ASIANTAETH YR AMGYLCHEDD CYMRU
ENVIRONMENT AGENCY WALES

CONSENT NO.	CM0230601

WATER RESOURCES ACT 1991

SECTION 88 - SCHEDULE 10

(AS AMENDED BY THE ENVIRONMENT ACT 1995)

NOTICE OF MODIFICATION OF CONSENT TO DISCHARGE

TO: Environmental Quality Scientist
Dwr Cymru Cyf
Pentwyn Road
Treharris
Mid Glamorgan, CF46 6LY

WHEREAS the **ENVIRONMENT AGENCY** in pursuance of its powers under Schedule 10 to the Water Resources Act 1991 granted on October 11, 1991 CM0230601 permitting the discharge of Storm Sewage

FROM: CHIRK BANK PS

AT: SJ 29440 37370

TO: Unnamed Watercourse

NOTICE IS HEREBY given by the **ENVIRONMENT AGENCY** that, following the publication of the PR04 agreed programme for sewerage undertakers in England and Wales, and in pursuance of its powers under the paragraph 7(2) of Schedule 10 to the Water Resources Act 1991, the said Consent is **MODIFIED** as follows:

A. Substitution of conditions 4 and 5 attached to CM0230601 by the following new conditions:

4 Volume:

1.0 The Discharge shall only occur when the incoming flow to the combined sewer overflow exceeds the overflow setting due to rainfall and/or snow melt.

2.0 The overflow setting shall at all times be no less than the greatest of the following:
(a) That overflow setting calculated by Formula A or
(b) That overflow setting existing on the date of issue of this modification

3.0 The Consent Holder shall determine and notify the Agency of the overflow setting that existed on the date of issue of this consent by the effective date of this consent

4.0 At the request of the Agency the Consent Holder shall provide:

(a) The calculation of Formula A for this combined sewer overflow and
(b) Evidence to show the overflow settings on the date of issue and effective date of this consent

Environment Agency Wales
Chester Road, Buckley, Flintshire, CH7 3AJ
Tel: 08708 506 506 Fax: 01244 550144

Definitions:
Formula A is defined as:

(PG+I+E) + 1360P + 2E litres/day

Where:
P = population served
G = water consumption per head per day (litres/head/day)
I = infiltration (litres/day) E = Trade Effluent flow to sewer (litres/day).

Overflow setting is defined as:
The flow rate occurring in the outlet sewer from the combined sewer overflow when the discharge is occurring

5 Screening/Solids Separation:

For all flows up to a 1 in 5 year return period,

(a) The Discharge shall have passed, without prior comminution or maceration, through a screening device having apertures no greater than 6mm in two dimensions
(b) The screening device shall be maintained in an efficient operational condition
(c) All screenings must be removed and disposed of in a manner such as to prevent entry to the discharge.

Subject to the provisions of Paragraphs 7 and 8 of Schedule 10 to 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.

This modification is served on 15th day of March 2005
This modification takes effect on 31st day of March 2010

Signed .....[redacted]....
Iwan Williams
Regulatory Team Leader (Water Quality)

NOTE. All other conditions of this consent remain unaltered and in force. This notice of modification should be read in conjunction with CM0230601

CONSENT AMENDMENTS

CONSENT NO	SCHEDULE NO	DATE MODIFICATION ISSUED
CM0230601		15th day of March 2005
CONDITIONS : UNCHANGED		
1, 2, 3, 6, 7		
CONDITIONS: MODIFIED		DATE ON WHICH NEW OR REVISED CONDITIONS COME INTO FORCE
4, 5		31st day of March 2010

Environment Agency Wales
Chester Road, Buckley, Flintshire, CH7 3AJ
Tel: 08708 506 506 Fax: 01244 550144

Water Resources Act 1991

as amended by the Environment Act 1995

ASIANTAETH YR AMGYLCHEDD CYMRU
ENVIRONMENT AGENCY WALES

Consents to Discharge

Certificate of Holder

Part A

To : **DWR CYMRU CYFYNGEDIG**
PENTWYN ROAD
NELSON
TREHARRIS
MID GLAMORGAN CF46 6LY

NB: For a body corporate the job title is a point of contact.

Holder Start Date : **15 March 2005**

The Environment Agency ("the Agency") hereby confirm that the above named person (or organisation) is a / the registered Holder of the Consent : **CM0230601** *Consent Issued :* **15 March 2005**

Nature of Discharge(s) **SSOR Sewage effluent**

at **SJ2944037370 CHIRK BANK PS**

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 (Part B), 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 will 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, quoting the Consent Reference.

- *cut here* - - - - - - - - - - - - - - - - - - -

Part B *Please complete in block capitals or type*

To : **Water Resources Act 1991 : Notice of transfer of Consent to Discharge**

Consent Reference : **CM0230601**
Consent Issued : **15 March 2005**

Name : **DWR CYMRU CYFYNGEDIG**
Address : **PENTWYN ROAD**
NELSON
TREHARRIS
MID GLAMORGAN 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 the new Holder(s) :

Post Code :

Date of Transfer to new Holder(s) .....

Signed : ..... **Dated :**

Name (block capitals) : ..... **Postion (if appropriate) :** .....

(to be completed when signing on behalf of corporate bodies)

Deddf Adnoddau Dŵr 1991

fel y'i diwygiwyd gan Ddeddf yr Amgylchedd 1995

ASIANTAETH YR AMGYLCHEDD CYMRU
ENVIRONMENT AGENCY WALES

Caniatâd Gollwng

Tystysgrif Daliwr

Rhan A

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

DS: I gorfforaeth gorfforedig mae teitl y swydd yn bwynt cysylltu. ***Dyddiad Cychwyn y Daliwr :*** **15 Mawrth 2005**

Mae Asiantaeth yr Amgylchedd ("yr Asiantaeth") yn cadarnhau drwy hyn mai / bod y sawl (neu sefydliad) a enwyd uchod yw / yn ddaliwr cofrestredig y caniatâd : **CM0230601** ***Cyhoeddwyd y Caniatâd :*** **15 Mawrth 2005**

Natur y Gollyngiad(au) : **SSOR Carthffrwd**

yn **SJ2944037370 CHIRK BANK PS**

Noder : Dylid cadw'r dystysgrif hon gyda'r ddogfen ganiatâd i gyfeirio ati yn y dyfodol. Os byddwch yn trosglwyddo cyfrifoldeb am y gollyngiad i rywun arall, rhaid i chi drosglwyddo'r caniatâd iddo ef neu hi a dweud wrth yr Asiantaeth cyn pen 21 diwrnod. Ni all y Daliwr wadu cyfrifoldeb am y caniatâd, ond gall cofrestriad y Daliwr gael ei drosglwyddo i olynydd. I wneud hynny, byddwch gystal â llenwi'r ffurflen isod (Rhan B), yna'i dychwelyd i'r cyfeiriad a nodir. Os fethwch â throsglwyddo'r caniatâd, hyd yn oed os nad ydych ar y safle mwyach, gallwch gael eich erlyn am achosi llygredd. Os trosglwyddwch y caniatâd ond heb ddweud wrthym, yna byddwch yn cyflawni trosedd. Os bydd gennych unrhyw ymholiadau a fyddech gystal â chysylltu â'ch swyddfa Asiantaeth yr Amgylchedd lleol, gan ddyfynnu Cyfeirnod y Caniatâd.

- - - - - - - - - - - - - - - - - - torrwch yma - - - - - - - - - - - - - - - - - -

Rhan B ***Llenwch mewn priflythrennau bras neu deipio***

At : **Deddf Adnoddau Dŵr 1991 : Hysbysiad am drosglwyddo Caniatâd Gollwng**

Cyfeirnod y Caniatâd : **CM0230601**

Enw : **DWR CYMRU CYFYNGEDIG**

Cyhoeddwyd y Caniatâd : **15 Mawrth 2005**

Cyfeiriad : **PENTWYN ROAD**
NELSON
TREHARRIS
MID GLAMORGAN CF46 6LY

Yr wyf fi / Yr ydym ni* drwy hyn yn hysbysu'r Asiantaeth nad fi / ni mwyach yw* Daliwr / Deiliaid y caniatâd uchod a fydd yn cael / cafodd ei drosglwyddo i

**** dilëer fel yn briodol***

Enw(au) y Daliwr / Deiliaid newydd :

Côd Post :

Dyddiad Trosglwyddo i'r Daliwr / Deiliaid newydd :

Llofnodwyd : ..... **Dyddiedig :** .....

Enw (priflythrennau bras) : **Swydd (os yn briodol) :** .....

(i'w lenwi pan yn llofnodi ar ran corfforaethau corfforedig)

Your ref.: various
Our ref.: N/WQConsents/DSAnnex

Date: 14th March 2000

ASIANTAETH YR AMGYLCHEDD CYMRU
ENVIRONMENT AGENCY WALES

[redacted]
Dŵr Cymru cyf.
Plas Y Fynnon
Cambrian Way
Brecon
LD3 7HP

Dear Sir

DISCHARGE CONSENTS - NOTIFICATION OF CHANGE TO DANGEROUS SUBSTANCES ANNEX

According to our records, you have a Consent to discharge trade or sewage effluent. The Discharge Consent contains the following condition or one that is similar: -
"The discharger shall notify the Agency in writing if any known introduction or material change in respect of discharges from trade premises...occurs that may increase or introduce into the effluent any "dangerous substance" included on List I, List II, or Red List (set out in Annex ...to this notice as updated from time to time and notified to the discharger in writing)..."

Owing to Regulations issued by DETR, the Environment Agency has reviewed the listing of substances in the Annex to this condition.

The Surface Waters (Dangerous Substances) (Classification) Regulations (SI No 2560 (1997) and SI No 389 (1998)) have made some substances, which had previously been identified in Government circular 7/89, statutory and have added 20 new substances to this list. The Annex listing has also been revised to reflect the additional substances in the Regulations and to include other substances that have become a cause for concern since 1989 when the listing was first issued.

This letter and the attached revised listing serves as the required Notification, referred to in the Consent condition. The change takes immediate effect. Please replace the old list with the new one. Please contact your local Environment Agency office and write or speak to Alun Davies if you have any queries about this letter.

Thank you for your help in this important matter.

Yours faithfully

pp [redacted]
KEVIN THOMAS
WATER QUALITY MANAGER WALES

Asiantaeth yr Amgylchedd Cymru
Plas-yr-Afon, Parc Busnes Llaneirwg, Llaneirwg, Caerdydd, CF3 0EY
Ffon: 029 20770088 Ffacs: 029 20798555

Environment Agency Wales
Rivers House St Mellons Business Park, St Mellons Cardiff CF3 0EY

CONSENT NO.	CM02306CN
SCHEDULE NO.	

ANNEX

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.	Flucofuron	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.

Water Resources Act 1991
as amended by the Environment Act 1995
Consent to Discharge
Certificate of Holder

ENVIRONMENT AGENCY

Part A

To: DWR CYMRU CYFYNGEDIG
CONSENTS REGULATION OFFICER
PLAS-Y-FFYNNON
CAMBRIAN WAY
BRECON LD3 7HP

The **Environment Agency** ("the Agency") hereby confirm that the above named person is a/the registered holder of consent CM0230601

Nature of Discharge(s); SEWAGE EFF/STORM EFF/RAINFALL
at CHIRK BANK PS

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.

Part B **Please complete in block capitals or type.**

To:

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

Consent: **Name:**
Address:

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:**.....
(to be completed when signing on behalf of corporate body)

REGISTER

NRA

Awdurdod Afonydd Cenedlaethol
Rhanbarth Cymru

National Rivers Authority
Welsh Region

WATER ACT 1989	Consent No.	CM02306-01

Under Section 113 and Schedule 12 of the Water Act 1989 and all other enabling powers the National Rivers Authority hereby gives this

C O N S E N T Page 1 of 2

To : Dwr Cymru CYF (The Company)
Of : Plas-y-Ffynnon, Cambrian Way, Brecon, Powys, LD3 7HP
For : A discharge of Screened Storm Sewage
To : River Ceiriog at NGR SJ.2944 3737
From: Chirk Bank Sewage Pumping Station

CONDITIONS OF CONSENT

1. The discharge shall consist only of screened storm sewage.

2. The discharge shall be made in the manner and at the place specified as follows:

   Discharging via : A 300mm diameter outlet pipe
   Discharging to : River Ceiriog
   At OS Grid Ref : SJ 2944/3737
   As shown marked : Discharge Point on attached plan

3. Adequate facilities shall be provided to enable representative samples of the discharge to be conveniently obtained at any time at NGR SJ 2943/3735 as shown marked "X" on the attached plan.

4. No discharge shall occur unless the rate of flow passing forward in the sewer is at least 47.7 litres per second.

5. The effluent shall be passed through a bar screen the spacing of which does not exceed 10mm prior to discharge. All screening shall either be returned to the foul flow or collected and disposed of off site.

See next page for further conditions.

Aelod Rhanbarthol o'r Bwrdd
Yr Athro Ron Edwards

Rheolwr Rhanbarth Cyffredinol
Dr John Stoner

Highfield, Ffordd Priestley
Caernarfon
Gwynedd, LL55 1HR
Ffôn: Caernarfon (0286) 672247
Ffacs: (0286) 4451

Regional Board Member
Professor Ron Edwards

Regional General Manager
Dr John Stoner

Highfield, Priestley Road
Caernarfon
Gwynedd, LL55 1HR
Tel: Caernarfon (0286) 672247
Fax: (0286) 4451

NRA

Awdurdod Afonydd Cenedlaethol
Rhanbarth Cymru

National Rivers Authority
Welsh Region

WATER ACT 1989	Consent No.	CM02306-01

Under Section 113 and Schedule 12 of the Water Act 1989 and all other enabling powers the National Rivers Authority hereby gives this

C O N S E N T Page 2 of 2

6. The overflow shall be maintained in an efficient operational condition at all times.

7. The Authority shall be informed in writing and as soon as reasonably practicable of any information it receives by Dwr Cymru to the effect that there has been or is ~~likely~~ to be discharged into the sewer upstream the overflow a significant increase in the quantities of any substances listed in the attached Annex.

This Consent is given on: 11th October 1991 on behalf of the Authority by: [redacted] Divisional Scientist

During the period ending with the: 10th October 1993 the terms of this Consent will not be altered without the written agreement of the person making this discharge

Aelod Rhanbarthol o'r Bwrdd
Yr Athro Ron Edwards

Rheolwr Rhanbarth Cyffredinol
Dr John Stoner

Highfield, Ffordd Priestley
Caernarfon
Gwynedd, LL55 1HR
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Gwynedd, LL55 1HR
Tel: Caernarfon (0286) 672247
Fax: (0286) 4451

CMO2306-01

ANNEX 2

SUBSTANCE	
Mercury	Fenthion
Cadmium	Parathion
g-Hexachlorocyclohexane	Parathion-methyl
DDT	Tetrachloroethylene
Pentachlorophenol	Trichloroethane
Hexachlorobenzene	Dioxins
Hexachlorobutadiene	Isodrin
Aldrin	
Dieldrin	
Endrin	
Polychlorinated Biphenyls	
Dichlorvos	
1,2 Dichloroethane	
Trichlorobenzene	
Atrazine	
Simazine	
Tributyltin compounds	
Triphenyltin compounds	
Trifluralin	
Fenitrothion	
Azinphos-methyl	
Malathion	
Endosulphan	
Carbon tetrachloride	
Chloroform	
Trichloroethylene	
Perchloroethylene	
Lead	
Chromium	
Zinc	
Copper	
Nickel	
Arsenic	
Iron	
pH	
Boron	
Vanadium	
PCSDs	
Cyfluthrin	
Sulcofuron	
Flucofuron	
Permethrin	
Cyanide	
Azinphos-ethyl	

TO HOLYWELL

DEE BANK

PENTRE-BACH

BAGILLT

TO FLINT

Phase A area restored to agriculture

Springhill Cottage

Brynffynnon

4518

B

Neighbridge

Sampling point

Discharge point

Alternative access route

Alternative location for lagoon area

Intrecepter cut-off ditches

Tyndyn Tecar

Access route

Stream crossing point

High Street

Tyn Twll Farm

Process plant area and stockpiling

Protect edge of wood from damage

Intrecepter cut-off ditches to be excavated around the excavations

Existing hedge. Supplementary planting where necessary

Footpath

Proposed diversion

New fencing to exclude stock from woodland. Edge of field to be enclosed in wood to allow development of scrub

C

CUT 1

CUT 2

CUT 3

CUT 4

CUT 5

TS/SS 2

TS/SS 3

Nant Castle-Ealy

Sandy Lane

Ferndale

Marthorne

Intrecepter cut-off ditches to be excavated around the excavations

Existing open area to be replanted

Intrecepter cut-off ditches to be excavated around the excavations

KEY

- Site boundary
- Limit of excavation - surface
- Working cross sections
- Restoration contours at 2m intervals
- Replanted hedgerows
- Borehole
- Topsoil and subsoil dump
- Direction of working

376200N
376100N
376000N
375900N
375800N
375700N
375600N
375500N
375400N
375300N
375200N

320400E
320500E
320600E
320700E
320800E
320900E
321000E
321100E
321200E
321300E
321400E

J.A.MORGAN & SONS (BAGILLT) LTD.

SPRINGHILL QUARRY
PHASE B
WATER TREATMENT

scale 1:2000

date 04/06/90

drawing 81/16

CONSENT NO. C/02305-01