



**ENVIRONMENT
AGENCY**

Consent to Discharge

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

Consent Holder

Operations Director

Talacre Beach Caravan Sales Ltd

1st Floor Royal Liver Buildings

Liverpool

L3 1PS

Consent to Discharge from

Plas Coch Caravan Park

Llanedwen

Llanfairpg

Anglesey

LL61 6ED

Consent Number

NPSWQD001968

Consent to Discharge

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



**ENVIRONMENT
AGENCY**

Consent to Discharge

Consent Number

NPSWQD001968

To:

Operations Director

Talacre Beach Caravan Sales Ltd

1st Floor Royal Liver Buildings

Liverpool

L3 1PS

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

Of:

Secondary treated sewage effluent and trade effluent disinfected by ultra violet (UV) irradiation ("the Discharge")

From:

The sewage treatment plant and UV disinfection system

At:

Plas Coch Caravan Park, Llanedwen, Llanfairpg. Anglesey, LL61 6ED

To:

Menai Strait

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

Subject to the provisions of Paragraphs 7 and 8 of Schedule 10 of the Water Resources Act 1991(as amended by the Environment Act 1995), no notice shall be served by the Agency, altering this consent, without the agreement of the Consent Holder, during a period of 4 years from the date this notice is issued.

This Consent is granted on: 31 July 2008

This Consent takes effect on: 31 July 2008

Signed

Mel Bischer - National Permitting Team Leader

1 Conditions of Consent for secondary treated sewage effluent and trade effluent disinfected by ultra violet (UV) irradiation

1.1 **Nature**

1.1.1 The Discharge shall consist solely of secondary treated sewage effluent and trade effluent disinfected by ultra violet (UV) irradiation.

1.1.2 For the purpose of this consent, "disinfection" is defined as the use of a process designed specifically to reduce the number of viable, potentially infectious micro-organisms in the effluent.

1.1.3 The discharge shall be disinfected by means of a broad spectrum medium pressure artificial UV source with at least 85% of available UV irradiation emitted in the wavelength range 200 to 300nm (Medium Pressure Lamp) or UV irradiation from an artificial source with at least 85% of the available radiation emitted in the wavelength range 250 to 260nm (Low Pressure Lamp). An applied UV dose of 30 mJ/cm² (calculated at a theoretical UV transmittance of 45%) must be exceeded.

1.2 **Period of disinfection**

The disinfection of effluent by means of UV irradiation is required throughout the year.

1.3 **Place of Discharge**

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

- a** discharging to Menai Strait;
- b** at National Grid Reference SH 51917 67711;
- c** shown marked "OUTLET" on the Site Plan attached to this consent.

1.4 **Sampling Point Requirements**

1.4.1 A sample point shall be provided and maintained at National Grid Reference SH 50695 68168 as shown marked "SAMPLE POINT" on the Site Plan attached to this consent, 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.

1.5 **Volume**

1.5.1 The volume of the Discharge shall not exceed 194.2 cubic metres per day.

1.6

Flow Measurement

1.6.1

- a** 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 sewage through the sewage treatment plant to be recorded.
- b** The Consent Holder shall calibrate, operate and maintain the flow monitoring and recording system to a standard agreed or specified by the Agency. The flow and maintenance records shall be provided to the Agency as and when requested.

1.7

Composition

1.7.1

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 allylthiourea)
- b** 30 milligrammes per litre of suspended solids (measured after drying at 105°C)

1.7.2

As far as is reasonably practicable, the sewage treatment plant shall be operated so as to prevent the Discharge from containing any visible oil or grease.

1.8

Urban Waste Water Treatment Regulations

1.8.1

- a** The Consent Holder shall comply with the Urban Waste Water Treatment (England and Wales) Regulations 1994 ('the Regulations').
- b** For the purpose of condition 1.8.2 below, interpretations and references to a numbered regulation or Schedule shall have the meaning as in the Regulations, unless otherwise indicated.

1.8.2

- a** The Discharge derives from an agglomeration with a population equivalent of less than 2,000 discharging to coastal waters.
- b** The Consent Holder shall inform the Agency in writing of any change, or proposed change, to the population equivalent such as would make a material change to the application of the Regulations and shall, on request, inform the Agency in writing of the actual population equivalent.
- c** The Discharge shall be subject to Regulation 5(7) and satisfy the requirements of Regulation 5(8)(a).

1.9

British Standard

1.9.1

The sewage treatment plant shall conform to all relevant British Standards in place at the time of installation.

1.10

Works Operation

1.10.1

The sewage treatment plant shall be operated and the effluent shall be treated in a manner which, so far as reasonably practicable, minimises the polluting effects of the discharge made from the plant on controlled waters.

This condition does not require -

- a** any higher standard to be achieved in relation to any characteristic of the Discharge which is specifically regulated by conditions 1.7.1 and 1.7.2 above than is required by those conditions;
- b** any alteration of the sewage treatment plant or a change in the type of treatment used.

1.11

Maintenance

1.11.1

The sewage treatment 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.

1.12

Maintenance of the Ultra Violet Disinfection System

1.12.1

The Consent Holder shall instigate a maintenance programme in line with the supplier's design specification requirements. A copy of the programme is to be supplied to the Agency for agreement prior to commissioning of the system.

1.13

Emergency notification

1.13.1

The Consent Holder shall notify the Agency and Local Food Authority in the event of a Discharge of sewage effluent which has not been subjected to the required UV dose as specified in conditions 1.1.3 of this consent, or of power failure causing loss of secondary treatment. Such notification must be made as soon as practicable and no later than 24 hours after the event, and shall detail the reasons why the situation occurred, and the actions taken by the Consent Holder.

1.14

Alarm System

1.14.1

A visual audible alarm system shall be provided and maintained by the Consent Holder to provide a warning in the event that failure of the UV dosing system have occurred.

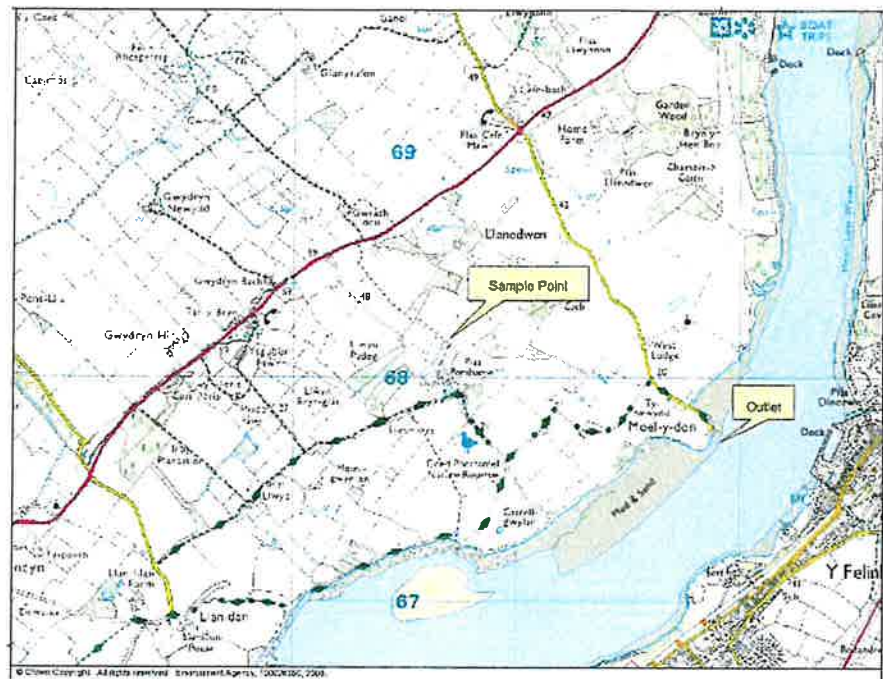
1.15

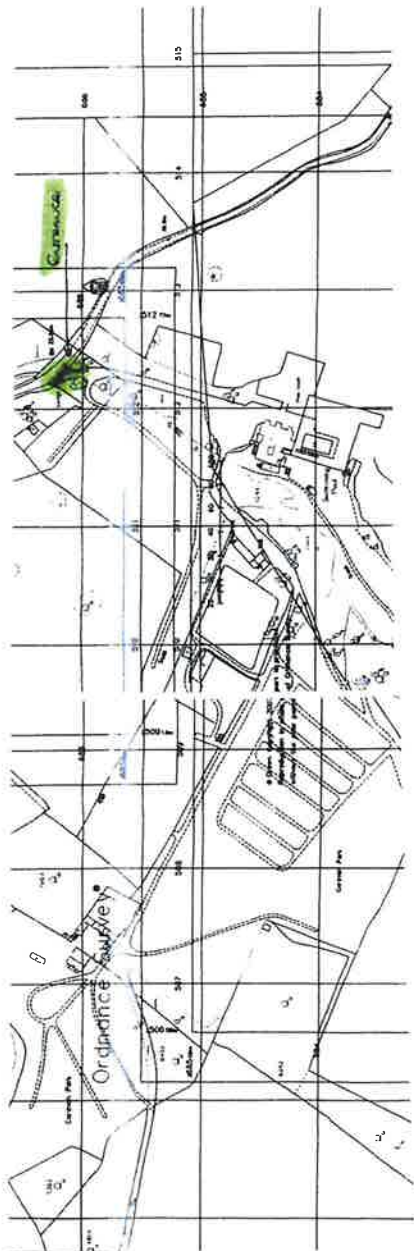
Recording and Reporting

1.15.1

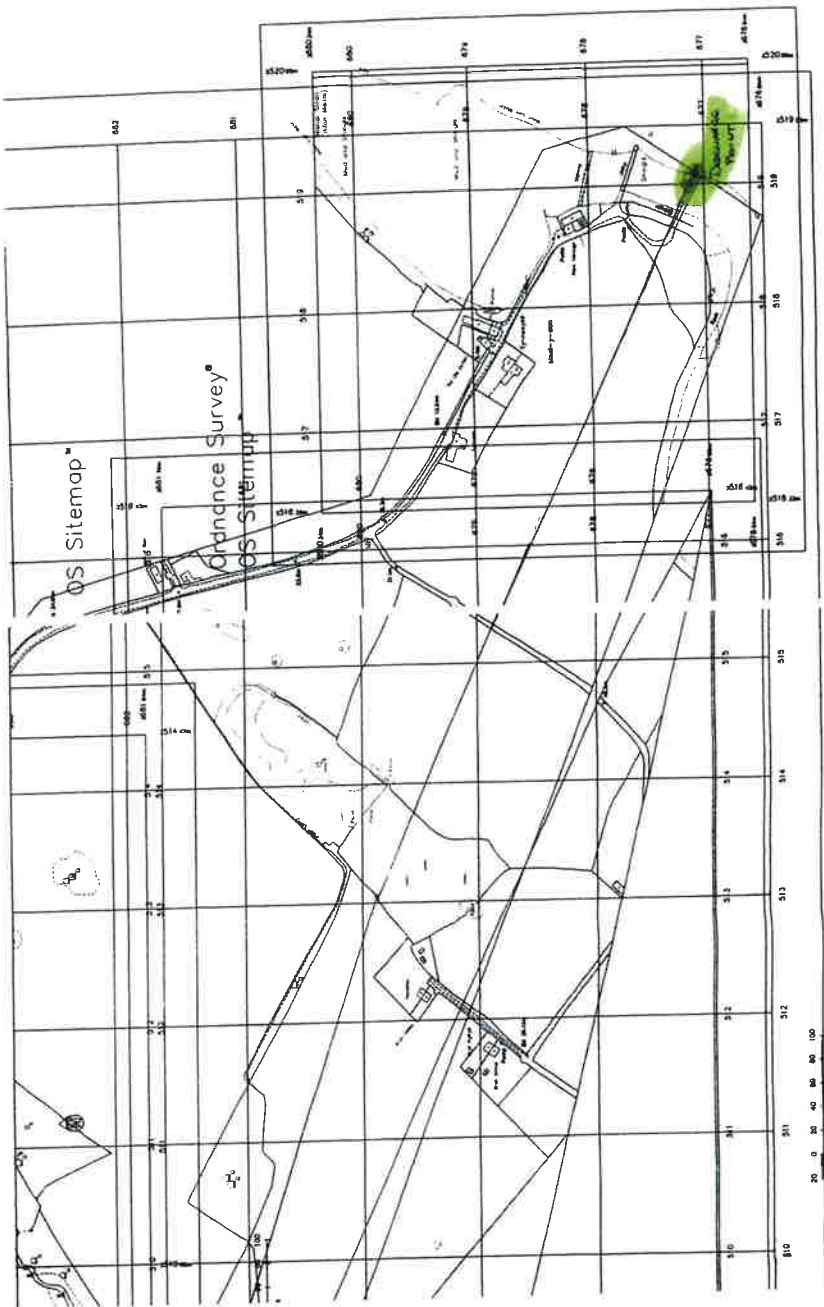
- a** The Consent Holder shall establish and operate a documented maintenance programme and record all non-routine actions undertaken that may have adversely affected effluent quality. Copies of the programme shall be made available for inspection by the Agency's officers at all reasonable times.
- b** On request the Consent Holder shall supply the Agency with a written report on the maintenance and all non-routine actions that may have adversely affected effluent quality.
- c** The Consent Holder shall as soon as reasonably practicable report to the Agency all non-routine actions that may have adversely affected effluent quality.

Site plan





NPSWD1001968



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Metres

0 20 40 60 80 100
Metres

0 20 40 60 80 100
Metres

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