

Consent to Discharge

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

Consent Holder	Mid Wales Housing Association Limited Bryn Aderyn The Bank Newtown Powys SY16 2AB
Company Registration Number	IP21416R
Consent to Discharge from	9 Properties at Land Adjacent to Maesyrawel Ponterwyd Aberystwyth Ceredigion
Consent Number	NPSWQD006065

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:

NPSWQD006065

To:

Mid Wales Housing Association Limited ("the Consent Holders")
Bryn Aderyn
The Bank
Newtown
Powys
SY16 2AB

Company Registration Number:

IP21416R

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:

Secondary treated sewage effluent containing no trade effluent ("the Discharge")

From:

The sewage treatment plant serving 9 domestic properties

At:

Land Adjacent to Maesyrawel, Ponterwyd, Aberystwyth, Ceredigion

To:

Ground Waters, via a soakaway

Subject to the conditions set out in this 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 granted on: 18th September 2009.

This Consent takes effect on the date specified in Condition 1.10 of this Consent.

This Consent shall cease to have effect on the date specified in Condition 1.11 of this Consent.

Signed

A rectangular box containing a handwritten signature in black ink, which appears to read "Lynn Rogers".

Lynn Rogers - Permitting Team Leader

1 Conditions of Consent for secondary treated sewage effluent containing no trade effluent

Definitions

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.

1.1 Nature

- 1.1.1 The Discharge shall consist solely of secondary treated sewage effluent containing no trade effluent.

1.2 Place of Discharge

- 1.2.1 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 SN 75128 80809;
- c shown marked "OUTLET" on the Site Plan attached to this Consent.

- 1.2.2 There shall be no direct discharge to groundwater.

- 1.2.3 The soakaway shall be constructed to comply with the following:

- a The soakaway shall be designed in accordance with the relevant British Standards currently in force;
- b no part of the soakaway system constructed shall be more than 2 metres below ground level;
- c no part of the soakaway system shall be less than 1.2m above the highest predicted annual groundwater level;
- d the soakaway shall not connect to any watercourse or land drainage system;
- e no part of the soakaway system shall be situated within 10 metres of any ditch or watercourse;
- f no part of the soakaway system shall be within 50 metres of a well or borehole used for water supply.

1.3 Sampling Point Requirements

1.3.1

- a A sample point shall be provided and maintained at National Grid Reference SN 75135 80766, as shown marked 'SAMPLE POINT' on the attached Site Plan, or some other point as agreed in writing with the Agency, so that a representative 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.

1.4 Volume

1.4.1 The volume of the Discharge shall not exceed 5.7 cubic metres per day.

1.5 Flow Measurement

1.5.1 At the request of the Agency:

- a A continuous flow measurement and recording system (“the flow system”) that complies with MCERTS Flow Monitoring scheme shall be provided by a date specified by the Agency and operated to record the total daily volume of the Discharge;
- b The flow system shall also measure and record the instantaneous flow at least every 15 minutes or the 15-minute average flow every 15 minutes. The Consent Holder shall provide and operate on-site visual display from which the Agency can readily obtain the instantaneous or 15-minute average flow readings;
- c The Consent Holder shall hold records of the total daily volume and the 15-minute flow readings;
- d As soon as reasonably practicable after installation of the flow system and before the expiry of any certificate issued, the Consent Holder shall employ an independent expert to clarify that the flow system complies with the MCERTS Flow Monitoring scheme;
- e The Consent Holder shall immediately on issue provide a copy of the MCERTS certificate to the Agency and shall provide a copy of the independent expert's report to the Agency on request.
- f The Consent Holder shall ensure that the flow system is always subject to a current MCERTS certificate;
- g The Consent Holder shall produce and maintain a documented procedures for the calibration, operation and maintenance of the flow system (“maintenance procedures”);
- h The Consent Holder shall employ an independent expert to certify that the maintenance procedures comply with the MCERTS requirements;
- i The Consent Holder shall calibrate, operate and maintain the flow system in accordance with the maintenance procedures. The Consent Holder shall keep a record of the maintenance procedures and maintenance records available for inspection of the Agency and provide a copy to the Agency on request;
- j The Consent Holder shall record all failures of the flow system and any other breaks in the flow record. The reasons for all failures and breaks that lead to missing or suspect total daily volume records and all steps taken to prevent a re-occurrence shall be recorded;
- k The Consent Holder shall ensure that the flow system remains fully operational at all times and shall remedy any failures as soon as reasonably practicable.
- l The Consent Holder shall provide records of the flow readings and the reasons for any significant breaks in the record when requested, in a format specified by the Agency.

- m Flows of the Discharge shall be measured at the sample point National Grid Reference SN 75128 80809 or such other point as agreed by the Agency.

1.6 Composition

1.6.1 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 allyl-thiourea)
- b 30 milligrammes per litre of suspended solids (measured after drying at 105°C)
- c 20 milligrammes per litre of ammoniacal nitrogen (expressed as N)

1.6.2 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

1.7 Groundwater Regulations List I and II Substances

1.7.1

- 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 of List II substances (as set out in the Schedule to this consent) shall be restricted to minimise the impact on and prevent pollution of groundwater.

1.8 Works Operation

1.8.1

- a The sewage treatment plant 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 sewage treatment plant on the quality of the receiving ground waters.
- b This condition does not require
 - i. any higher standard to be achieved in relation to any characteristic of the discharge which is specifically regulated by Condition 1.6 than is required by that condition
 - ii. any alteration of the sewage treatment works or a change in the type of treatment.

1.9 Recording and Reporting

1.9.1

- 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.

- b 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.

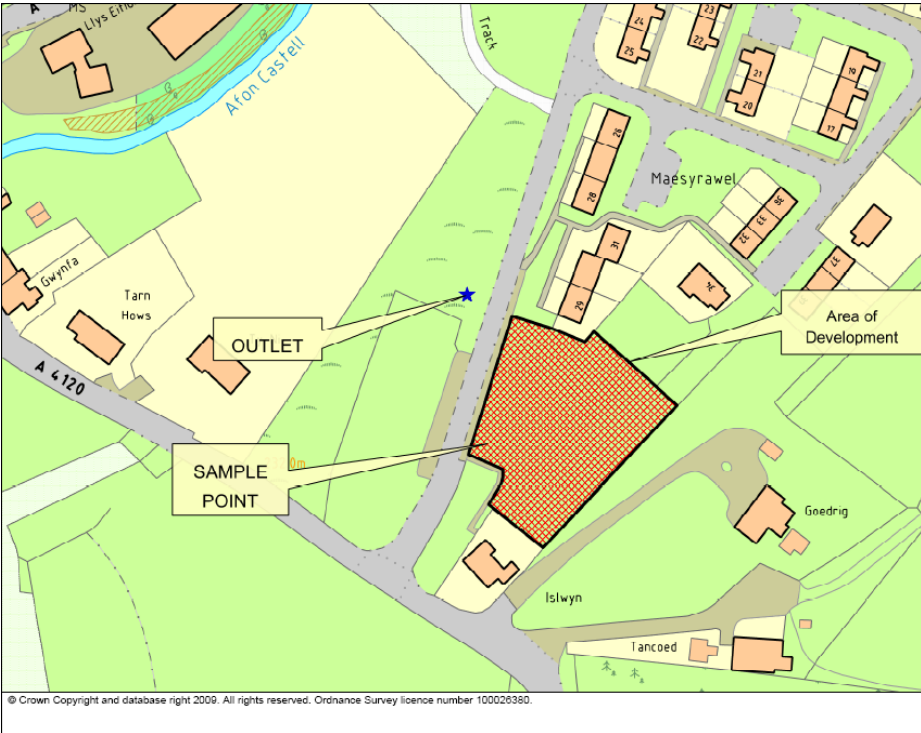
1.10 Start Date

1.10.1 The Consent shall come into effect on 1st October 2009

1.11 Expiry date

1.11.1 The consent shall cease to have effect on 1st October 2021

Site Plan



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