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Dr Christopher Weedon  
Director  
Watercourse Systems Ltd  
Will's Barn  
Chipstable  
Taunton  
Somerset  
TA4 2PX



Asiantaeth yr  
Amgylchedd Cymru  
Environment  
Agency Wales

Our ref: BM0021001  
Your ref:

Date: 17<sup>th</sup> of December 2007

Dear Mr Weedon

**Application for variation of consent to discharge sewage and trade effluent by  
Roadchef Ltd from premises at Pont Abraham Motorway Service Area, M4  
Motorway, Llanedi  
Application no: BM0021001**

**Water Resources Act 1991 (as amended by the Environment Act 1995)  
Schedule 10**

Please find enclosed the Consent to discharge under the above Act in respect of your application on behalf of your client Roadchef Ltd received in August 2007. Would you please ensure that the enclosed documentation is forwarded to your client immediately.

Yours sincerely

**Kimberley Ekin-Wood  
Regulatory Water Quality**

Llinell uniongyrchol/Direct dial	01792 325552
Ffacs uniongyrchol/Direct fax	01792 325530
E-bost uniongyrchol/Direct e-mail	kimberley.ekin-wood@environment-agency.gov.uk

Asiantaeth yr Amgylchedd Cymru  
Maes Newydd, Llandarsi,  
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Environment Agency Wales  
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www.environment-agency.wales.gov.uk





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Roadchef Ltd  
Roadchef House  
Norton Canes MSA  
Betty's Lane  
Cannock  
Staffordshire

Our ref: BM0021001  
Your ref:

Date: 17<sup>th</sup> of December 2007

Dear Sir

**Application for variation of consent to discharge sewage and trade effluent by Roadchef Ltd from premises at Pont Abraham Motorway Service Area, M4 Motorway, Llanedi**

**Application no: BM0021001**

**Water Resources Act 1991 (as amended by the Environment Act 1995) Schedule 10**

I enclose our formal notice of variation of consent to discharge sewage and trade effluent from Pont Abraham Motorway Service Area, M4 Motorway, Llanedi.

The changes to conditions in the consent may result in a change to the annual charge. If this is the case, we will send you a revised bill. Information on our charges is available through our website at [www.environment-agency.gov.uk/charges](http://www.environment-agency.gov.uk/charges). If you do not have access to the internet, a hard copy is available from me on request.

If you consider that the conditions of the Variation of consent are unreasonable, you have a right of appeal to:

National Assembly for Wales  
Environment Protection & Quality Division – Water Branch  
Cathays Park  
Cardiff CF10 3NQ

Your appeal must be given in writing within three months of the date of issue of the Modification of consent and must include a statement of the grounds for the appeal. You should also send a copy of the appeal to us at the address below.

Details of this Consent, and associated application, are placed on our Public Register which is open for inspection by the public.

If you have any queries please contact me.

Yours sincerely

**Kimberley Ekin-Wood**  
**Regulatory Water Quality**

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## Variation of Consent to Discharge

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

**Consent Holder(s)**

Roadchef Ltd  
Roadchef House  
Norton Canes MSA  
Betty's Lane  
Cannock  
Staffordshire

**Consent to Discharge from**

Pont Abraham Motorway Service Area  
M4 Motorway  
Llanedi  
Pontarddulais  
Carmarthenshire  
SA4 0FU

**Consent Number**

**BM0021001**





**Consent to Discharge**

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

## Variation of Consent to Discharge

Consent Number

**BM0021001**

To:

**Roadchef Ltd ("the Consent Holder")  
Roadchef House  
Norton Canes MSA  
Betty's Lane  
Cannock  
Staffordshire**

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

Of:

**Tertiary treated sewage effluent and trade effluent ("the Discharge")**  
with respect to Consent No. **BM0021001** issued on the **22 May 1997**

From:

**A sewage treatment plant serving a motorway services**

At:

**Pont Abraham Motorway Service Area, M4 Motorway, Llanedi**

To:


**Afon Gwili via a reed bed system**

Hereafter subject to the conditions set out in this Variation 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 variation of consent, without the agreement of the Consent Holder, during a period of 4 years from the date this variation is issued.

This Consent is issued on and takes effect on 1<sup>st</sup> December 2007

Signed



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





# 1 Conditions of Consent for tertiary treated sewage effluent and trade effluent

## 1.1 Nature

1.1.1 The Discharge shall consist solely of tertiary treated sewage and 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 the Afon Gwili;
- b at National Grid Reference SN 57465 07213;
- c shown marked "CONSENT POINT" on Site Plan attached to this consent.

## 1.3 Sampling Point Requirements

1.3.1 A sample point shall be provided and maintained at National Grid Reference SN 57465 07228, as shown marked 'SAMPLE POINT' on the attached Site Plan BM0021001, or some other point as agreed in writing with the Agency, so that a representative spot sample of the Discharge may be obtained.

## 1.4 Volume

1.4.1 The volume of the Discharge shall not exceed 40 cubic metres per day.

## 1.5 Composition

1.5.1 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).

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

## 1.6 Priority Substances

1.6.1

- a The quantity of Copper or Zinc in the Discharge shall not increase above the levels in the Discharge on the date of effect of this consent where no specific level is authorised; and
- b notwithstanding a above, the Discharge shall not contain quantities of Copper or Zinc such as to cause or contribute to the concentration of that substance in the receiving water exceeding the relevant Environmental Quality Standard (EQS).

## 1.7 Works Operation

1.7.1 The works 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 works 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 condition 1.5 than is required by those conditions;
- b** any alteration of the works or a change in the type of treatment used.

**1.8 Flow Monitoring**

- 1.8.1** 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. The flow measurement installation shall enable the total daily volume of the discharge to be recorded. The Consent Holder shall calibrate, operate and maintain the flow measurement and recording system to a standard specified by their quality management system, that has been approved by an independent expert. The flow and maintenance records shall be provided to the Agency as and when requested.

**1.9 Maintenance**

- 1.9.1** The treatment system shall be operated and maintained in accordance with good operational practice such that:

**For the:**

- a** The package plant shall be desludged at sufficient frequency and in such a manner to prevent excessive carryover of suspended solids

**for the Reedbed:**

- b** ensure effective and even distribution of the treated sewage effluent feed;
- c** the treated sewage effluent flow does not by-pass or short circuit within the reedbed;
- d** the discharge is collected and discharged at a single point;
- e** the reedbed shall be maintained to prevent excessive weed growth;
- f** the influent and effluent pipes shall be maintained in an efficient operational condition so as to minimise the probability of blockages or other failures;

**2.0 Recording and Reporting**

**2.0.1**

- 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.



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## Site plan BM0021001

