FOR ALL CONSENT APPLICATIONS:**

- Whoever signs the declaration on the main application form takes responsibility for the discharge, and will become the registered consent holder, if consent is given. In the case of a 'body corporate' (eg a public limited company ('plc'), limited, company, local authority), the 'body corporate' will be the registered consent holder, and the person with the delegated authority to sign on behalf of the 'body corporate' should give their job title.**
- Agents making an application on behalf of a client, must attach their clients written authority.**
- 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.**

Ein cyf/Our ref: CG0342902

Date: 28<sup>th</sup> October 2003



ASiantaeth Yr  
Amgylchedd Cymru  
ENVIRONMENT  
AGENCY WALES

COPY

Dwr Cymru Cyf  
Pentwyn Road  
Nelson  
Treharris  
Mid Glamorgan  
CF46 6LY

Dear Sir/Madam

**WATER RESOURCES ACT 1991, SCHEDULE 10 (AS AMENDED BY THE ENVIRONMENT ACT 1995) APPLICATION FOR CONSENT TO DISCHARGE SEWAGE EFFLUENT UNDER STORM OR EMERGENCY CONDITIONS BY DWR CYMRU CYF FROM LLANFAES WASTEWATER TREATMENT WORKS, OFF Ffordd Eglwys, Llanfaes, Beaumaris, Anglesey, LL58 8LD  
APPLICATION NO: CG0342902**

Thank you for your application for consent to discharge together with your application fee of £722. It is receiving consideration and you will be hearing from us again shortly. Please state application CG0342902 in any correspondence with us relating to this application.

Yours faithfully

**Kelvin Graham**  
**Team Leader Customer Contact and Authorisations**

Please ask for Ruth Prichard

