

Deddf Adnoddau Dwr 1991
fel y'i diwygiwyd gan Ddeddf yr Amgylchedd 1995
Caniatâd Gollwng
Tystysgrif Daliwr



ASiantaeth YR
AMGYLCHEDD

Rhan A HEAD OF HOUSING
At: SOCIAL CARE AND HOUSING
CARMARTHENSHIRE COUNTY COUNCIL
5 SPILLMAN STREET
CARMARTHENSHIRE SA31 1LE

FILE COPY

DS: I gorff corfforedig mae teitl y swydd yn bwynt cysylltu.
Dyddiad Cychwyn Daliwr: 12/04/02

Mae Asiantaeth yr Amgylchedd ("yr Asiantaeth") yn cadarnhau drwy hyn mai/bod y sawl a enwyd uchod yw/yn ddaliwr cofrestredig uy caniatâd BP0296901 Cyhoeddwyd Caniatâd: 12/04/2002

Natur y gollwng: STEC Treated sewage Effluent - Continuous
yn SN4505906236 BRYN AVENUE PSTW

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

Rhan B Llenwch mewn priflythrennau bras neu deipio.

At:

Deddf Adnoddau Dwr 1991: Hysbysiad am drosglwyddo caniatâd gollwng

Caniatâd: BP0296901

Enw: HEAD OF HOUSING

Cyfeiriad:

Cyhoeddwyd Caniatâd: 12/04/2002

SOCIAL CARE AND HOUSING

CARMARTHENSHIRE COUNTY COUNCIL

5 SPILLMAN STREET

CARMARTHENSHIRE SA31 1LE

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

*dilewch yn ôl yr angen

Enw(au) y Daliwr/Dalwyr newydd:

Cyfeiriad:

Cod Post:

Dyddiad Trosglwyddo i'r Daliwr/Dalwyr newydd:

Llofnodwyd: **Dyddiedig:**

Enw Enw (priflythrennau bras): **Safle:**



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



ASiantaeth Yr
AMGYLCHEDD CYMRU
ENVIRONMENT
AGENCY WALES

HEAD OF HOUSING

Part A SOCIAL CARE AND HOUSING

To: CARMARTHENSHIRE COUNTY COUNCIL
5 SPILLMAN STREET
CARMARTHENSHIRE SA31 1LE

NB: For a body corporate the job title is a point of contact.
Holder Start Date: 12/04/02

The Environment Agency ("the Agency") hereby confirm that the above named person is a/the registered holder of consent ^{BP0296901} Consent Issued: 12/04/2002
STE C Treated sewage Effluent - Continuous
Nature of Discharge(s); ^{SN4505906236} BRYN AVENUE PSTW
at

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.

cut here

Part B Please complete in block capitals or type.

To:

^{BP0296901} **Water Resources Act 1991: Notice of transfer of consent to discharge**

Consent Issued: 12/04/2002

Consent

Name:

HEAD OF HOUSING
SOCIAL CARE AND HOUSING

Address:

CARMARTHENSHIRE COUNTY COUNCIL
5 SPILLMAN STREET
CARMARTHENSHIRE SA31 1LE

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

* delete as appropriate

Name(s) of new holder(s):

Address:

Post Code:

Date of Transfer to new Holder(s);

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

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

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

17 APR 2002

CONSENT NO. BP0296901



ASiantaeth YR
AMGYLCHEDD CYMRU
ENVIRONMENT
AGENCY WALES

WATER RESOURCES ACT 1991

SECTION 88 - SCHEDULE 10

(AS AMENDED BY THE ENVIRONMENT ACT 1995)

CONSENT TO DISCHARGE

TO: Head of Housing
Social Care & Housing
5 Spillman Street
Carmarthenshire
SA31 1LE

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

SECONDARY TREATED SEWAGE EFFLUENT

FROM: A PACKAGE SEWAGE TREATMENT PLANT

AT: BRYN AVENUE, TRIMSARAN

TO: NANT Y GRO

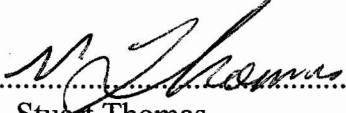
SUBJECT TO the conditions set out in the following schedule(s):

BIOLOGICALLY TREATED SEWAGE EFFLUENT

Schedule No. BP0296901

Subject to the provisions of Paragraphs 7 and 8 of Schedule 10 of the Water Resources Act 1991, no notice shall be served by the Agency, altering this consent, without the agreement in writing of the consent holder, during a period of 4 years from the date this consent takes effect.

This consent is issued and takes effect on the 12th day of April 2002

Signed 

Stuart Thomas

Team Leader Water Quality Consents



CONSENT NO.	BP0296901
SCHEDULE NO.	BP0296901 01
DATE ISSUED	12 th April 2002



ASiantaeth Yr
Amgylchedd Cymru
ENVIRONMENT
AGENCY WALES

CONDITIONS OF CONSENT TO DISCHARGE

SECONDARY TREATED SEWAGE EFFLUENT ("the Discharge")

FROM: A PACKAGE SEWAGE TREATMENT WORKS, BRYN AVENUE,

- 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, arising from six dwellings.

LOCATION

- 3) The Discharge shall be made in the manner and at the place specified as:
 - (a) discharging via a seasonal soakaway;
 - (b) discharging to the Nant y Gro;
 - (c) at National Grid Reference SN 45059 06236;
 - (d) shown marked 'Consent Point' on Plan BP0296901 attached as Annex 1.

SAMPLING POINTS

- 4) A sample point shall be provided and maintained at National Grid Reference SN 45015 06390, as shown marked 'Sample Point' on Plan BP0296901, so that a representative sample of the Discharge may be obtained. The Consent Holder shall ensure that all constituents of the Discharge pass through the said sampling point at all times and in any legal proceedings it shall, for the purposes of Section 10 of the Rivers (Prevention of Pollution) Act 1961, be presumed, until the contrary is shown that any sample of the discharge taken at the said sampling point is a sample of what was discharging into controlled waters.



CONSENT NO.	BP0296901
SCHEDULE NO.	BP0296901 01



**ASiantaeth Yr
Amgylchedd Cymru
Environment
Agency Wales**

VOLUME

- 5) The volume of the Discharge shall not exceed 4.9 cubic metres per day.

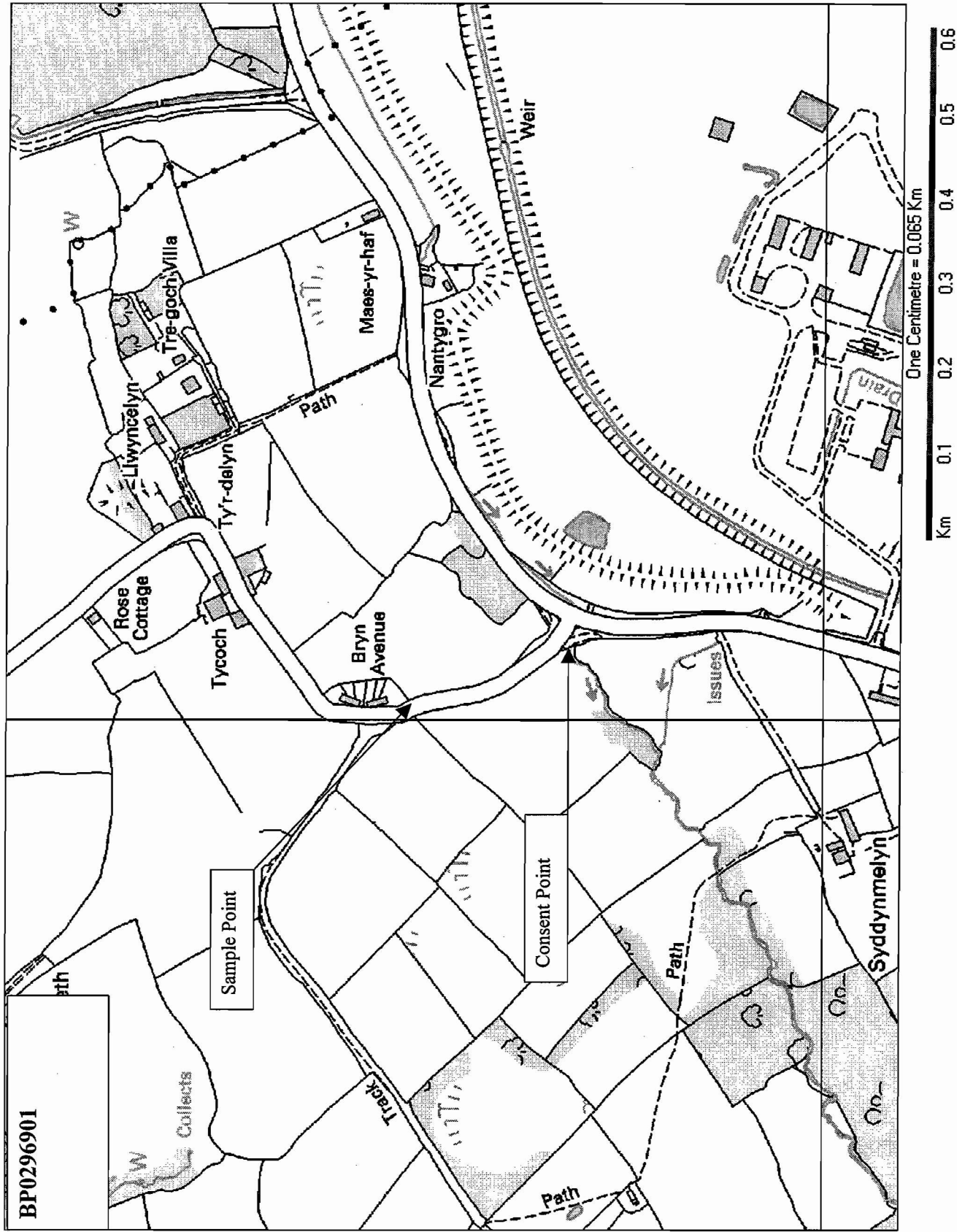
FLOW MEASUREMENT

- 6) At the request of the Agency, the Consent Holder shall install, operate and maintain a means of flow measuring to a specification and at a location required by the Agency, to enable the daily volume and/or instantaneous flow of the discharge to be recorded. The Consent Holder shall calibrate, operate and maintain the flow recorder to a standard agreed or specified by the Agency. The flow and maintenance records shall be provided to the Agency as and when requested.

COMPOSITION

- 7) The Discharge shall not contain more than:
- (i) 35 milligrammes per litre of biochemical oxygen demand (measured after 5 days at 20°C with nitrification suppressed by the addition of allyl-thiourea);
 - (ii) 60 milligrammes per litre of suspended solids (measured after drying at 105°C).
- 8) As far as is reasonably practicable, the treatment plant shall be operated so as to prevent:
- (a) any matter being present in the Discharge, other than matter specifically covered by numerical conditions in this consent, to such an extent as to cause the receiving waters, or any waters of which the receiving are a tributary, to be poisonous or injurious to fish in those waters, or to the spawning grounds, spawn food of fish in those waters, or otherwise cause damage to ecology of those waters; and
 - (b) the Discharge from having any other adverse environmental impact.







ASiantaeth yr
AMGYLCHEDD CYMRU
ENVIRONMENT
AGENCY WALES

Eich cyf/Your ref.

Ein cyf/Our ref. 2/CS/LL/BP0296901

Dyddiad/Date: 16th April 2002

Tony Derrick & Ken Phillips
Director of Operations
Parc Myrddin
Richmond Terrace
Carmarthen
SA31 1DC

Dear Mr Derrick & Mr Phillips,

**RE: WATER RESOURCES ACT 1991, SCHEDULE 10 (AS AMENDED BY THE ENVIRONMENT ACT 1995) APPLICATION FOR CONSENT TO DISCHARGE SWEAGE EFFLUENT AT A PACKAGE SEWAGE TREATMENT PLANT BY BRYN AVENUE, TRIMSARAN.
APPLICATION NO: BP0296901**

Further to your application the Agency has decided that consent should be given subject to conditions. I enclose the Agency's formal consent to discharge sewage effluent from Bryn Avenue, Trimasaran.

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

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

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

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

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

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





ASiantaeth YR
AMGYLCHEDD CYMRU
ENVIRONMENT
AGENCY WALES

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

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

Yours sincerely,

NIALL REYNOLDS
Area Environmental Planning Manager

Enc.

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

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





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:	<i>Official Use Only</i> <i>Dist/Area Ref:</i> <i>Application No.</i> B0296901 <i>Date Received:</i> 14/1/02 <i>Fee Received:</i> £94 -
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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.

New Package (Titan P25) Treatment Unit to serve
6 No properties at Bryn Avenue, Trimsaran

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 **0.47** m³/day
Briefly state how this figure was calculated (see note iii).

6 No. 4 person properties = 24 persons. Consumption 180 L/hd/day
plus infiltration @ 10% DWF = $24 \times 180 = 4320$ L/day.
Infiltration $4320 \times 10\% = 432$ L/d. Total DWF = $4320 + 432 = 4752$ L/day
Total DWF = $4752 / 10,000 = 0.47$ cu.m/d

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).

* **S N / 4 5 6 5 / 0 6 2 4** (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)

SW1 1050mm ϕ chamber.

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

* **S N / 4 5 1 4 / 0 6 3 9** (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 ☐

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?

01/05/02

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).

b) Has any person had a Prohibition Notice served on them in respect of this site?

☒ Y/N

If yes, please give the reference number.

3 SITE DETAILS

3.1 Please give the name of the relevant Planning Authority.

CARMARTHEN 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:

*

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

(a) Is any part of the system within 5 metres of the boundary of the premises? ☐ Y/N

(b) Is any part of the system within 10 metres of a watercourse? ☐ Y/N

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

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

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

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

(i) Depth of lining m

(ii) Depth of perforated lining m

(iii) Depth of unperforated lining m

(g) A percolation test must be carried out in accordance with British Standard BS6297:1983.
Have the results been provided? ☐ Y/N

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

*
* * GERRY DAVIES - HEAD OF HOUSING
* SOCIAL CARE & HOUSING
* 5 SPILLMAN STREET
* CARMARTHEN
*

Post Code: SA31 1LE

Daytime Telephone Number: C.P. DERRICK 01267 828844

Company Registration Number (if appropriate):

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

*
* DIRECTOR OF OPERATIONS
* PARC MYRDDIN
* RICHMOND TERRACE
* CARMARTHEN
*

Post Code: SA31 1DS

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

5.2

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

*
* (a) Above
*
* Please send copy of consent to Ken Phillips
* at (b) 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.

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 vi).
3. enclose 3 copies of the plan(s) and location maps with all relevant information clearly marked (see note vi).
4. will pay required advertising costs (see note vii).
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 viii).
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 ix).

(* Delete as appropriate)

SIGNED: K. Phillips PRINT NAME: K. PHILLIPS
ON BEHALF OF: CARMARTHENSHIRE COUNTY COUNCIL DATED: 10/01/02

o o o

CONFIDENTIALITY

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

SIGNED: _____ DATED: _____

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

Maximum Rate of Discharge from Bryn Avenue Housing Development, Trimsaran.

Population:

6 No. 4 person properties = 24 persons

Total Population = 24 persons

Consumption = 180 l/head/day

Infiltration = 10% (assumed)

DWF = $24 \times 180 = 4320$ l/day

Infiltration = $4320 \times 10\% = 432$ l/day

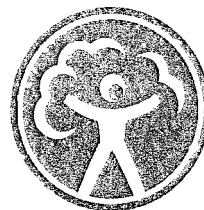
Total DWF = 4752 l/day

= 0.4752 cu.m/day

DWF = $4752/24/3600 = 0.055$ l/s

Assumed Peak DWF = $0.055 \times 4 = 0.22$ l/s
(4 DWF)

Peak DWF = 0.22 l/s



ENVIRONMENT AGENCY

ANNEXE 1

SEWAGE EFFLUENT GREATER THAN 5 CUBIC METRES PER DAY

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

Official Use Only
Application No.

1. Site Name.

No 1 Bryn Avenue, Trimsaran, Carmarthenshire

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

1 No Titan 25 P Biotec Unit (Below Ground)
Sewage Treatment Plant.

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

a) Maximum flow to full treatment.

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

0.47 m³/d

b) Dry weather flow of discharge(s).

0.47 m³/d

c) Average daily flow.

0.47 m³/d

d) Maximum rate of discharge(s) (4 DWF)

0.22 l/s

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

☒ N

If yes, please complete Annex 2.

5. a) Will any self monitoring take place?

☒ N

If yes, please give details.

b) Will automatic sampling equipment be provided?

☒ N

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

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

24 Persons.

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

N/A

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

RESIDENTIAL

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

Y/☒

Carmarthenshire County Council - Hydrology Section
Under normal usage the plant will require periodic service
as well as emptying to prevent excessive build up of surplus sludge.

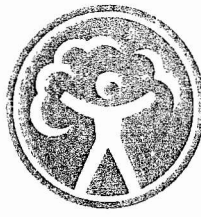
8. Does the effluent contain a trade component?

N/☒

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

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

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



ENVIRONMENT AGENCY

ANNEXE 2

SEWAGE EFFLUENT DISCHARGED IN STORM OR EMERGENCY CONDITIONS

Please complete this annexe if you are proposing to make a discharge of sewage in emergency or storm conditions (if the effluent is to contain a trade component then Annexe 3 should also be completed)

Official Use Only
Application No.

1. Site Name.

No 1 Bryn Avenue, Trimsaran, 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)

☐

Continuous flow from Titan P25 sewage treatment plant.

3. For effluents discharging from sewage treatment works, is the storm/emergency effluent discharged via the same outlet as the treated effluent? **SEPARATE SYSTEM**

Y/N

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

/ /

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

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

/ /

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

Y/N

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

/ /

5. Overflow settings

a) Overflow setting to storm tanks.

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.

N/A m³/day

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

'TITAN P25' sewage treatment plant is pre designed for maximum number (25 persons) of full time residents.

8. Will facilities be provided to raise alarms (eg. telemetry)?
If yes, please give details.

Y/☒

(Entec) 'Titan' Power & pressure failure detection system

9. Will facilities be provided to prevent the discharge of gross solids?
If yes, please give details (for screens give bar spacing or aperture).

Y/☒

Primary screening and settlement

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?

Vehicle Access to Treatment Unit.

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.

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

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

3. Rainfall Dependent Discharges

a) Is the volume going to be rainfall dependent?

Y/N

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

m²

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

4. Rainfall Independent Discharges

a) What is the maximum rate of discharge?

l/s

b) What is the average daily flow?

m³/d

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

i) give the abstraction licence number.

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

Y/N

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

Y/N

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

Y/N

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

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

Y/N

7 Has an application for Authorisation been made for a 'prescribed process' as defined in Part 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			
Fluocifuron				Trifluralin			
Hexachlorobenzene (HCB)				Triphenyltin compounds			
Hexachlorobutadiene (HCBd)				Vanadium			
Hexachlorocyclohexanes (HCH's)				Zinc			

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

Y/N

If yes, please give details.

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

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



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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.

No 1 Bryn Avenue, Trimsaran, Carmarthenshire.

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

110 mm

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

£12,000

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

Y/N

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

Tick





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

~~Pumped~~ / Gravity

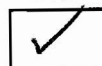
If pumped, please state the maximum pump rate in l/sec:

l/s

For proposed discharges of sewage in storm or emergency conditions:

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

Tick



8. Please state:

Population served (head)	24
Consumption (l/head/day) default = 180	180
Infiltration (m ³ /day)	10% 0.04 cu.m / day.
Industrial effluent flow (m ³ /day)	NIL
Dry Weather Flow (m ³ /day)	0.47 cu.m / day.
SOCA (l/sec)	N/A
Predicted spill frequency (per annum)	N/A

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.



Design

The Biotec sewage treatment plant employs the well proven aerobic biological process for the treatment of sewage 3 process stages take place within the single tank.

Course solids are screened and retained for gradual breakdown

The screened liquor is continuously distributed over plastic media by an airlift pump operated by a remotely sited blower

Final settlement of solids takes place. Under normal domestic conditions a discharge of 20mg/l BOD, 30mg/l S.S., 20mg/l Ammonia can be achieved

Minitec Specification

Max no. of full-time residents p/day	4
Average flow	m ³ /day 0.8
B.O.D. Load	kg/day 0.24
Weight empty	kg 180
O/A diameter	m. 1.8
O/A Depth	m. 1.98
Inlet invert	m. 1.0
Inlet invert to base	m. 0.98
Outlet invert	m. 1.1
Motor rating	watts. 60
Drainage fitting	m.m. 110

Biotec Specification

Max no. of full-time residents	6	12	18	25
Model No.	P6	P12	P18	P25
Daily flow	m ³ /day 1.2	2.4	3.6	5.0
BOD Load	kg/day 0.36	0.72	1.08	1.5
Weight empty	kg 200	250	300	320
Outside diameter	m. 1.88	1.88	2.6	2.6
Depth	m. 2.2	2.7	2.6	2.6
Inlet invert	m. 1.0	1.0	1.0	1.0
Inlet invert to base	m. 1.2	1.7	1.6	1.6
Outlet invert	m. 1.1	1.1	1.15	1.15
Motor rating	watts. 60	60	150	150
Drainage fitting	m.m. 110	110	110	110

These charts are a general guide

Other Products

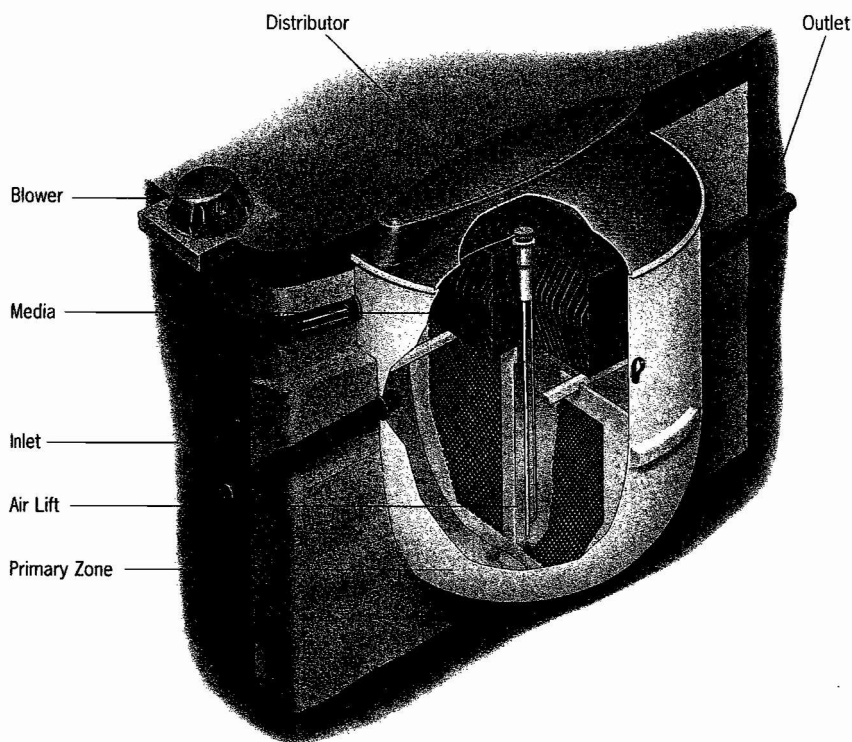
Titan manufactures a wide range of pollution control equipment including:

Biotec package sewage treatment plants up to 375 population equivalent

Septic Tanks Cesspools
Pumpsets Grease Traps
Petrol Oil Separators

BIOTEC BELOW GROUND

Sewage treatment plant Minitec, P6, P12, P18 & P25



Installation

The unit is normally installed with the cover flush, however it can protrude above ground if required by site levels. Siting should be no closer than 15m. from the nearest house.

The plant should be seated on a concrete base with a surround of pea shingle in a dry site or concrete in a wet site.

The blower housing can be located anywhere within a 15m. radius of the plant itself.

Maintenance

The Biotec sewage treatment plant is designed for minimum low cost maintenance.

Titan offers a full commissioning and after sales service.

Under normal usage the plant will require periodic emptying.

Dispersal

Subject to the relevant authorities consent, the plant discharge can be to a water course or, provided the soil percolation test is satisfactory, to a ground soakaway.

Options

- Pumpsets - for lifting treated effluent to a level where discharge cannot be by gravity
- Sample Chambers - for accurate and convenient effluent sampling, as required by the relevant authorities

Advice

The information in this sales literature is only brief. For more detailed technical literature please contact Titan. Either internal or external sales staff will be pleased to assist.

TITAN

Titan (Pollution Control) Ltd
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Entec

