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Environment  
Agency Wales

# Consent to Discharge

Water Resources Act 1991 (as amended by the Environment Act 1995)  
Groundwater Regulations 1998

**Consent Holder(s)**

Mr Pel Raynor  
Brimaston Ltd  
Eastwood  
Narbeth  
Pembrokeshire  
SA67 8BU

**Consent to Discharge from**

Caersagan  
St Nicholas  
Fishguard  
Pembrokeshire  
SA64 0LX

**Consent Number**

**BP0362601**

**Asiantaeth yr Amgylchedd Cymru**  
MaesNewydd, Llandarsi, Nedd Port Talbot, SA10 6JQ  
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**Consent to Discharge**

Water Resources Act 1991  
Section 88, Schedule 10  
(as amended by the  
Environment Act 1995) and the  
Groundwater Regulations 1998

## Consent to Discharge Consent Number

**BP0362601**

To:

**Mr Pel Raynor** ("the Consent Holder")  
**Eastwood**  
**Brimaston Ltd**  
**Narbeth**  
**Pembrokeshire**  
**SA67 8BU**

The Environment Agency ("the Agency") in pursuance of its powers under the Water Resources Act 1991 (as amended by the Environment Act 1995) and the Groundwater Regulations 1998 hereby consents to the making of a discharge:

Of:

**Biologically Treated Sewage Effluent** containing no trade effluent ("the Discharge")

From:

**A package sewage treatment works serving 7 domestic properties**

At:

**Caersagan, St Nicholas, Fishguard, Pembrokeshire, SA64 0LX**

To:

**Ground Waters, via, and/or to a seasonal soakaway;**

Subject to the conditions set out in this notice of Consent to Discharge.


Under the provisions of Regulation 11 of the Groundwater Regulations 1998, the Agency will review this Consent at least every 4 years and may renew, amend or revoke the Consent in writing at any time.

This Consent is issued on: 14<sup>th</sup> September 2007

This Consent takes effect on: 14<sup>th</sup> September 2007

This Consent shall cease to have effect on the date specified in Condition 12

Signed



**Stuart Thomas**  
**Team Leader Regulatory Water Quality**

## Conditions of Consent for Biologically Treated Sewage Effluent containing no trade effluent

### **1 Definitions**

1.1 References to ground waters and groundwater in this Consent have the following meaning:

- *ground waters* are controlled waters in accordance with Section 104(1) (d) of the Water Resources Act 1991, i.e. any waters contained in underground strata (above or below the zone of saturation)
- *groundwater* is water below the surface of the ground in the saturation zone and in direct contact with the ground or subsoil as defined in Regulation 1(3) of the Groundwater Regulations 1998.

### **2 Nature of effluent**

2.1 The Discharge shall consist solely of **Biologically Treated Sewage Effluent** containing no trade effluent.

### **3 Place of Discharge**

3.1 The Discharge shall be made in the manner and at the place specified as:

- a** discharging to ground waters via a soakaway system;
- b** at National Grid Reference SM 90627 36577;

shown marked "Discharge point" on Site Plan attached to this Consent.

3.2 There shall be no direct discharge to groundwater.

3.3 The soakaway shall be constructed to comply with the following:

- a** no part of the soakaway system constructed shall be more than 2 metres below ground level;
- b** no part of the soakaway system shall be below the highest predicted annual groundwater level;
- c** there is no connection to any watercourse or land drainage system;
- c** no part of the soakaway system is situated within 10 metres of any ditch or watercourse;
- d** no part of the soakaway system is within 50 metres of a well or borehole used for water supply.

### **4 Sampling Point Requirements**

4.1 **a** An appropriately labelled sample point shall be provided by and maintained at National Grid Reference SM 90638 36583, as shown marked 'SAMPLE POINT' on the attached Plan BP0355001, or some other point as agreed in writing with the Agency, so that a representative spot sample of the Discharge may be obtained.

- b** 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 ground waters.
- c** The Consent Holder shall provide safe access to the sample point at all times.

**5 Volume**

- 5.1 The volume of the Discharge shall not exceed 8.0 cubic metres per day.

**6 Composition**

- 6.1 (i) Notwithstanding condition 2.1 above (Nature of effluent) and subject to paragraph (ii) below, the discharge shall not contain more than:
- a** 20 milligrammes per litre of biochemical oxygen demand (measured after 5 days at 20°C with nitrification suppressed by the addition of allyl-thiourea)
  - b** 20 milligrammes per litre of ammoniacal nitrogen (expressed as N)
  - c** 30 milligrammes per litre of suspended solids (measured after drying at 105°C)
- 6.2 As far as is reasonably practicable, the works shall be operated so as to prevent the Discharge from containing any significant trace of visible oil or grease.
- 6.3 The discharge to the receiving watercourse shall only occur when the capacity of the soakaway system has been fully utilised and it is unable to retain further effluent.

**7 Groundwater Regulations List I and II Substances**

- 7.1
- a** There shall be no direct or indirect discharge of List I substances (as set out in the Schedule to this consent) to groundwater;
  - b** The discharge shall not cause pollution of groundwater by List II substances (as set out in the Schedule to this consent).

**8 Works Operation**

- 8.1 The works shall be operated and the effluent shall be treated in a manner which, so far as reasonably practicable, minimises the effects of the discharge made from the works on the quality of the receiving ground waters.
- 8.2 This condition does not require
- any higher standard to be achieved in relation to any characteristic of the discharge which is specifically regulated by conditions 7.1 to 7.3 than is required by those conditions
  - any alteration of the sewage treatment works or a change in the type of treatment.

**9 Unusual Weather**

- 9.1
- a No sample of the discharge taken at a time when unusual weather conditions are adversely affecting the operation of the sewage treatment works, shall be taken into account in deciding whether or not conditions under **7** (Composition) and **9** (Works Operation) of this consent have been complied with.
  - b For the purpose of this condition "unusual weather conditions" shall include:-
    - (i) low ambient temperatures as evidenced by effluent temperatures of 5°C or less, or by the freezing of mechanical equipment in the works;
    - (ii) significant snow deposits;
    - (iii) tidal or fluvial flooding;
    - (iv) weather conditions causing unforeseen loss of power supply to the sewage treatment which could not be ameliorated by the reasonable provision and operation of standby generation facilities.
  - c On any occasion where unusual weather conditions adversely affect the operation of the sewage treatment works, the Consent Holder shall use its best endeavours to mitigate that adverse affect.
  - d For a sample of the discharge to be considered for the purposes of 10.1a above, the Consent Holder shall notify the Agency by email, fax or telephone as soon as unusual weather conditions are known to have adversely affected operations and shall confirm the circumstances in writing as soon as possible thereafter (and in any event within 14 days of the occurrence of such conditions). That notification shall include a full description of the unusual weather conditions and their impact on the operation of the works.

**10 Recording and Reporting**

- 10.1
- a The Consent Holder shall establish and operate a documented maintenance programme and record all non-routine events that may have adversely affected effluent quality. Copies of the programme shall be made available for inspection by the Agency's officers at all reasonable times.

**9.1b On request the Consent Holder shall supply the Agency with a written report on the maintenance and all non-routine events that may have adversely affected effluent quality**

**11 Unauthorised Discharges**

- 11.1
- a A discharge made from the works shall not contain any poisonous, noxious or polluting 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.

**12 End date**

The consent shall cease to have effect on 14/09/2019.



## SCHEDULE

### Substances to be controlled under the Groundwater Regulations 1998.

#### List I

"List I" substances are the most toxic and must be prevented from entering groundwater. They include pesticides, sheep dip and solvents.

- Organohalogen compounds and substances which may form such compounds in the aquatic environment
- Organophosphorus (OP) compounds
- Organotin compounds
- Substances which possess carcinogenic, mutagenic, or teratogenic properties in or via the aquatic environment (including substances which may have those properties which would otherwise be in list two)
- Mercury and its compounds
- Cadmium and its compounds
- Mineral oils and hydrocarbons
- Cyanides

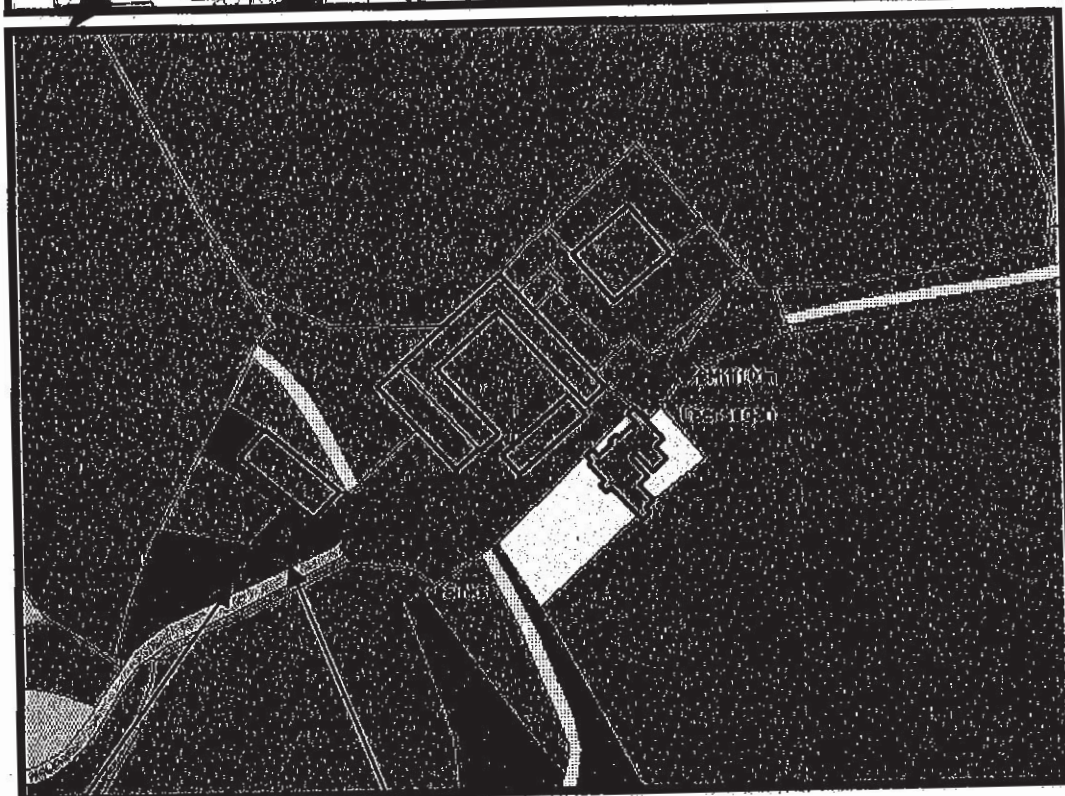
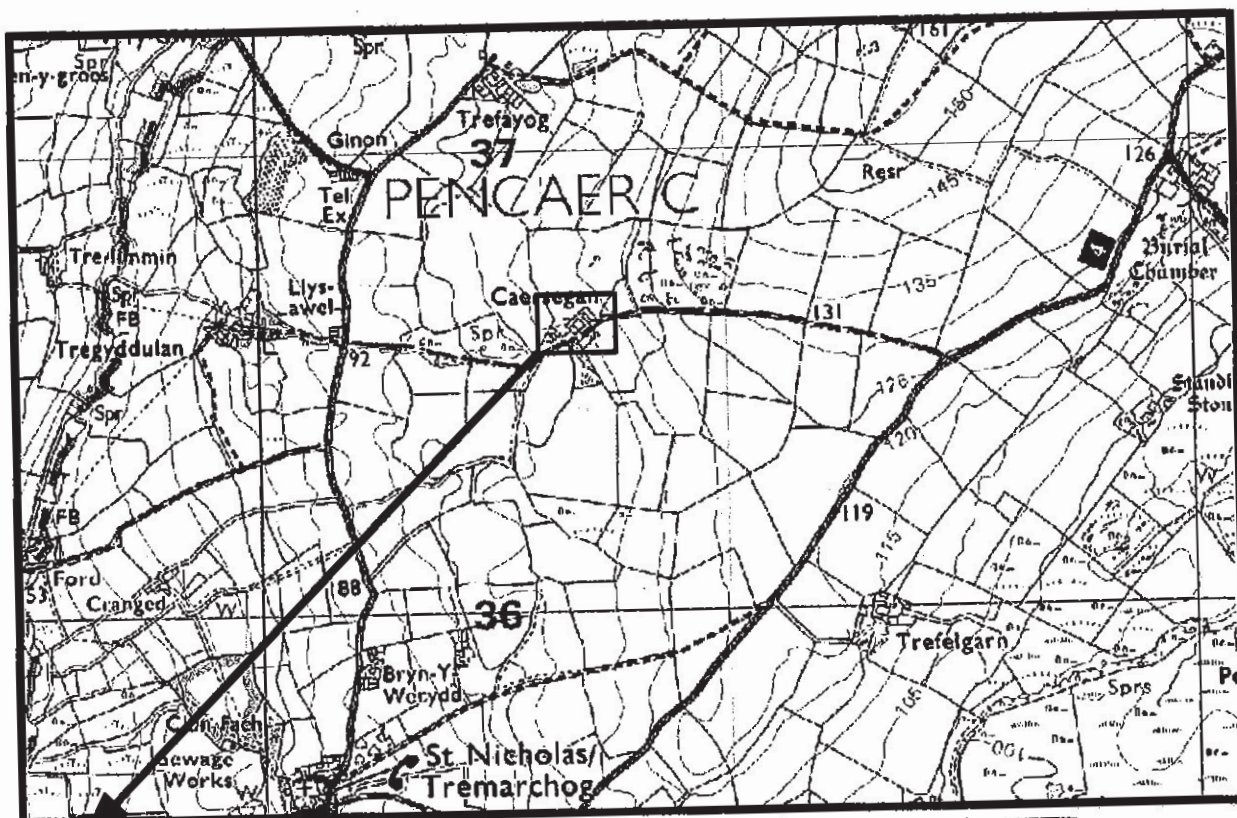
#### List II

"List II" substances are less dangerous but, if disposed of in large amounts, could be harmful to groundwater. Entry of these substances into groundwater must be restricted.

- The following metals and metalloids and their compounds

Zinc	Antimony	Uranium
Copper	Molybdenum	Vanadium
Nickel	Titanium	Cobalt
Chromium	Tin	Thallium
Lead	Barium	Tellurium
Selenium	Beryllium	Silver
Arsenic	Boron	
- Biocides (including pesticides) and their derivatives not appearing in list I
- Substances which have a deleterious effect on the taste or odour of groundwater, and compounds liable to cause the formation of such substances in such water and to render it unfit for human consumption.
- Toxic or persistent organic compounds of silicon, and substances which may cause the formation of such compounds in water, excluding those which are biologically harmless or are rapidly converted in water into harmless substances.
- Inorganic compounds of phosphorus and elemental phosphorus
- Fluorides
- Ammonia and nitrites

## 2. BP0362601 Site Plan Caersagen Barn Conversion.



Discharge Point

Sample Point