

CONSENT NO.	BP0254601
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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: Head of Housing Manager
Social Care and Housing Department
5 Spilman Street
Carmarthen
SA31 1LE

In pursuance of an application by the consent holder for variation of consent, the **ENVIRONMENT AGENCY** ("The Agency") in pursuance of its powers under the Water Resources Act 1991 **HEREBY VARIES ITS CONSENT** to the making of a discharge **OF SEWAGE EFFLUENT**, as follows:

Biologically Treated Sewage Effluent

with respect to Consent No. **BP0254601** issued on the 12th day of October 2000

FROM: PACKAGE PLANT AT LÔN Y FELIN HOUSING ESTATE

AT: TALOG, CYNWYL ELFED, CARMARTHENSHIRE

TO: UN-NAMED TRIBUTARY OF THE AFON CYWYN, VIA HIGHWAY DRAINAGE

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

Biologically Treated Sewage Effluent

Schedule No. BP0254601 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 affects the effect of variations made to this consent, without the agreement in writing of the Consent Holder, during a period of 4 years from the date this variation is issued.

This variation of consent is issued on the 19th day of December 2003 and takes effect on the first day of commissioning of the new package sewage treatment plant.

Signed

Peter Jordan – Environment Management Team Leader



CONSENT NO.	BP0254601
SCHEDULE NO.	BP0254601 01
DATE ISSUED	<i>19</i> December, 2003



ASiantaeth Yr
Amgylchedd Cymru
Environment
Agency Wales

CONDITIONS OF CONSENT TO DISCHARGE

Biologically Treated Sewage Effluent ("the Discharge")

FROM: PACKAGE PLANT AT LÔN Y FELIN HOUSING ESTATE, TALOG, CYNWYL ELFED, CARMARTHENSHIRE

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 four dwellings.

LOCATION

3. The Discharge shall be made in the manner and at the place specified as:
 - (a) discharging via a 100 millimetre diameter pipe;
 - (b) discharging to an un-named tributary of the Afon Cywyn via 225 millimetre diameter highway drainage;
 - (c) at National Grid Reference SN 33140 25382;
 - (d) shown marked 'Consent Points' on Plan BP0254601 attached as Annex 1.

SAMPLE POINT

4. A sample point shall be provided and maintained at National Grid Reference SN 33220 25507, as shown marked 'Sampling Chamber' on Plan BP0254601, 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 discharging into controlled waters.



CONSENT NO.	BP0254601
SCHEDULE NO.	BP0254601 01



ASiantaeth Yr
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ENVIRONMENT
AGENCY WALES

VOLUME

5. The volume of the Discharge shall not exceed 2.5 cubic metres per day.

COMPOSITION

6. As far as is reasonably practicable, the package plant shall be operated so as to prevent:
- (i) 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
 - (ii) the Discharge from having any other adverse environmental impact.

MAINTENANCE

7. The package plant 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.

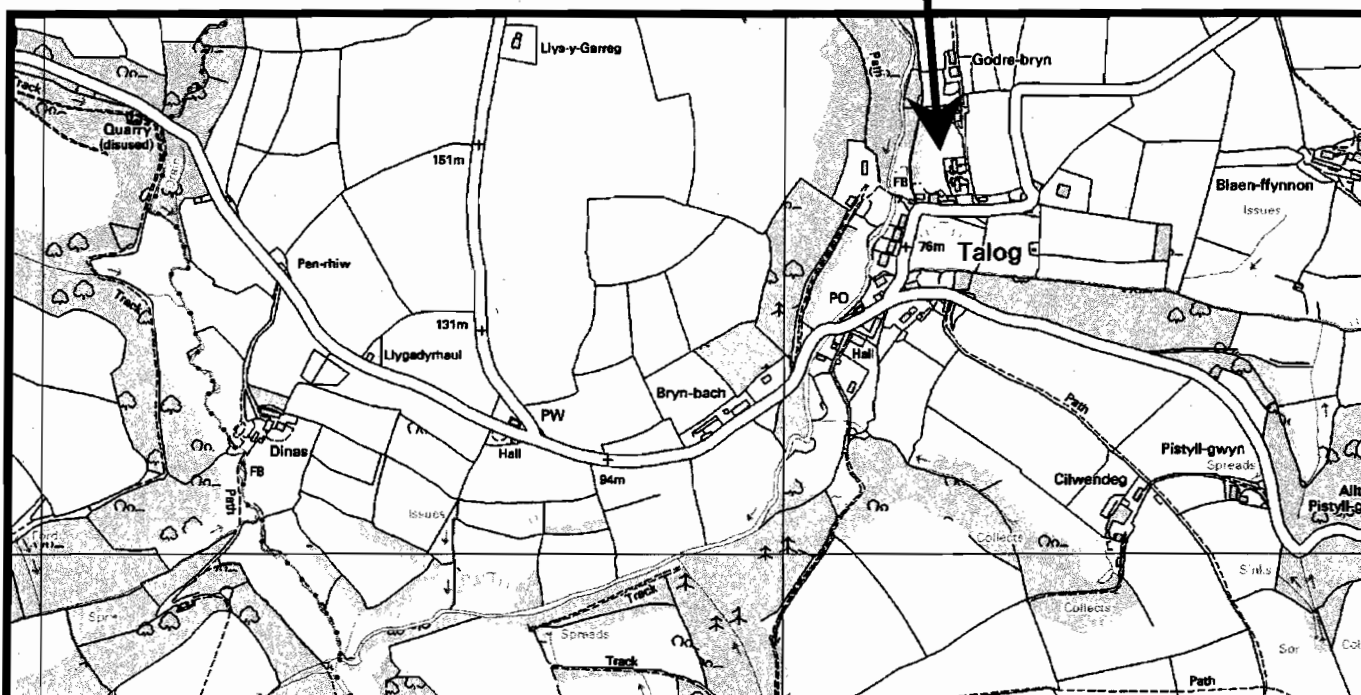
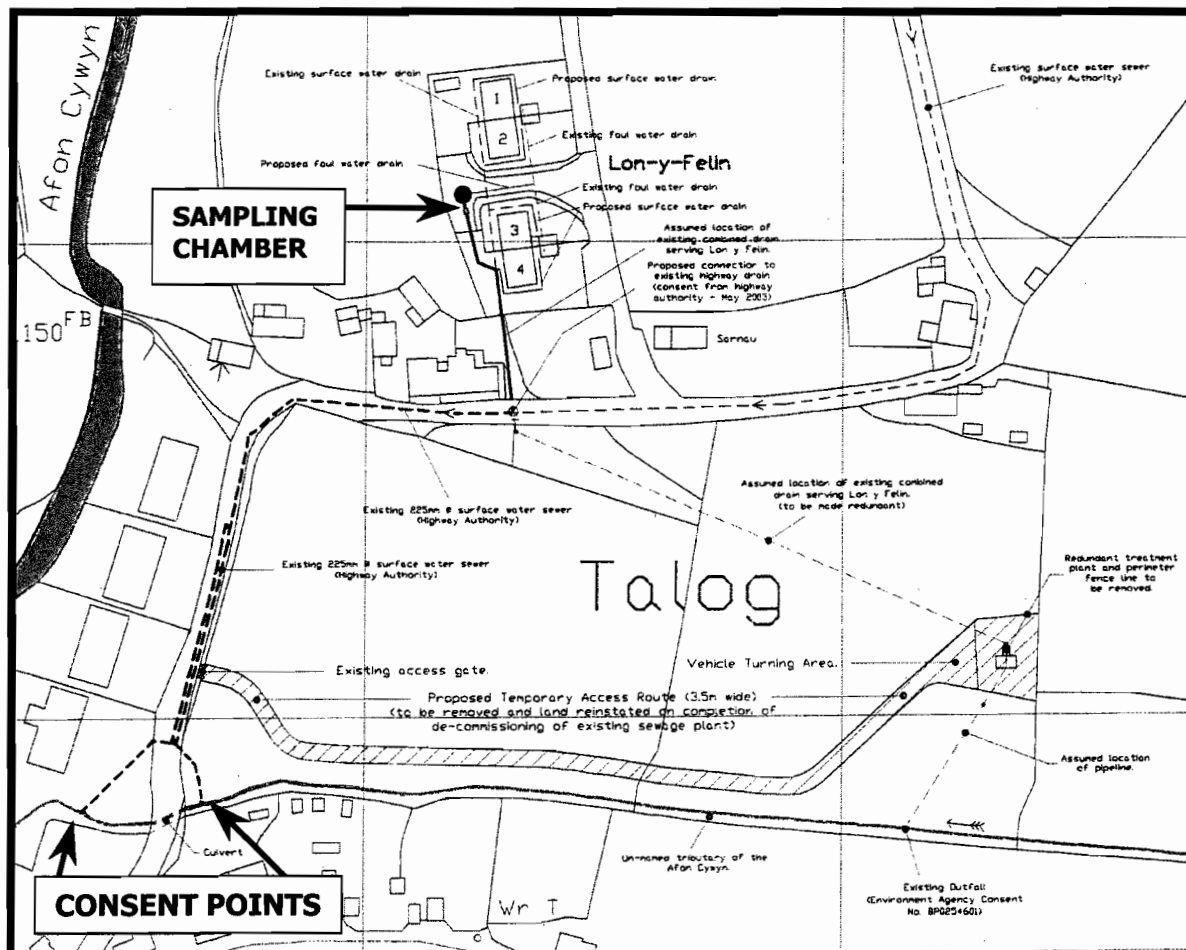
START DATE

8. Until discharge is permitted under the terms of this consent, the quality of the effluent from Lôn Y Felin Housing Estate shall be controlled under the terms of the consent issued on the 12th day of October 2000. There shall be no discharge under the terms of this consent until the 1st day of April 2004 or the start of commissioning of the package sewage treatment plant, whichever is the sooner. The Consent Holder shall give the Agency at least 28 days written notice before making the discharge.



ANNEX 1 – BP0254601

LÔN Y FELIN HOUSING ESTATE PACKAGE PLANT, TALOG, CYNWYL ELFED, CARMS



Ein cyf/Our ref. 2/CS/LL/BP0254601
Eich cyf/Your ref.



ASiantaeth YR
AMGYLCHEDD CYMRU
ENVIRONMENT
AGENCY WALES

Dyddiad/Date: 24 December 2003

F.A.O Tony Derrick or Ken Phillips
Technical Services Department
Parc Myrddin
Richmond Terrace
Carmarthen
Carmarthenshire
SA31 1HQ

Dear Sirs

**WATER RESOURCES ACT 1991, SCHEDULE 10 (AS AMENDED BY THE ENVIRONMENT ACT 1995) APPLICATION TO DISCHARGE BIOLOGICALLY TREATED SEWAGE EFFLUENT BY HEAD OF HOUSING MANAGER FROM PACKAGE PLANT AT LÔN Y FELIN HOUSING ESTATE, TALOG, CYNWYL ELFED, CARMARTHENSIRE
APPLICATION NO: BP0254601**

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 as detailed above.

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.

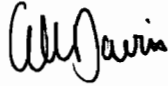
Asiantaeth yr Amgylchedd Cymru
Maes Newydd, Llandarsi, Nedd Port Talbot, SA10 6JQ
Ffon: 01792 325500, Ffacs: 01792 325511

Environment Agency Wales
Maes Newydd, Llandarcy, Neath Port Talbot, SA10 6JQ
Tel: 01792 325500, Fax: 01792 325511



If you have any queries regarding the enforcement of this consent, please do not hesitate to contact Peter Jordan, Team Leader Environment Management, Environment Agency Wales, Plas Gwendraeth, Heol Parc Mawr, Cross Hands Business Park, Llanelli, SA14 6RE.

Yours sincerely



GARETH DAVIES
Customer Contact & Authorisations Officer

Enc.

Asiantaeth yr Amgylchedd Cymru
Maes Newydd, Llandarsi, Nedd Port Talbot, SA10 6JQ
Ffon: 01792 325500, Ffacs: 01792 325511

Environment Agency Wales
Maes Newydd, Llandarcy, Neath Port Talbot, SA10 6JQ
Tel: 01792 325500, Fax: 01792 325511



Cyngor Sir Caerfyrddin Carmarthenshire County Council

Adran Gwasanaethau Technegol
Parc Myrddin, Waun Dew, Caerfyrddin
Sir Gaerfyrddin, SA31 1HQ
Technical Services Department
Parc Myrddin, Richmond Terrace,
Carmarthen, Carmarthenshire,
SA31 1HQ

MEMO

Ffôn • Tel :
01267 228105

Ffacs • Fax :
01267 228122

gwefan • website :
www.sirgar.gov.uk
www.carmarthenshire.gov.uk

e-bost • e-mail :
SusDavies@sirgar.gov.uk
SusDavies@carmarthenshire.gov.uk

Oddi wrth • From :

80/0076/022/KP

I • To :

Mr Ken Phillips

Yr est. • Ext. no. :

26 June 2003

01267 228167

Eich cyf • Your ref. :

Fynghyf • My ref. :

Environment Agency Wales
154 St Helens Road
SWANSEA
SA1 4DF

Dyddiad • Date :

Pwnc • Subject :

FTAO : Mr. Mathew Griffiths – Regulatory Officer (Water Quality)

Dear Sir,

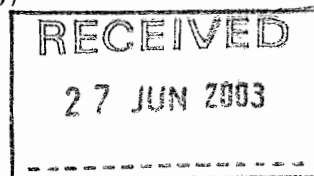
Lon y Felin, Talog, Carmarthen – Alternative Discharge Point For Sewage Treatment Facility - Existing Discharge Consent: BP0254601

Further to your letter dated 23rd June 2003 I attach for your attention an application for variation to an existing consent to discharge, (together with existing and proposed scheme drawings). Payment with respect to your application fee (£103.00) will be forwarded to your Swansea Office within the next 7 – 14 days.

The existing sewage treatment works serving the site is defective and needs to be replaced. The existing sewage plant/outfall is located on land (field No. 3142) owned by Mr. Harries of Green Grove, Talog. To date, access to maintain the treatment plant and associated pipework has been made difficult by the landowner and it is felt that this situation will not improve whilst the treatment plant is situated on land owned by Mr. Harries. In order to progress this matter it has been decided that it would be beneficial to all parties concerned to provide an alternative route and point of discharge for the outfall sewer .

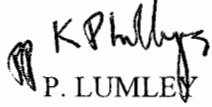
At present the drainage system serving the housing site is of a combined type with surface water runoff from hard areas included in the discharge to treatment. It is the Councils intention to provide a separate system within the limits of the housing site in order to eliminate surface water runoff from the treatment process. Our proposals for the treatment of domestic foul sewage involves passing it through a Biotec (Diamond DMS5) treatment unit located in the hammer head of Lon y Felin (approval for the treatment unit was given verbally to Mr. K. Phillips following a letter sent to the Agency on the 19th June 2002). The outlet drain from the treatment unit will connect to the existing drain (outside No. 4) which will carry treated effluent and surface water flows from the site. On reaching the highway fronting 'Green Grove' the existing drain will connect to the existing highway surface water sewer (Highway Authority approval granted) which in turn discharges to the un-named tributary of the Afon Cywyn at a point shown on the enclosed Block Plan. On completion of the new works the existing treatment plant/outfall and associated pipework will be redundant and the existing treatment plant removed and the land reinstated.

I should be obliged for your consent for this application in due course.



If you require any further information or would like to discuss the above please do not hesitate to contact Mr. Tony Derrick or Mr. K Phillips on the above direct line.

Yours faithfully

 K Phillips

P. LUMLEY
HEAD OF CONSULTANCY

RECEIVED

19 AUG 2003

Ffôn • Tel :
01267 228105

Ffacs • Fax :
01267 228122

gwefan • website :
www.sirgar.gov.uk
www.carmarthenshire.gov.uk

e-bost • e-mail :
SusDavies@sirgar.gov.uk
SusDavies@carmarthenshire.gov.uk

Eich cyf • Your ref :

Gofynner am • Please ask for :

Fy nghyf • My ref :

80/0076/022/KP

Llinell Uniongyrchol • Direct Line :

Dyddiad • Date :

18 August 2003

Mr Ken Phillips

01267 228167

Environment Agency Wales
154 St Helens Road
SWANSEA
SA1 4DF

FTAO : Mr. Mathew Griffiths – Regulatory Officer (Water Quality)

Dear Sir,

Lon y Felin, Talog, Carmarthen – Alternative Discharge Point For Sewage Treatment Facility - Existing Discharge Consent: BP0254601

Further to my letter dated 26th August 2003, together with application for variation to an existing consent to discharge, I attach for your attention a cheque in the sum of £103.00 as payment for this application.

I apologise for the delay in issue of this payment which was partly due to departmental reorganisation.

If you would like to discuss the matters relating to the application please do not hesitate to contact Mr. Tony Derrick or Mr. K Phillips on the above direct line.

Yours faithfully


P. LUMLEY
HEAD OF CONSULTANCY



REC: 0296.

CHQ: 490552.



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:

ENVIRONMENT AGENCY WALES
Glan Tawe
154, St Helens Road
Swansea
West Glamorgan SA1 4DF

Official Use Only

Dist/Area Ref: BP0254601

Application No. ~~BP0311021~~

Date Received: 19/08/03

Fee Received: £103

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

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.

LON-Y-FELIN (HOUSING ESTATE)

TALOG

CYNWYL ELFED
CARMARTHENSHIRE

+ COUNTY COUNCIL +
HIGHWAY

EXISTING SEWERAGE
TREATMENT WORKS
LOCATED IN FIELD
NO 3142.

Post Code:

2 DETAILS OF DISCHARGE(S)

2.1 State the nature of the discharge(s) (see note i and ii) - tick one or more boxes as appropriate:-

Sewage Effluent - volume of 5 cubic metres per day or less ☒

Sewage Effluent - volume greater than 5 cubic metres per day (complete annexe 1) ☐

Sewage Effluent discharged under storm or emergency conditions (complete annexe 2) ☐

Cooling Water (complete annexe 3) ☐

Trade Effluent (including site drainage) (complete annexe 3) ☐

Others (please specify) ☐

2.2 Please state the maximum quantity it is proposed to discharge in any one day 2.50 m³/day
Briefly state how this figure was calculated (see note ii).

4 x 3 bed properties - 12 persons @ 180 litres/day/head = 238 m³/day
Surface water & treated effluent will discharge to the existing combined drain on the site prior to connecting to the Highway surface water 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) ☐

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

5 N / 3 3 1 6 / 2 5 3 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)

Sample chamber 1m downstream of sewage treatment chamber.

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

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

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

None.

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 ☐

Wpl - Diamond DMS5 (Brochure attached)

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~~ ^{change over to new system}

1/10/03

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).

BPO254601

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.

DESCRIPTIVE CONSENT COMPLIANCE ASSESSMENT - N. BUNYAN
20/02/1998

3 SITE DETAILS

3.1 Please give the name of the relevant Planning Authority.

CARMARTHENSHIRE COUNTY COUNCIL

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) ☐

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) | ☒ | | |

DŴR CYMRU WELSH WATER.

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, Loch or Pond | ☐ | 8. Coastal Water (see note vii) | ☐ |

State name of receiving water if known:

TRIBUTARY OF AFON CYWYN.

4.2 In the case of sub-irrigation systems, soakaways or boreholes:- N/A.

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

(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.

* HEAD OF HOUSING MANAGER,
* SOCIAL CARE & HOUSING DEPARTMENT,
* 5 SPILMAN STREET
* CARMARTHEN

Post Code: SA31 1LE

Daytime Telephone Number: 01267 234567 (F.A.O. Chris P. Derrick)

Company Registration Number (if appropriate):

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

* TECHNICAL SERVICES DEPARTMENT
* PARC MYRDDIN
* RICHMOND TERRACE
* CARMARTHEN
* CARMARTHENSHIRE

Post Code: SA31 1HQ

Contact Name and Daytime Telephone Number: TONY DERRICK / KEN PHILLIPS
01267/228161 01267/228167

5.2

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

* (a) 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.

See covering letter

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: M.A. Derrick PRINT NAME: M.A. DERRICK
ON BEHALF OF: PHILIP LUMLEY DATED: 26/06/03

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 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 Annex 3 should also be completed)

Official Use Only
Application No.

1. Site Name.

LON Y FELIN
TALOG
CONWYL ELFED
CARMARTHENSHIRE

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)

☐

TREATED EFFLUENT FLOWS FROM DIAMOND DMS5 AND
SURFACE WATER HARDBANDING RUNOFF FROM 4 NO. PROPERTIES.

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)

N / /

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 **No OVERFLOW**

a) Overflow setting to storm tanks.

N/A l/s

b) Maximum flow to storm tanks.

N/A l/s

c) Overflow setting to storm sewage overflow.

N/A l/s

d) Maximum flow to storm sewage overflow.

N/A l/s

6. Storage capacity

a) Volume of Storm Tanks.

N/A m³

b) Retention time of storm tanks at maximum flow.

N/A hours

c) Storage capacity of sewer/wet well.

1 m³/day

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

The Wpl Diamond DMS5 Sewage treatment plant is pre-designed for a maximum number of full time residents of 20 persons.

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

Y/N

If yes, please give details.

Air failure alarm ≠ mains failure alarm with kiosk mounted beacon.

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).

COURSE SOLIDS WILL BE SCREENED WITHIN THE DIAMOND UNIT (DMS5) AND RETAINED FOR GRADUAL BREAKDOWN.

10. What provisions will be made to deal with:

a) power failure (eg. standby generators)?

MOBILE GENERATOR

b) mechanical breakdown (eg. standby pumps)?

N/A

c) rising main failure?

N/A

d) tanker access?

TREATMENT PLANT SITED IN HOUSING SITE ESTATE HAMMER HEAD.

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

N/A

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

Official Use Only
Application No.

1. Site Name.

LON Y FELIN
TALOG
CYNFWL ELFED
CARMARTHENSHIRE

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

DOMESTIC DISCHARGES ONLY

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).

1 No Wpl DIAMOND DMS5 TREATMENT PLANT

3. Rainfall Dependent Discharges

a) Is the volume going to be rainfall dependent?

Y/N

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

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?

b) What is the average daily flow?

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

i) give the abstraction licence number.

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

□ □ / □ □ □ □ / □ □ □ □ (please mark on the plan)

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

b) Will automatic sampling equipment be provided?
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
different from ambient.

b) Will the discharge be monitored for temperature?
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?

If yes, please complete the following:

a) The application reference.

c) Contact name of case officer.

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

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

Y/N

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

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



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.

LON Y FELIN, TALOG
NR. CVNWYL ELFED. CARMARTHENSHIRE

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

THIS APPLICATION IS FOR VARIATION TO AN
EXISTING CONSENT TO DISCHARGE

☒ 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):

100 mm / 225 mm.

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

APPROX £50 K.

LAND OWNERSHIP PROBLEMS PREVENT CONSIDERATION
OF ALTERNATIVE SCHEMES.

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

☒ N

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

Tick

☐



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

Pumped / Gravity

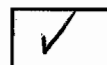
If pumped, please state the maximum pump rate in l/sec:

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>12 (4 PROPERTIES)</u>
Consumption (l/head/day) default = 180	<u>180 1/hd/day</u>
Infiltration (m ³ /day)	<u>10%</u>
Industrial effluent flow (m ³ /day)	<u>N/A</u>
Dry Weather Flow (m ³ /day)	<u>2376 l ~ 2.38 m³/day</u>
SOCA (l/sec)	<u></u>
Predicted spill frequency (per annum)	<u></u>

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.





**ENVIRONMENT
AGENCY**

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

Notes for Guidance of Applicant for Consent to Discharge

General

Before submission of this form the applicant should ensure that all the information is correct (see note xiii). Liaison with area/district staff is strongly recommended and any doubt about the detailed information required should be discussed with Agency staff before completing the application. Should you wish other matters to be taken into account with the application, additional sheets may be used.

The terms "applicant" and "holder" should be noted. The consent holder is the only person who can claim the benefits of a consent as a protection.

The Agency has four months from the date on which a valid application is received (or such further period as may be agreed upon in writing between the applicant and the Agency) to determine the application, otherwise it is deemed to have been refused by the Agency (this does not affect your rights of appeal). If you have any questions about the form then please contact the officer named below or contact your local Agency office:-

NAME
ADDRESS
.....
.....
PHONE

Details of Discharges

- i) The Water Resources Act 1991 (as amended by the Environment Act 1995) provides for consent to be granted for sewage effluent, trade effluent or other matter. Note that cooling water, or run-off contaminated as a result of the carrying on of a trade or industrial activity are both trade effluents (eg. run-off from a coal yard, oil storage areas or vehicle loading areas are trade effluents). In these cases Annexe 3 should be completed in addition to the main application form. For all discharges of sewage effluent containing a trade component Annexe 3 should be completed in addition to Annexe 1.
- ii) The maximum quantity should be given in cubic metres per day (please note that 1000 litres is equivalent to 1 cubic metre). The notes below may be of help in calculating the volume:
 - a) A per capita volume of 180 litres per head per day will be accepted as the norm, when calculating daily volumes for sewage discharges for consent application purposes. For special cases see table in c) below.
 - b) In the absence of accurate population data an estimated population assuming 1 person per bedroom plus 0.5 persons per household will be acceptable.
 - c) Deviations from the norm may be accepted in special cases, provided the Agency are satisfied they are specifically justified and adequate evidence is provided. In the case of non-residential properties lower consumption will be generally accepted, as given in the following table.

Property	Per Capita Volume (litres per day)
Hotels	200
Restaurants	25
Campsites	75
Dayschool	50
Boarding school	180
Offices	55
Factories	65
Public Houses	15
Caravans	120
Rest Homes	300
Hospitals	450

(NB 1000 litres is equivalent to one cubic metre)

For combined discharges give figures for each component separately. If infiltration is significant, full details should be provided separately.

- iii) If there is more than one point of discharge please provide the extra grid references in section 5.3 (additional information) and for each discharge point/outlet clearly mark the plan with the appropriate identity code e.g. outlet 1,2,3 or A,B,C.
- iv) Samples will normally be taken by filling a container at the discharge point where possible. If this is not practicable then a sampling chamber should be provided between the source of the effluent (after any treatment that is to be provided) and the discharge point.
- v) The volume of effluent discharged may need to be monitored. Facilities to enable the Agency's Officers to measure the volume must be provided. In some cases there will be a requirement for the discharger to monitor the volume on a regular basis and maintain a log of the readings. Details of the siting and type of flow measurement facilities should be given.
- vi) Details should be given of any existing Consent granted under the provisions of the Rivers (Prevention of Pollution) Acts 1951 to 1961; Section 72 of the Water Resources Act 1963; the Lee Conservancy Acts 1868 to 1938; the Port of London Acts 1964 to 1968; Section 34 of the Control of Pollution Act 1974, the Water Act 1989, Environmental Protection Act 1990 and/or the Water Resources Act 1991.

Details of Receiving Environment

- vii) For discharges to coastal waters, details of the length of the outfall, distance below low water and dispersion characteristics should be supplied.
- viii) Where a foul sewer is available, consent may not be granted unless sufficient evidence is provided to prove connection to the foul sewer is impracticable.

Details of Applicant and Other Information

- ix) Please state clearly the status of the applicant (e.g. limited company, partnership, trader, individual). If an agent's name is given in Section 5.1(b) it will be assumed they are acting fully on behalf of the applicant and all correspondence will be addressed to them.

If the application is by:

- a **COMPANY** then the registered office address and the Company Registration Number should be given in addition to the full company name (if correspondence should be addressed elsewhere, please indicate clearly);
- a **FIRM** or **PARTNERSHIP** then the full names and addresses of all the relevant partners should be given together with the name the firm trades under and its main addresses;
- a **CLUB** then the full names and addresses of all trustees should be given or the name and address of the person properly authorised to be the consent holder on behalf of the club, in the absence of any trustees.
- a **CHARITY** which is a limited company, please supply the details listed above for clubs; alternatively if the charity is not a limited corporation, the full names and addresses of all trustees should be given.

If approved, a consent will be granted in the name of the applicant. In the case of a company or individual, this is straightforward. In the case of a firm or partnership, club or charity, please consider carefully the names of the trustees which are identified as the applicants. There are special rules concerning subsequent transfer of consents. You will need to advise the agency of any change in trustees in the future.

- x) For your guidance the current charges in respect of making an application are set out below. Please note that these may change from time to time and it is advisable to confirm the present sums prior to submitting an application.

- (a) for each discharge of sewage effluent of not more than 5m³/day
- £84 ~~£103~~
- (b) for each discharge of cooling water of not more than 10m³/day
- £84
- (c) for each discharge of uncontaminated surface water
- £84
- (d) in all other cases for each discharge
- £589

see charging
leaflet

A cheque for the application fee payable to the *Environment Agency* should be enclosed with the application.

- xi) The applicant should attach a site plan (preferably A4 size) showing in detail:
- (a) the location of the premises. This should be such as to enable a stranger to the area to readily locate the premises. The premises should be clearly indicated. For rainfall dependent discharges, catchment areas should be highlighted.
 - (b) the discharge, sampling points and any other information requested in the application form clearly marked with arrows and labels as necessary.
- xii) Details of the application may need to be published in accordance with the Water Resources Act 1991 (as amended by the Environment Act 1995). In that event, the application will be advertised in a local newspaper and in the London Gazette. The cost of this is payable by the applicant upon demand. In addition to the cost of the advertisement, which will vary depending on local circumstances, an administration charge, not exceeding £50, plus VAT at the standard rate, will be payable.
- xiii) If any person, in furnishing any information or making any application under or for the purposes of any provision of the Act, makes any statement which he knows to be false or misleading in a material particular, he shall be guilty of an offence and liable:-
- (a) on summary conviction to a fine not exceeding the statutory maximum;
 - (b) on conviction or indictment, to a fine or imprisonment, not exceeding two years, or both.
- xiv) The Agency's costs of dealing with applications are payable by the applicant at the time of submission (see note x). A further annual charge may also be payable from the date of coming into force of any consent issued. This will be invoiced separately after the consent is issued. The enclosed leaflet sets out details of the charging scheme (if no leaflet is enclosed please contact your local Agency office who should be able to provide one). If you have any questions please ask. Details of the local contact are given above.
- xv) The Agency maintains a statutory register, which is available for public inspection, including details of:-
- (a) applications for consent
 - (b) any consent granted and conditions imposed
 - (c) samples of effluent taken by the Agency
 - (d) information produced by analyses of the samples and the steps taken in consequence of the information

Access to the public register by certain companies may result in unsolicited mail being received. Requirements under the Water Resources Act 1991 (as amended by the Environment Act 1995) mean that the Agency cannot prevent access to the Public Register by such companies.

Any claim for commercial confidentiality will have to be determined by the Agency and could lead to a delay in the determination of the application.

Any request for information to be withheld from the public register must include a full justification for why the information needs to be withheld.

Charges for discharges to controlled waters

Introduction

The Environment Agency regulates discharges to controlled waters within its primary aims of protecting and improving the environment in England and Wales and contributing to sustainable development through the integrated management of air, land and water.

Financing of the Agency

In order to carry out its responsibilities, the Agency expects to incur costs of over £800m in the financial year 2003/04. The Government will fund 27% of Agency expenditure through grants. The remainder, in line with the Government's "Polluter Pays" policy, must be raised primarily through environmental licence charges and flood defence levies. Charges for regulating discharge consents will account for £59m (7%). The Government requires this income to be ring fenced so that it is only used to fund the regulation of consented discharges.

Principles for charging

The Environment Act 1995, Section 41, empowers the Agency to recover the costs of regulation by charging for environmental licences. The Secretary of State for Environment, Food and Rural Affairs must approve the proposed charging schemes and requires the Agency to:

- (i) secure sufficient funding for the Agency to deliver its obligations for discharge consents; and
- (ii) fulfil the Financial Memorandum duty to recover relevant costs from the applicants for and holders of environmental licences.

Consultation process on amendments to the scheme

The previous charging scheme in respect of discharges to controlled waters, which expired on 31 March 1999, was reviewed during 1998. The resulting amendments were approved by the Secretary of State for Environment, Food and Rural Affairs after consultation with customer groups and a range of individual charge payers.

If you were not involved in the consultation for the amended scheme and wish to be included on the Agency's list of consultees for any future changes to the scheme, please write to Mr. W Huntley, Finance Directorate at the Agency's Head Office, Rio House, Waterside Drive, Bristol BS32 4UD, or at the Agency's website (wil.huntley@environment-agency.gov.uk).

Charge rates for 2003/2004

The charge rates effective from 1 April 2003 are:	£
Standard application charge	722
Reduced application charge	103
Annual charge financial factor	558

These charges are outside the scope of VAT.

Under its financial duties, the Agency must recover the costs of relevant regulatory activities from consent holders. Discharge consenting is subject to the generic cost pressures and reliefs of pay and price inflation, pension and national insurance contributions and efficiency savings leading to a baseline increase of 2.5%. There are also further cost pressures from preparations for the Water Framework Directive and the Water Bill and full implementation of the Bathing Waters Directive, which result in an overall increase of 4.9%.

Types of charge

There are two kinds of charge:

- (i) Application charge – payable by everyone who applies for a new or revised consent to discharge. It is payable only when the application is made. Full details are provided with the application form, which is available from Agency offices.
- (ii) Annual charge – payable by everyone who holds a consent to discharge.

How to calculate your charge

- (i) Check from the charges scheme which factors – one each for volume, contents and receiving waters – apply to your consent by referring to the conditions attached to it.
- (ii) Multiply the three factors together – this gives a number of chargeable units.
- (iii) Multiply the number of chargeable units by the current year's "financial factor" of £558.

Examples of how the scheme will work are:

- (i) A consent allows a discharge to a river of 8,000 cubic metres per day of organic trade effluent.
- (ii) A consent allows for a discharge to coastal waters of 50 cubic metres per day of site drainage from trade premises.

Volume	Content	Receiving	Chargeable	Unit rate	Charge
		Water	units	£	£
(i)	8,000	C river			
	3 x	3 x 1	= 9	x 558	5,022
(ii)	50	E coastal			
	1 x	1 x 0.8	= 0.8	x 558	446.40

Cost Pressures and reliefs on charges		
Pressure	points	Details of costs
Increases in employment-related and other costs	4.5	Costs of goods and services have been assumed to rise on average by 2.5% in the period 2003/04. The Agency's employment costs are rising above the general rate of inflation, largely due to increases in the employers' rates of pension and national insurance contribution.
Preparations for Water Framework Directive	2.1	The Water Framework Directive will rationalise current water legislation and will replace five existing European water directives. For 2003/04 the Agency has identified a programme of work comprising 10 projects over a range of activities. The costs attributable to consenting are £1,150k and this will add 2.1% to the CTD cost/charging base.
Bathing Waters Directive	0.3	The Agency has reviewed its sampling and analysis practices in relation to bathing waters and concluded it needs to revise them to ensure full compliance with the Directive's standards. The extra costs of fully complying add 0.3% to the consenting cost base.
Sub-total	6.9	
Relief Efficiency Savings	-2.0	The increase in employment costs above the general rate of inflation is entirely offset by next year's efficiency savings, which will reduce the cost base by 2%. Those savings will be in addition to the absorption of extra workload.
Net increase in charges	4.9	