

Water Resources Act 1991
as amended by the Environment Act 1995

Consents to Discharge
Certificate of Holder



ASiantaeth Yr
AMGYLCHEDD CYMRU
ENVIRONMENT
AGENCY WALES

Part A DWR CYMRU CYFYNGEDIG
To: PENTWYN ROAD
NELSON
TREHARRIS
CF46 6LY

COPY

NB: For a body corporate the job title is a point of contact.
Holder Start Date: 11/09/01

The Environment Agency ("the Agency") hereby confirm that the above named person is a/the registered holder of
consent BG0040001 Consent Issued: 11/09/2001

Nature of Discharge(s); STEC Treated sewage Effluent - Continuous
at SN6989028140 LLANGADOG STW

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:

Water Resources Act 1991: Notice of transfer of consent to discharge

Consent BG0040001 Name: DWR CYMRU CYFYNGEDIG
Consent Issued: 11/09/2001 Address: PENTWYN ROAD
NELSON
TREHARRIS
CF46 6LY

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:

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



ASiantaeth YR
AMGYLCHEDD

Rhan A

At: DWR CYMRU CYFYNGEDIG
PENTWYN ROAD
NELSON
TREHARRIS
CF46 6LY

DS: I gorff corfforedig mae teitl y swydd yn bwynt cysylltu.
Dyddiad Cychwyn Daliwr: 11/09/01

Mae Asiantaeth yr Amgylchedd ("yr Asiantaeth") yn cadarnhau drwy hyn mai/bod y sawl a enwyd uchod yw/yn ddaliwr cofrestredig uy caniatâd

BG0040001

Cyhoeddwyd Caniatâd: 11/09/2001

Natur y gollwng:

yn STEC Treated sewage Effluent - Continuous
SN6989028140 LLANGADOG STW

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: BG0040001

Enw:
Cyfeiriad: DWR CYMRU CYFYNGEDIG

Cyhoeddwyd Caniatâd: 11/09/2001

PENTWYN ROAD
NELSON
TREHARRIS
CF46 6LY

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:**



CONSENT NO.

BG0040001



ASiantaeth YR
AMGYLCHEDD CYMRU
ENVIRONMENT
AGENCY WALES

WATER RESOURCES ACT 1991

SECTION 88 - SCHEDULE 10

(AS AMENDED BY THE ENVIRONMENT ACT 1995)

NOTICE OF MODIFICATION OF CONSENT TO DISCHARGE

TO: The Environment Quality Scientist
Dwr Cymru Cyf
Pentwyn Road
Nelson
Treharris
CF46 6LY

Following a review of the conditions of its consent, the **ENVIRONMENT AGENCY** ("The Agency") in pursuance of its powers under the Water Resources Act 1991 **HEREBY MODIFIES ITS CONSENT** to the making of a discharge **OF SEWAGE EFFLUENT**, as follows:

SECONDARY TREATED SEWAGE EFFLUENT

With respect to Consent No. **BG0040001** dated the 9th day of August 1988

FROM: LLANGADOG SEWAGE TREATMENT WORKS

AT: LLANGADOG

TO: RIVER SAWDDE

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

SECONDARY TREATED SEWAGE EFFLUENT **Schedule No. BG0040001 01**

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, which alters the effect of modifications made by this notice, without the agreement in writing of the consent holder, during a period of 4 years from the date this notice is served.

Dated this 11th day of September 2001

Signed
Water Quality Consents Team Leader



CONSENT NO.	BG0040001
SCHEDULE NO.	BG0040001 01
DATED	11 th September 2001



ASiantaeth Yr
AMGYLCHEDD CYMRU
ENVIRONMENT
AGENCY WALES

CONDITIONS OF CONSENT TO DISCHARGE

SECONDARY TREATED SEWAGE EFFLUENT ("the Discharge")

FROM: LLANGADOG SEWAGE TREATMENT WORKS

WORKS OPERATION

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 Conditions 8 and 9 inclusive than is required by those conditions;
 - (b) any alteration of the works or a change in the type of treatment used.

NATURE

2. The Discharge shall consist solely of secondary treated sewage effluent.

LOCATION

3. The Discharge shall be made in the manner and at the place specified as:
 - (a) discharging via a pipe;
 - (b) discharging to the River Sawdde;
 - (c) at National Grid Reference SN 6989 2814;
 - (d) shown marked 'Discharge Point' on Plan **BG0040001** attached as Annex 3.

SAMPLE POINT

4. An appropriately labelled sample point shall be provided and maintained at National Grid Reference SN 7004 2802, as shown marked 'Final Effluent Sampling Point' on Annex 3 Plan **BG0040001**, 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.



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VOLUME

- 5.1 The volume of the Discharge shall not exceed 691 cubic metres per day.
- 5.2 The Dry Weather Flow of the Discharge shall not exceed 229 cubic metres per day.

For the purpose of this condition Dry Weather Flow shall mean the average daily flow to the treatment works during seven consecutive days without rain (excluding a period which includes public holidays) following seven days during which the rainfall did not exceed 0.25 millimetres on any one day.

6. The rate of discharge shall not exceed 8 litres per second.
7. (a) A continuous flow recorder, to a specification provided by the Agency, with on-site visual display from which readings can be readily obtained, shall be provided and operated to record the daily volume and instantaneous flow of the Discharge.
- (b) As soon as practicable after completion of the flow recorder installation the Consent Holder shall employ an independent expert to certify that the installation complies with the Agency's specification. The Consent Holder shall satisfy himself as to the professional competence of the expert. A copy of the certifier's report shall be provided to the Agency when it is available.
- (c) Records of the flow readings shall be maintained by the Consent Holder and shall be provided to the Agency when requested, in a format specified by the Agency.
- (d) The Consent Holder shall produce and maintain a quality control manual, to the satisfaction of the Agency, specifying procedures for the calibration, operation and maintenance of the flow recorder. The flow recorder shall be calibrated, operated and maintained by the Consent Holder in accordance with the provisions of the manual. The Consent Holder shall keep a record of these procedures available for inspection by the Agency and provide a copy to the Agency on request.
- (e) The Consent Holder shall record all failures of the continuous flow recorder and any other breaks in the flow record. The reasons for these failures and breaks shall be recorded and all steps taken to prevent a re-occurrence. The Consent Holder shall ensure that as far as possible the recorder remains fully operational at all times. Any failures shall be remedied as soon as possible.
- (f) Flows of the discharge shall be measured at National Grid Reference SN 7004 2802, or such other points as agreed by the Agency.



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COMPOSITION

8. (a) Subject to paragraph (b) below, the Discharge shall not contain more than:
- (i) 20 milligrammes per litre of biochemical oxygen demand (measured after 5 days at 20°C with nitrification suppressed by the addition of allyl-thiourea);
 - (ii) 10 milligrammes per litre of ammoniacal nitrogen (expressed as N);
 - (iii) 30 milligrammes per litre of suspended solids (measured after drying at 105°C).
- (b) The limit for any of the relevant parameters set out in paragraph (a) above may be exceeded where, in any series of samples of the Discharge taken at regular but randomised intervals in any period of twelve consecutive months as listed in Column 1 of the table at Annex 1 to this consent, no more than the relevant number of samples, as listed in Column 2 of the said table, exceed the applicable limit for that relevant parameter.
9. The Discharge shall not contain more than:
- (i) 56 milligrammes per litre of biochemical oxygen demand (measured after 5 days at 20°C with nitrification suppressed by the addition of allyl-thiourea);
 - (ii) 37 milligrammes per litre of ammoniacal nitrogen (expressed as N).
 - (iii) 64 milligrammes per litre of suspended solids (measured after drying at 105°C).

UNUSUAL WEATHER CONDITIONS

10. (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 the conditions contained in Conditions 8 and 9 of this variation of consent have been complied with.



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- (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 best endeavours to mitigate that adverse affect.
- (d) For a sample of the Discharge to be considered for the purposes of (a) above, the Consent Holder shall notify the Agency by telefax 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 work

MAINTENANCE

- 11. The works 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.



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RECORDING AND REPORTING

12. (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.
13. The Consent Holder shall notify the Agency in writing if any known introduction or material change, in respect of discharges from trade premises to the sewerage system, occurs that may increase or introduce into the effluent any "dangerous substance" included on Lists I, II or Red List (set out in Annex 2 to this notice as updated by the Agency from time to time, and notified to the Consent Holder in writing), or any other substance considered by the Consent Holder as having or likely to have a significant effect on the receiving waters.

SUBSTANTIAL CHANGE

14. A discharge shall not be made from the works if it would cause a significant increase in the polluting effects of the discharge on controlled waters as a result of a new or altered discharge of trade effluent into the works.
- 14.1 A discharge of trade effluent into the works is new if:
 - (a) it is made by the sewerage undertaker and is of a kind not made into the works by the undertaker immediately before the date of effect of the consent; or
 - (b) it is made by a third party and the discharge is authorised on or after that date.
- 14.2 A discharge of trade effluent into the works is altered if –
 - (a) it is made by the sewerage undertaker and its composition or quantity changes significantly on or after the date of effect of the consent; or
 - (b) it is made by a third party and the alteration of the discharge is authorised on or after that date.



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14.3 An increase in the polluting effects of the Discharge on controlled waters is not significant for the purposes of this condition if it relates to any characteristic of the Discharge which is specifically regulated by Conditions 8 and 9 of this variation of consent but it may be significant if it is caused by a change in some other characteristic of the Discharge.

14.4 For the purposes of this condition "trade effluent" means -

- (a) any discharge by the sewerage undertaker other than
 - (i) domestic sewage from premises connected directly or indirectly to the works; or
 - (ii) surface water run-off;
- (b) any discharge by a third party which is authorised under Chapter III of Part IV of the Water Industry Act 1991 or which is only accepted as a result of a contract with the sewerage undertaker.

UNAUTHORISED DISCHARGES

15. A discharge made from the works shall not contain any poisonous, noxious or polluting matter or solid waste matter that is attributable to any unauthorised discharge into the works.

- (a) 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.
- (b) 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.



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SCHEDULE NO.	BG0040001 01



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ANNEX 1

TABLE

Column 1

**Number of samples
taken in any period
of 12 months**

4-7
8-16
17-28
29-40
41-53
54-67
68-81
82-95
96-110
111-125
126-140
141-155
156-171
172-187
188-203
204-219
220-235
236-251
252-268
269-284
285-300
301-317
318-334
335-350
351-365

Column 2

**Maximum number of samples
permitted to exceed limit
for given determinand**

1
2
3
4
5
6
7
8
9
10
11
12
13
14
15
16
17
18
19
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23
24
25



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ASiantaeth Yr
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ENVIRONMENT
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ANNEX 2

- | | |
|--|------------------------------|
| 1. Mercury and its compounds | 2. Cadmium and its compounds |
| 3. Hexachlorocyclohexane
(lindane and related compounds) | 4. Carbon tetrachloride |
| 5. DDT (the isomers of 1,1,1-trichloro-2,2 bis{p-chlorophenyl} ethane) | |
| 6. Pentachlorophenol (PCP) | 7. Aldrin |
| 8. Dieldrin | 9. Endrin |
| 10. Isodrin | 11. Hexachlorobenzene (HCB) |
| 12. Hexachlorobutadiene (HCBd) | 13. Chloroform |
| 14. Polychlorinated biphenyls | 15. Dichlorvos |
| 16. 1,2-Dichloroethane | 17. Trichlorobenzene |
| 18. Atrazine | 19. Simazine |
| 20. Tributyltin compounds | 21. Triphenyltin compounds |
| 22. Trifluralin | 23. Fenitrothion |
| 24. Azinphos-methyl | 25. Malathion |
| 26. Endosulfan | 27. Lead |
| 28. Chromium | 29. Zinc |
| 30. Copper | 31. Nickel |
| 32. Arsenic | 33. *Iron |
| 34. *pH outside range 5.5 to 9.0 | 35. *Boron |
| 36. Vanadium | 37. PCSD'S |
| 38. Cyfluthrin | 39. Sulcofuron |
| 40. Flucifuron | 41. Permethrin |
| 42. 4-Chloro-3-methyl-phenol | 43. 2-Chlorophenol |
| 44. 2,4-Dichlorophenol | 45. 2,4-D (ester) |
| 46. 2,4-D (non ester) | 47. 1,1,1-Trichloroethane |
| 48. 1,1,2-Trichloroethane | 49. Bentazone |
| 50. Benzene | 51. Biphenyl |
| 52. Chloronitrotoluenes | 53. Demeton |
| 54. Dimethoate | 55. Linuron |
| 56. MCPA | 57. Mecoprop |
| 58. Mevinphos | 59. Napthalene |
| 60. Omethoate | 61. Toluene |
| 62. Triazophos | 63. Xylene |
| 64. Cyanide | 65. Azinphos-ethyl |
| 66. Fenthion | 67. Parathion |
| 68. Parathion-methyl | 69. Trichloroethylene |
| 70. Tetrachloroethylene | 71. Dioxins |
| 72. PAHs | 73. Nonyl phenol |
| 74. Nonyl phenyl ethoxylate | 75. Di-ethylhexyl phthalate |
| 76. Bisphenol-A | 77. Diazinon |
| 78. Chlorfenvinphos | 79. Chlorotoluron |
| 80. Isoproturon | 81. Diuron |
| 82. Propetamphos | 83. Flumethrin |
| 84. Amitraz | 85. High-Cis Cypermethrin |
| 86. Cyromazine | 87. Deltamethrin |
| 88. Cypermethrin | |

This list is applicable as at 1 December 1998 and will be updated as and when changes to the relevant legislative requirements occur.

*Notification to the Agency by the Consent holder is only required in respect of changes to trade effluents likely to cause significant changes to the pH value, and/or iron or boron concentrations, of the crude sewage.





ASiantaeth yr
AMGYLCHEDD CYMRU
ENVIRONMENT
AGENCY WALES

Eich cyf/Your ref.

Ein cyf/Our ref. 2/CS/BG0040001/HJH

Dyddiad/Date: 14th September 2001

The Environment Quality Scientist,
Dwy Cymru Cyf,
Pentwyn Road,
Nelson,
Treharris.
CF46 6LY

Dear Sir/Madam,

**RE: WATER RESOURCES ACT 1991, SCHEDULE 10 (AS AMENDED BY THE ENVIRONMENT ACT 1995) MODIFICATION OF CONSENT TO DISCHARGE SECONDARY TREATED SEWAGE EFFLUENT FROM LLANGADOG SEWAGE TREATMENT WORKS, LLANGADOG BY DWR CYMRU CYF.
APPLICATION NO: BG0040001**

Further to our recent correspondence concerning the consent to discharge secondary treated sewage effluent from Llangadog sewage treatment works, Llangadog. I enclose the Agency's formal notice of the modifications made to the conditions of the consent.

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. A change in conditions may therefore result in a change in annual charge, you may therefore receive a revised bill in due course.

If you are not satisfied with the new conditions of the consent you may appeal against the decision to the National Assembly for Wales at Cathays Park, Cardiff CF10 3NQ.

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 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.

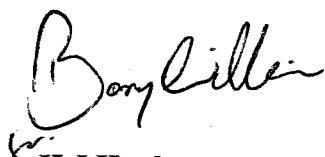
Asiantaeth yr Amgylchedd Cymru
Plas yr Afon, Parc Busnes Llancirwg, Llancirwg, Caerdydd CF3 0LT
Cyfeiriad DX 121375, Ffon 01222 770088, Ffacs 01222 798555, GTN 7-26 X 1000

Environment Agency Wales
Rivers House, St Mellons Business Park, St Mellons, Cardiff CF3 0LT
DX Address 121375, Tel 01222 770088, Fax 01222 798555, GTN 7-26 X 1000



If you have any queries regarding the enforcement of this consent, please do not hesitate to contact Pete Jordan, Team Leader Environment Protection, Environment Agency Wales, Plas Gwendraeth, Heol Y Parc Mawr, Crosshands Business Park, Carmarthenshire, SA14 6RE.

Yours sincerely,

A handwritten signature in black ink, appearing to read 'H J Hughes'.

H J Hughes

Team Leader Customer Contact & Authorisations

Please ask for Barry Williams Ext. 3027

Enc.