

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 CG0077501

Nature of Discharge(s); SEWAGE EFF/TREATED EFF/CONTINUOUS
at NEBO (CONWY) 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.

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:



775

66/3/5185

CG00775 01
WEP/24/D5
(8)

CONSENT VARIATION

RIVERS (CONTROL OF POLLUTION) ACTS 1951-1961

THE WATER AUTHORITIES (CONTROL OF DISCHARGES) ORDER 1978

I am directed by the Secretary of State for Wales to refer to the discharge consent in respect of the NEBD..(LONWY).. sewage treatment works dated 19... NOVEMBER 1981.

The Secretary of State for Wales, having consulted with the Welsh Water Authority, hereby gives notice that in exercise of his powers under Articles 4(8) and 8 of the Water Authorities (Control of Discharges) Order 1978 (SI 1978 No 1210), the conditions imposed on the said consent shall be varied in the following terms:

CONDITIONS

The quality and quantity of effluent shall not exceed the following maximum values:

Biochemical Oxygen Demand (+ ATU) over 5 days at 20°C;80..... milligrammes per litre.

Suspended Solids dried at 105°C;220..... milligrams per litre.

Ammoniacal ammonia expressed as nitrogenmilligrams per litre..

Dry Weather Flow litres per second or ...3.5.... metres cubed per day.

This variation takes effect from the 30.. January 1985.

This notice should be retained with the consent dated 19... NOVEMBER 1981.

George Roberts
WEP Division
Welsh Office

Welsh Gff Ref

Form SS.RW2

WWA HQ Ref

RW/0454/1/1

Sheet 1
of 1

LOCAL GOVERNMENT ACT 1972 WATER ACT 1973
RIVERS (PREVENTION OF POLLUTION) ACTS 1951-1961
WATER AUTHORITIES (CONTROL OF DISCHARGES) ORDER 1978

NOTIFICATION OF VARIATION OF CONSENT
for a discharge of treated sewage effluent

To :

WELSH WATER AUTHORITY

This Notice is issued under the above-mentioned Acts and Order and all other enabling powers as a NOTICE DEEMED TO HAVE BEEN GIVEN BY THE SECRETARY OF STATE FOR WALES, in respect of the existing discharge of treated sewage effluent from the Authority's :

NEBO (CONWAY) SEWAGE TREATMENT WORKS

via an existing outlet and subject hitherto to a previous consent as specified below.

THE EXISTING OUTLET is to : tributary of the Afon Iwrch

at National Grid Reference : SH 8352 5601

and has been shown marked : Discharge Point

on the attached Plan, No. : RW/0454/1/1

THE PREVIOUS CONSENT was : the Consent

Reference No. -

granted on : 2nd March 1970

by : Gwynedd River Authority

to : Hiraethog Rural District Council

The Authority submitted this Notification of Variation on : 19th August 1981 to the Secretary of State for Wales in the form of a draft and the Secretary of State has NOT, within the relevant period, given notice of his intention to determine this matter. This discharge is therefore (in substitution for all the conditions hitherto in force) subject only to the following conditions as from : 19th November 1981

CONDITIONS

1. The discharge shall consist only of treated sewage effluent from the above works.
2. The quality and quantity of effluent shall not exceed the following maximum values:

<u>Determinand</u>	<u>Value</u>	<u>Unit</u>
Biochemical Oxygen Demand (+ATU) over 5 days at 20°C	55	milligrams per litre
Suspended Solids dried at 105°C	120	milligrams per litre

Rate of discharge	0.13	litres per second
Volume during any period of 24 consecutive hours	10.5	cubic metres
Volume discharged under 'dry weather conditions' during any period of 24 consecutive hours	3.5	cubic metres

3. Adequate facilities shall be provided for the taking of samples of the effluent at: outlet to tributary of the Afon Iwrch

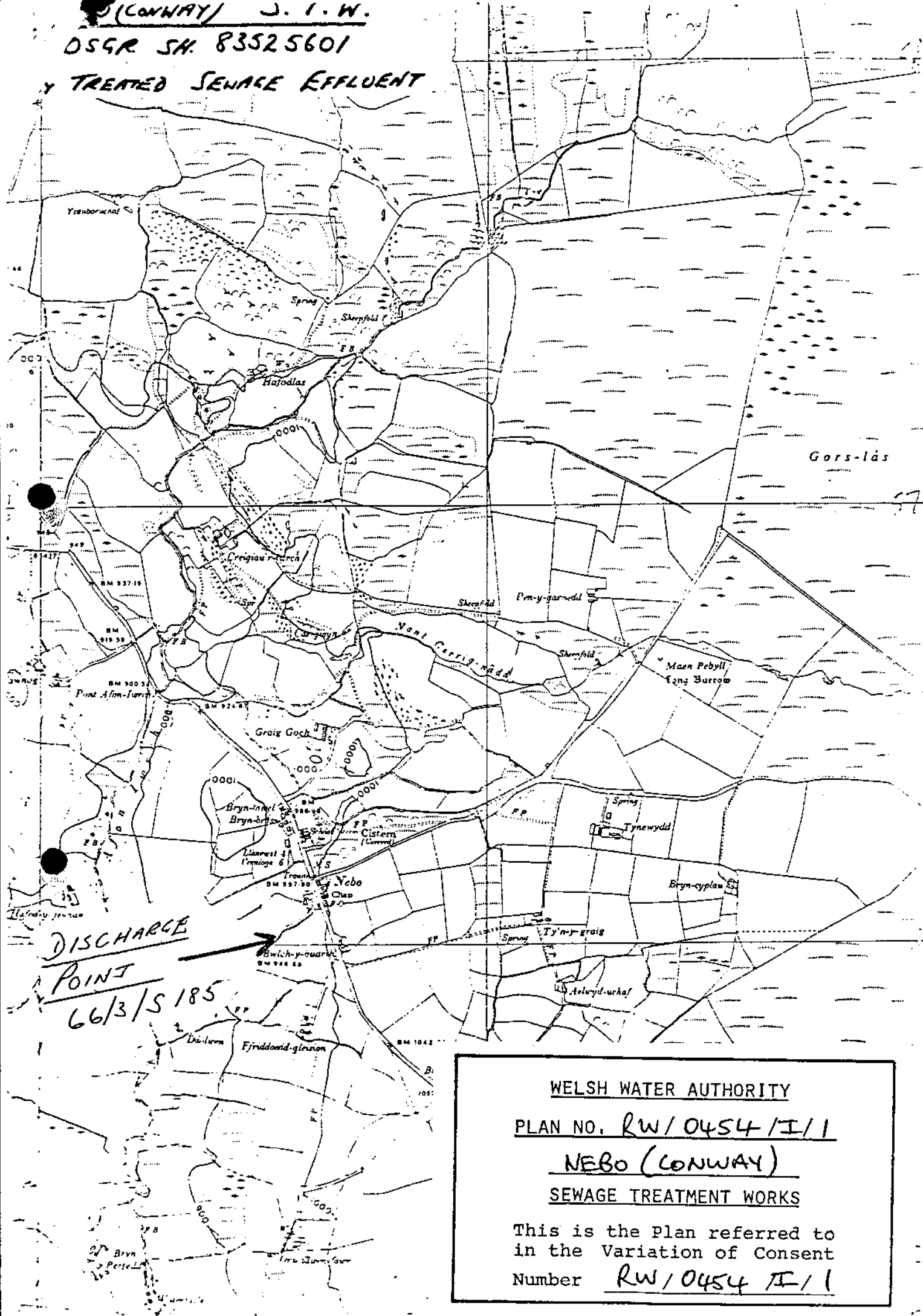
The terms of this Notice will not, without the consent in writing of the person to whom this Notice is given, (or his successor), be altered before the expiration of the period ending with the Nineteenth day of November 1983 .

This Notification is issued by the Directorate of Scientific Services, Headquarters, Welsh Water Authority, Cambrian Way, Brecon. Powys.

(CONWAY) J. I. W.

OSGR SH. 83525601

Y TREATED SEWAGE EFFLUENT



DISCHARGE

POINT

66/3/S185

WELSH WATER AUTHORITY

PLAN NO. RW/0454/I/1

NEBO (CONWAY)

SEWAGE TREATMENT WORKS

This is the Plan referred to
in the Variation of Consent

Number RW/0454 II/1

CONSENT VARIATION

RIVERS (CONTROL OF POLLUTION) ACTS 1951-1961

CE00775-01

THE WATER AUTHORITIES (CONTROL OF DISCHARGES) ORDER 1978

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CONDITIONS

The quality and quantity of effluent shall not exceed the following maximum values:

Biochemical Oxygen Demand (+ ATU) over 5 days at 20°C; 80 milligrammes per litre.

Suspended Solids dried at 105°C; 220 milligrams per litre.

Ammoniacal ammonia expressed as nitrogen milligrams per litre..

Dry Weather Flow litres per second or ... 3.5 ... metres cubed per day.

This variation takes effect from the 30.. January 1985.

This notice should be retained with the consent dated 19... NOVEMBER 1981.

George Roberts
WEP Division
Welsh Office

66/3/5185

Welsh Off Ref

Form SS.RW2

WWA HQ Ref

RW/0454/1/1

Sheet
of

LOCAL GOVERNMENT ACT 1972 WATER ACT 1973
RIVERS (PREVENTION OF POLLUTION) ACTS 1951-1961
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Biochemical Oxygen Demand (+ATU) over 5 days at 20°C	55	milligrams per litre
Suspended Solids dried at 105°C	120	milligrams per litre

Rate of discharge	0.13	litres per second
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Volume during any period of 24 consecutive hours	10.5	cubic metres
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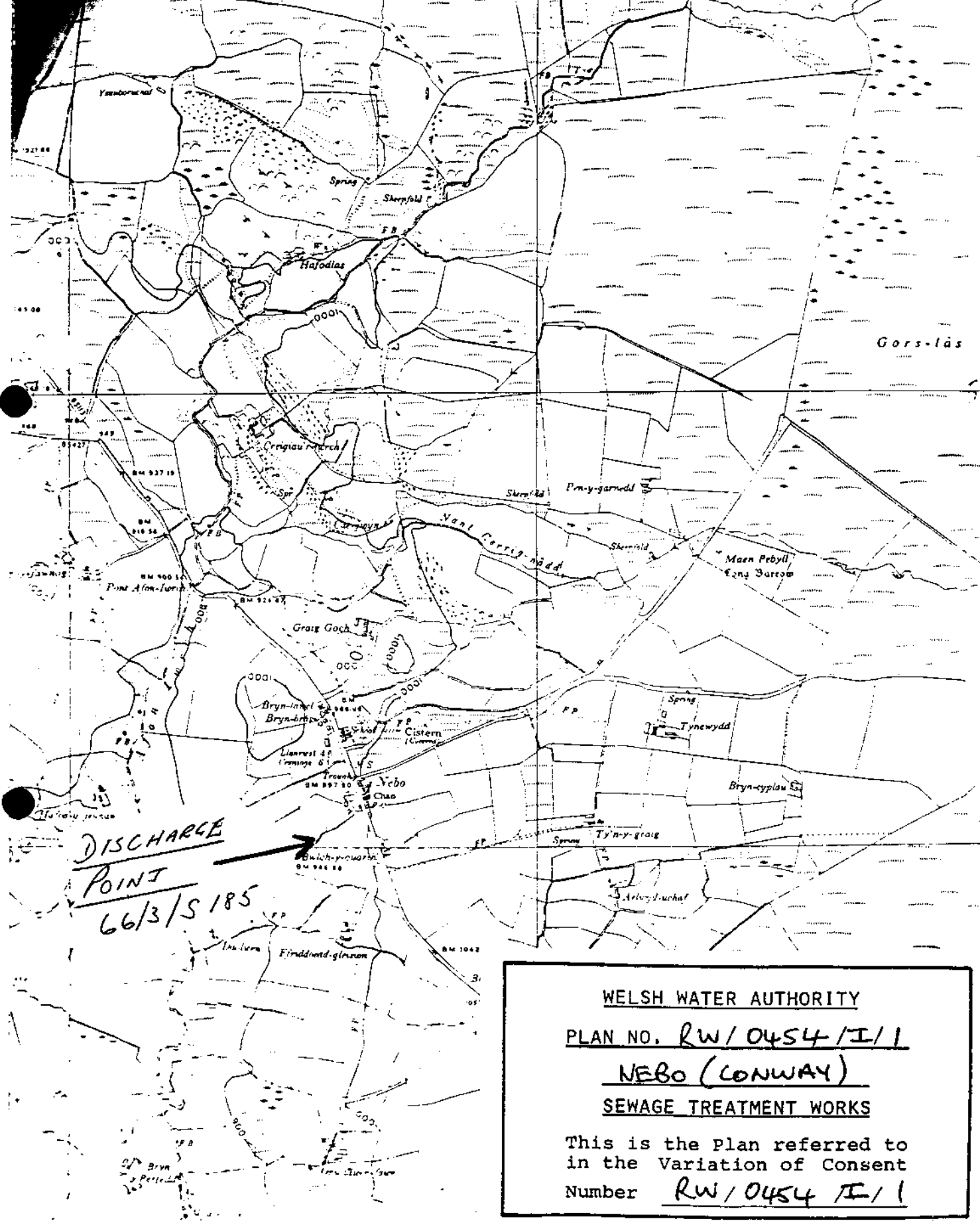
Volume discharged under 'dry weather conditions' during any period of 24 consecutive hours	3.5	cubic metres
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3. Adequate facilities shall be provided for the taking of samples of the effluent at outlet to tributary of the Afon Iwrch

The terms of this Notice will not, without the consent in writing of the person to whom this Notice is given, (or his successor), be altered before the expiration of the period ending with the Nineteenth day of November 1983

This Notification is issued to the Welsh Water Authority

CONWAY) S.T.W.
SH. 83525601
TREATED SEWAGE EFFLUENT



Notice

77

CG00775-01

G.203/10, EH/13/32 EH/RJ/DW

2nd March, 1970

Dear Sir,

Rivers (Prevention of Pollution) Acts 1951 to 1961
Treated Sewage Effluent - Rule
Sewage Disposal Works

The Gwynedd River Authority in pursuance of their powers under the above Acts hereby give notice that the consent granted by the former Gwynedd River Board on the 25th March, 1957 be hereby varied inasmuch as the following conditions be now imposed on the discharge of treated sewage effluent to a tributary of Afon Iwreh:-

- (1) The volume of fully treated sewage effluent discharged under dry weather flow conditions shall not exceed 775 gallons in any period of 24 hours.
- (2) The treated sewage effluent discharged shall at no time:-
 - (a) Contain more than 30 parts per million suspended solids (dried at 105°C).
 - (b) Take up more than 20 parts per million of dissolved oxygen in 5 days at 20°C.

The terms of this notice will not, without the consent in writing of the person to whom this Notice is given (or his successor) be altered before the expiration of the period ending with the 1st April, 1972.

Yours faithfully,



Clerk of the Authority

The Clerk,
Hirwaethog Rural District Council,
Council Offices,
Avenale,
LLANRWST,
Denbigh.

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 : 12 March 2003

The Environment Agency ("the Agency") hereby confirm that the above named person (or organisation) is a / the registered Holder of the Consent : CG0077501 Consent Issued : 12 March 2003

Nature of Discharge(s) STEC Sewage effluent

SH8349156144 NEBO SEWAGE TREATMENT WORKS NEBO

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 : CG0077501

Name : DWR CYMRU CYFYNGEDIG

Consent Issued : 12 March 2003

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) : _____

Position (if appropriate) : _____

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

Deddf Adnoddau Dwr 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 teidl y swydd yn bwynt cysylltu.

Dyddiad Cychwyn y Daliwr : 12 Mawrth 2003

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 : CG0077501 Cyhoeddwyd y Caniatâd : 12 Mawrth 2003

Natur y Gollyngiad(au) : STEC Carthffrwd

yn SH8349156144 NEBO SEWAGE TREATMENT WORKS NEBO

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 olynnydd. 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 fydddech 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 Dwr 1991 : Hysbysiad am drosglwyddo Caniatâd Gollwng**

Cyfeirnod y Caniatâd : CG0077501

Enw : DWR CYMRU CYFYNGEDIG

Cyhoeddwyd y 12 Mawrth 2003

Cyfeiriad : PENTWYN ROAD

Caniatâd :

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

* dilêr 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 llenwi pan yn llofnodi ar ran corfforaethau corfforedig)

Pr



ASiantaeth YR
AMGYLCHEDD CYMRU
ENVIRONMENT
AGENCY WALES

Eich cyf/Your ref.

Ein cyf/Our ref.

Enquiries

Dyddiad/Date:

DR/SH/CG0077501

Stella Hammond (Ext. 4502)

18th March 2003

COPY

Environment Quality Scientist
Dwr 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) APPLICATION FOR VARIATION OF CONSENT TO DISCHARGE NO. CG0077501

Further to your application for variation of consent of the Agency to discharge under the provisions of Section 88 of the Water Resources Act 1991, I enclose the Agency's formal notice of the variations made to the conditions of the consent to discharge sewage effluent from Nebo (Conwy) Sewage Treatment Works.

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. This 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 to ensure that the rights and charges associated with the Consent are transferred to the new 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
Ffordd Caer, Bwcle, Sir y Fflint CH7 3AJ
Ffon 01244 550124 Ffacs 01244 550144

Environment Agency Wales
Chester Road, Buckley, Flintshire CH7 3AJ
Tel 01244 550124 Fax 01244 550144





ASiantaeth yr
AMGYLCHEDD CYMRU
ENVIRONMENT
AGENCY WALES

If you have any queries regarding the enforcement of this consent, please do not hesitate to contact Emyr Jones Team Leader Environment Protection, Environment Agency Wales, Llwyn Brain, Penlan Road, Pafars Menai, Bangor, Gwynedd, LL57 4DE.

Yours sincerely,

P. Stella Hammond.

Kelvin Graham
Team Leader Customer Contact and Authorisations



CONSENT NO. CG0077501



ASiantaeth YR
AMGYLCHEDD CYMRU
ENVIRONMENT
AGENCY WALES

WATER RESOURCES ACT 1991

SECTION 88 - SCHEDULE 10

(AS AMENDED BY THE ENVIRONMENT ACT 1995)

VARIATION OF CONSENT TO DISCHARGE

TO: Environment Quality Scientist
Dŵr Cymru Cyfyngedig
Pentwyn Road,
Nelson,
Treharris. CF46 6LY

COPY

In pursuance of an application by the consent holder for variation of consent, the **ENVIRONMENT AGENCY** ("The Agency") in pursuance of its powers under the Water Resources Act 1991 **HEREBY VARIES ITS CONSENT** to the making of a discharge **OF SEWAGE EFFLUENT**, as follows:

Secondary Treated Sewage Effluent

with respect to Variation of Consent No. CG0077501 issued on the 30th day of January 1985

FROM: Nebo (Conwy) Sewage Treatment Works

AT: Nebo, Llanrwst, Conwy

TO: Tributary of Afon Iwrch

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

Secondary Treated Sewage Effluent

Schedule no CG0077501 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 variations made to this consent, without the agreement in writing of the consent holder, during a period of 4 years from the date this variation is issued.

This consent is issued and takes effect on the 12th day of March 2003

Signed *Emyr Jones*

Emyr Jones

Team Leader Environment Management

Asiantaeth yr Amgylchedd Cymru

Parc Menai, Ffordd Penlan, Bangor, Gwynedd, LL57 2EF

Ffon: 01248 670770 Ffacs: 01248 670561

Environment Agency Wales

Parc Menai, Penlan Road, Bangor, Gwynedd, LL57 2EF

Tel: 01248 670770 Fax: 01248 670561





CONSENT NO.	CG0077501
SCHEDULE NO.	CG0077501 01
DATE ISSUED	12th March 2003

CONDITIONS OF CONSENT TO DISCHARGE

Secondary treated sewage effluent ("the Discharge")

FROM: Nebo (Conwy) Sewage Treatment Works

NATURE

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

LOCATION

2. The Discharge shall be made in the manner and at the place specified as:
 - (a) discharging via a 100 millimetre diameter pipe.
 - (b) discharging to a tributary of the Afon Iwrch;
 - (c) at National Grid Reference SH 83491 56144;
 - (d) shown marked 'Discharge Point' on Plan CG0077501 attached as Annex 1.

SAMPLE POINT

3. An appropriately labelled sample point shall be provided and maintained at National Grid Reference SH 83491 56145, as shown marked 'Discharge Sample Point' on the attached Plan CG0077501, or some other point as agreed in writing with the Agency, so that a representative spot 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 being discharged into controlled waters.



CONSENT NO.	CG0077501
SCHEDULE NO.	CG0077501 01



ASiantaeth Yr
Amgylchedd Cymru
Environment
Agency Wales

VOLUME

4. The volume of the Discharge shall not exceed 120.3 cubic metres per day.
5. The Dry Weather Flow of the Discharge shall not exceed 19.6 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 1.4 litres per second.

FLOW MEASUREMENT

7. 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 instantaneous flow of the discharge to be recorded. 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.

WORKS OPERATION

8.
 - (a) 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.
 - (b) This condition does not require any alteration of the works or a change in the type of treatment used.



CONSENT NO.	CG0077501
SCHEDULE NO.	CG0077501 01



ASiantaeth Yr
AMGYLCHEDD CYMRU
ENVIRONMENT
AGENCY WALES

MAINTENANCE

9. 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.

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 condition 13 of this consent schedule has been complied with.
- (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 its 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 works.



CONSENT NO.	CG0077501
SCHEDULE NO.	CG0077501 01



ASiantaeth Yr
Amgylchedd Cymru
Environment
Agency Wales

RECORDING AND REPORTING

11. (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.

SUBSTANTIAL CHANGE

12. (a) 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.
- (b) A discharge of trade effluent into the works is new if -
 - (i) 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 this consent; or
 - (ii) it is made by a third party and the discharge is authorised on or after that date.
- (c) A discharge of trade effluent into the works is altered if -
 - (i) it is made by the sewerage undertaker and its composition or quantity changes significantly on or after the date of variation of this consent ; or
 - (ii) it is made by a third party and the alteration of the discharge is authorised on or after that date.
- (d) 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 characteristics of the discharge which are specifically regulated by **other conditions** of this consent schedule but it may be significant if it is caused by a change in some other characteristic of the discharge.



CONSENT NO.	CG0077501
SCHEDULE NO.	CG0077501 01



ASiantaeth Yr
Amgylchedd Cymru
ENVIRONMENT
AGENCY WALES

(e) For the purposes of this condition "trade effluent" means -

- (i) any discharge by the sewerage undertaker other than
 - (1) domestic sewage from premises connected directly or indirectly to the works; or
 - (2) surface water run-off;
- (ii) 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 CONDITION

- 13. (a) A discharge made from the works shall not contain any poisonous, noxious or polluting matter or solid waste matter which is attributable to any unauthorised discharge into the works.
- (b) 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.
- (c) 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.



CONSENT NO.	CG0077501
SCHEDULE NO.	CG0077501 01

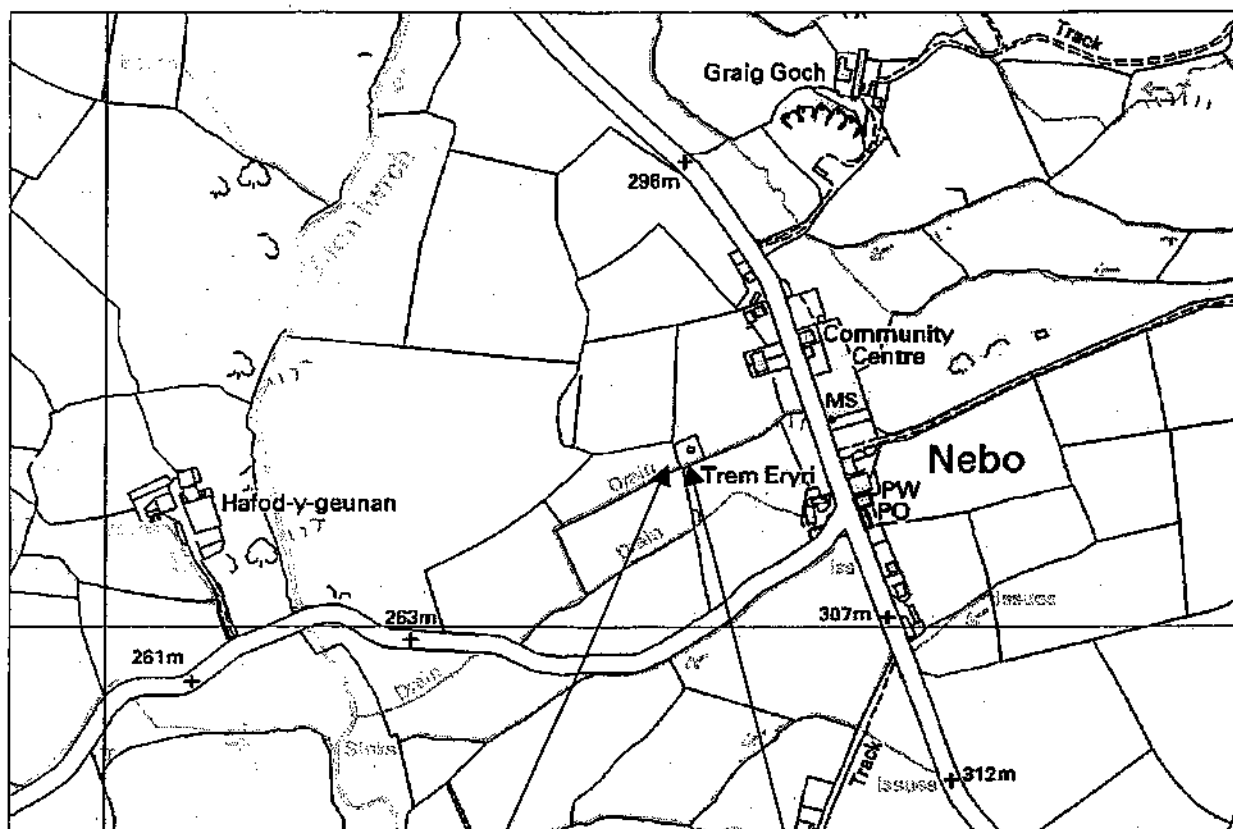


ASiantaeth YR
AMGYLCHEDD CYMRU
ENVIRONMENT
AGENCY WALES

ANNEX 1

PLAN CG0077501

NOT TO SCALE



Discharge Sample Point

Discharge Point



PA.



ASiantaeth Yr
Amgylchedd Cymru
Environment
Agency Wales

Ein cyf/Our ref: CG0077501

Date: 18th November 2002

FAO: A R Andrews
Dwr Cymru Cyf
Pentwyn Road
Nelson
Treharris
Mid Glamorgan
CF46 6LY

COPY

Dear Sir,

**WATER RESOURCES ACT 1991, SCHEDULE 10 (AS AMENDED BY THE ENVIRONMENT ACT 1995) APPLICATION FOR VARIATION OF A CONSENT TO DISCHARGE SEWAGE EFFLUENT BY DWR CYMRU CYF FROM NEBO (CONWY) STW, NEBO, LLANRWST, CONWY, LL26 0TD.
APPLICATION NO:CG0077501.**

Thank you for your application for consent to discharge together with your application fee of £688. It is receiving consideration and you will be hearing from us again shortly. Please state application CG0077501 in any correspondence with us relating to this application.

Yours faithfully

Pt. Stella Hammond.

Kelvin Graham
Team Leader Customer Contact and Authorisations

Please ask for Stella Hammond





ANNEXE 4
WELSH REGION SUPPLEMENTARY INFORMATION ANNEXE

Please complete this annexe for every proposed discharge.

Official Use Only
Application No.

For all proposed discharges:

1. Site Name.

2. Is this application being made to reinstate a lapsed Consent?

If so, please state the Number of the lapsed Consent:

IMPORTANT: If you are in need of advice on either part of Question 2, please contact the Agency Regional Consents Section on 01222 770088.

3. If the proposed discharge is to be made down a pipe, channel or culvert (as given in Section 2.3 of the main application form), please state the diameter (including units):

4. Please indicate the anticipated cost of the proposed scheme, including any alternatives which may have been considered:

The existing treatment process of primary sedimentation and biological filtration has been improved by the installation of a new Humus Settlement Tank. No feasible alternative options exist.

5. Is there any trade effluent component in the proposed discharge? No consented trade effluent

If yes, please confirm here that you have completed and enclosed Annexe 3:

6. Will the proposed discharge be pumped or made under gravity? (please circle) Pumped / Gravity

If pumped, please state the maximum pump rate in l/sec:

l/s

For proposed discharges of sewage in storm or emergency conditions:

7. Please confirm here that you have completed and enclosed both Annexes 1 and 2:
Only Annex 1 and Annex 4 are relevant to this application (No storm tank)

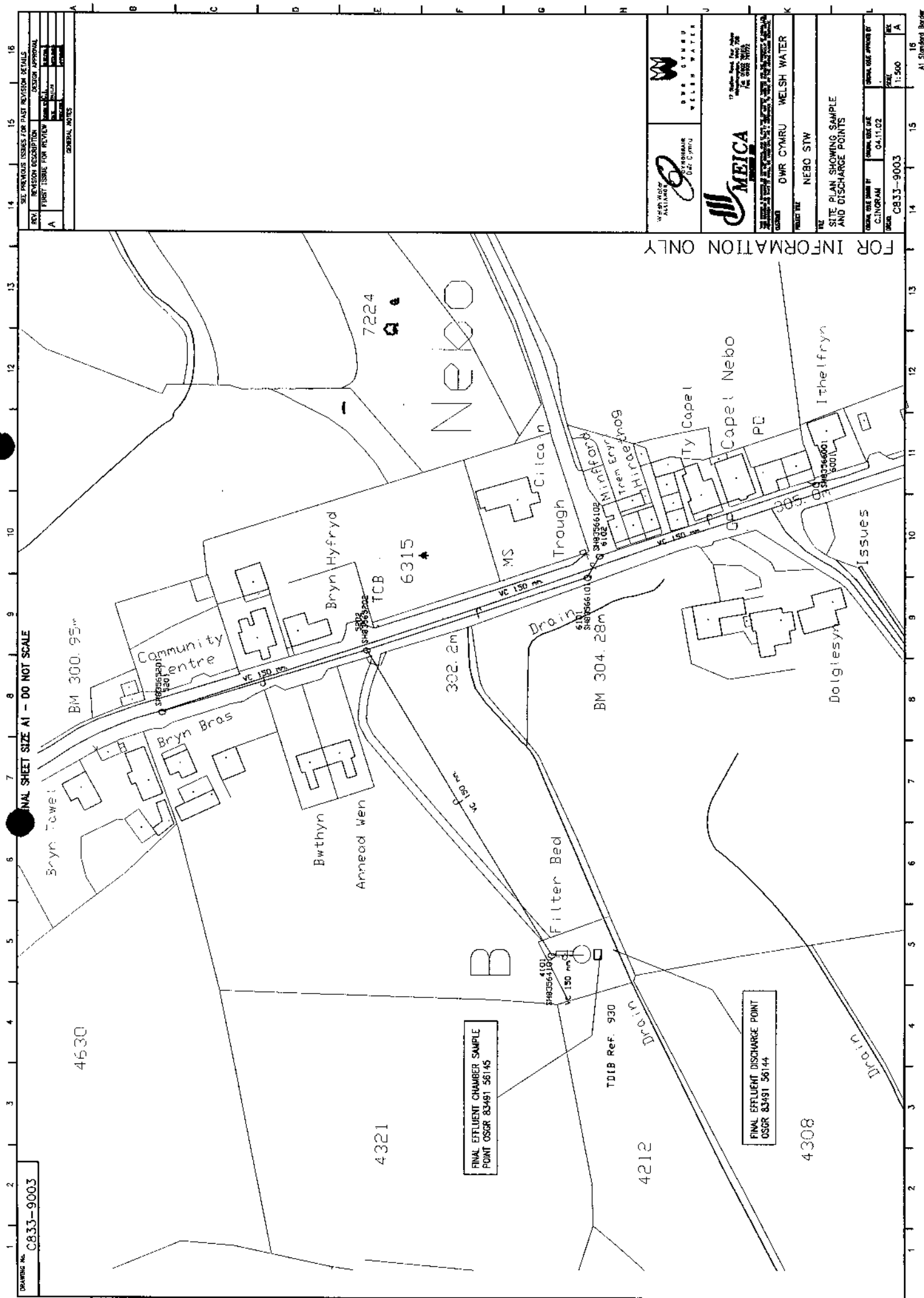
Tick

8. Please state:

Population served (head)	74
Consumption (l/head/day) default = 180	180
Infiltration (m ³ /day)	6.3
Industrial effluent flow (m ³ /day)	No consented trade discharges
Dry Weather Flow (m ³ /day)	19.6
Soc A (l/sec)	1.4
Predicted spill frequency (per annum)	Not known since catchment not modelled but less than current as process is now designed to treat flows up to Formula "A"

IMPORTANT NOTES FOR ALL CONSENT APPLICATIONS:

1. Whoever signs the declaration on the main application form takes responsibility for the discharge, and will become the registered consent holder, if consent is given. In the case of a 'body corporate' (eg a public limited company ('plc'), limited, company, local authority), the 'body corporate' will be the registered consent holder, and the person with the delegated authority to sign on behalf of the 'body corporate' should give their job title.
2. Agents making an application on behalf of a client, must attach their clients written authority.
3. If the name and/or address of the applicant changes after submission of this application to the Environment Agency, the applicant must inform the Agency in writing.



Dinas
Llanwnda
Caernarfon
Gwynedd LL54 5UD

Ms Sian Owens
Consents Regulation Manager
Environment Agency
Chester Road
Buckley
Flintshire
CH7 4AJ

Dyddiad/Date:
11 November 2002

Ymholiadau/Enquiries:
JP Edwards
Tel: 01244 661628

Em Cyf./Our Ref:
Nebo (Conwy) STW

Eich Cyf./Your Ref:
CG 0077581

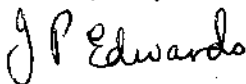
Dear Sian

Re: Nebo (Conwy) Sewage Treatment Works- consent variation Application

Please find attached 4 copies of consent application for Nebo (Conwy) Sewage Treatment Works. Included are the relevant drawings and support details for the scheme together with a brief synopsis of the scheme and the application cheque.

If any queries arise please contact me.

Yours sincerely



JP EDWARDS
Area Regulation Scientist

Cheque Number 003511

Name Mr D. BEVAN

Designation QUALITY CONTROL OFFICER

Welsh Water Authority,
Northern Divisional Headquarters,
Penrhosgarnedd, Bangor,
Gwynedd, LL57 2DJ
Tel. 0248 351144 Fax. 0248 355192



Name Mr S. BROWN

Designation D.P.C. MANAGER

At NRA, CAERNARFON

Date 29/5/90

Ref. _____

PENRHOS SMALL + NEBO CRAIG GOCH.

Please could we have your observations and comment re - our proposals for a descriptive consent at Penrhos Small SW (memo 19 May 90) as mentioned the soakaway test proved unsatisfactory.

We would also appreciate a quick response to indicate likely consent discharge limits for another works at Nebo Craig Goch (convey).

Popⁿ 74 PG = 11.8 m³/d E=0, I = 6.3 m³/d.

We would think a standard of 40/120 would be appropriate if you would not grant us a descriptive consent,

I know other matters are pressing but it would help to resolve these two small works if you would respond quickly.
Thanks.

c.c. N. HOUGHTON

Dave

Title:- NEBO GRAIG GOCH (CONWY)

Reference :- 3F515

Grid Reference :- SH 835560

	<u>Present</u>	<u>Future</u>
Population :-	70	74
Domestic Flow :-	9.5m ³ /d	11.8m ³ /d
Industrial Flow :-	NIL	NIL
Infiltration :- (MEDIUM)	6.3m ³ /d	6.3m ³ /d
Sewerage System :-	Combined	
Likely Discharge Consent :-	40 B.O.D.	120 S.S.

Storm Overflow Conditions :- All flow through works

Preferred Solution :- Soakaway properly engineered.
If land not suitable then Humus Tank will need to be provided.
Sampling Chamber to be provided on outfall.

Possible Constraints :- Extent of land available on site will probably be just sufficient.
If preliminary design work indicates that this will not be the case, refer land requirements to DCC a.s.a.p.

Costs & Phasing :- As design programme except Cost phasing revised.

1989/90	1990/91
£2,000	£53,000



ANNEXE 1
SEWAGE EFFLUENT GREATER THAN 5 CUBIC METRES PER DAY

Please complete this annexe if you are proposing to discharge more than 5 cubic metres per day of sewage effluent (if the effluent is to contain a trade component Annex 3 should also be completed).

Official Use Only
Application No.

1. Site Name.

Nebo (Conwy) Sewage Treatment Works
2. Please detail the type and number of treatment units you are proposing to use.

Treatment process consists of manually raked screen followed by Primary Sedimentation Tank, Biological Filter and new Humus Settlement Tank.
3. Volume, rates and overflow settings. (Please give volumes in cubic metres per day or litres per second as indicated below)
 - a) Maximum flow to full treatment.
(see note ii) in main guidance notes for population equivalents).

120.3 m³/d
 - b) Dry weather flow of discharge(s).

19.6 m³/d
 - c) Average daily flow.

25.5 m³/d
 - d) Maximum rate of discharge(s)

1.4 l/s
4. Will there be provisions for storm/emergency discharges?
Works is designed to treat Formula "A" flows
If yes, please complete Annex 2.

Y/N
5. a) Will any self monitoring take place?
If yes, please give details.

Y/N

Visual monitoring only of final effluent quality by United Utilities Operational Services

b) Will automatic sampling equipment be provided?

Y/N

If yes, please give details of type and location (please indicate on plan).

6. a) Please state the maximum population served by the treatment works.

The works is designed to treat flows from a future population of 74

- b) Please give reasons for any variations in population, eg holiday resort, training area, seasonal industry etc, and detail the periods/times involved.

Catchment area population is stable

- c) Please state type of catchment/site being served, eg residential, resort, industrial etc.

Residential with no consented trade effluent

7. Will a maintenance agreement be set up to manage the sewage works? (see note b)

Y/N

If yes, please give details.

Works will be subject to operational maintenance contract with United Utilities Operational Services

8. Does the effluent contain a trade component?

Y/N

If yes, please complete appropriate section on Annexe 3 for authorised discharges of trade effluent to the sewerage system.

Notes (see also the notes attached to the main form):

- a) *For significant sewage treatment plants full details of the plant design, dry weather flow and Biochemical Oxygen Demand load, along with information on all discharges from the works must be included in order for the application to be processed. Flow monitoring will normally be required for such discharges and details of siting and type of flow recorders should be provided.*
- b) *The Agency require a single body or company to be responsible for the discharge and any bills raised under the Charges for Discharges Scheme. Where multiple dwellings under different ownership are connected to the same system a management company should be set up.*



ASiantaeth YR
AMGYLCHEDD
ENVIRONMENT
AGENCY

WATER RESOURCES ACT 1991 (schedule 10)

(as amended by the Environment Act 1995)

Application for ~~new consent~~/variation to an existing consent* to discharge
(* delete as appropriate)

Regional/Area Address: Discharge Consent Applications Environment Agency Wales Chester Road Buckley Flintshire CH7 3AJ	Official Use Only <i>Dist/Area Ref:</i> Application No. CG0077501 Date Received: 15.11.02 Fee Received: £688 - 15.11.02
---	--

Each applicant must complete the main form and may need to complete a separate annexe if appropriate. Please look through the form and read the notes carefully before you complete it. Processing of your application will be aided by full and accurate completion of all relevant sections and provisions of the necessary plans. If you have any queries regarding the form please contact the person given in the notes.

NOTE:

All information contained within this application will be made available on the public register unless there is a request to withhold any of it. Any such request should provide a full justification stating why the information needs to be withheld (see note xiii).

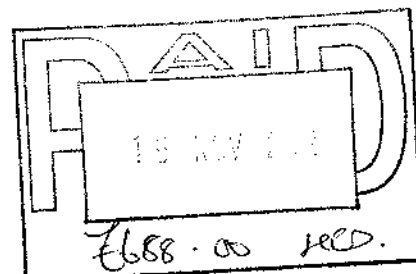
1 SITE ADDRESS

1.1 Address or other sufficient description of land or premises to which this application applies.

Nebo (Conwy) Sewage Treatment Works
Nebo
Llanrwst Conwy

Post Code:

LL26 0TD



2 DETAILS OF DISCHARGE(S)

2.1 State the nature of the discharge(s) (see note i and ii) - tick one or more boxes as appropriate:

Sewage Effluent - volume of 5 cubic metres per day or less ☐

Sewage Effluent - volume greater than 5 cubic metres per day (**complete annexe 1**) ☒

Sewage Effluent discharged under storm or emergency conditions (**complete annexe 2**) ☐

Cooling Water (**complete annexe 3**) ☐

Trade Effluent (including site drainage) (**complete annexe 3**) ☐

Others (please specify) ☐

2.2 Please state the maximum quantity it is proposed to discharge in any one day

120.3 m³/day

Briefly state how this figure was calculated (see note ii).

Works will provide primary and secondary treatment for Formula A flow of 120 m³/d for a future population of 74 with a per capita volume of 180 litres per head per day.

2.3 a) Indicate proposed means of discharge - tick as appropriate and show on plan:
(for 1, 2 & 3 please state dimensions below)

1. Pipe

☒

4. Borehole

☐

7. Sub-Irrigation System

☐

2. Channel

☐

5. Well

☐

8. Combination of 6 & 7

☐

3. Culvert

☐

6. Soakaway

☐

9. Other (please specify below)

☐

Pipe (100 mm diameter) is existing

b) National Grid Reference(s) of point(s) of discharge (see note iii).

S	H	8	3	4	9	1	5	6	1	4	4
---	---	---	---	---	---	---	---	---	---	---	---

(please indicate on accompanying plans)

2.4 a) The Agency will normally require adequate provision for the taking of samples of the discharge in a safe and convenient manner at any time. Please indicate the means proposed (see note iv) - tick as appropriate and show on plan:

At the outlet

☐

At a manhole or sampling chamber

☒

Other (please specify)

b) National Grid Reference(s) of sampling point(s) (if different from 2.3 b) above).

S	H	8	3	4	9	1	5	6	1	4	5
---	---	---	---	---	---	---	---	---	---	---	---

(please indicate on accompanying plans)

c) What flow measurement facilities will be provided (see note v)?
Please give details.

V notch weir provided at the open end of the 100 mm discharge pipe for flow measurement

2.5 a) Type of Treatment Plant(s) to be used (please specify make and model) - tick as appropriate:

Septic Tank

☐

Package Sewage Treatment Works

☐

Other

☒

The treatment process consists of manually raked screen, followed by Primary Sedimentation Tank, Biological Filter and new humus settlement tank

b) Will the treatment process involve the use of any chemicals (eg ferric salts, polyelectrolytes). If yes please give details.

☐ Y/☐ N

2.6 a) On what date do you anticipate the discharge will commence?

31/03/ 03

b) If you require the consent for a limited time period please give dates;

from:

/ /

to:

/ /

c) If the discharge is not continuous please detail the period/circumstances when it will occur. Not applicable

2.7 a) Are there any existing consents for discharges from the premises (see note vi)?

☐ Y/☒ N

If yes, please give the reference numbers (Any further information should be given in Section 5.3).

Final effluent is discharged under Variation to Consent CG00775 01 dated 30 January 1985

b) Has any person had a Prohibition Notice serviced on them in respect of this site?
If yes, please give the reference number.

☐ Y/☒ N

3 SITE DETAILS

3.1 Please give the name of the relevant Planning Authority.

Conwy Council Borough Council

3.2 Please give details of the premises - tick as appropriate:

1. Single Dwelling

☐

6. Fish Farm

☐

2. Multiple Dwellings

☐

7. Mineral Workings

☐

3. Industrial Premises

☐

8. Water Services plc STW

☒

4. Vehicle Parking Area

☐

9. Water Supply

☐

5. Commercial Premises (please specify)

☐

10. Other (please specify)

☐

3.3 Please indicate source of the water supply - tick as appropriate:

- | | | | |
|---|-------------------------------------|---|--------------------------|
| 1. Well | ☐ | 5. River (please give name below) | ☐ |
| 2. Borehole | ☐ | 6. Estuary (please give name below) | ☐ |
| 3. Precipitation (eg rain or snow) | ☐ | 7. Coastal Water (please give name below) | ☐ |
| 4. Mains (please state water supply company) | ☒ | <div style="border: 1px solid black; height: 40px; width: 100%;"></div> | |
| <div style="border: 1px solid black; padding: 2px;">Dwr Cymru Cyf</div> | | | |

4 DETAILS OF RECEIVING ENVIRONMENT

4.1 Receiving Medium - tick the category(s) to which the proposed discharge(s) is(are) to be made:

- | | | | |
|--|-------------------------------------|---------------------------------|--------------------------|
| 1. Estuarial Water (tidal river or stream) | ☐ | 5. Into Land | ☐ |
| 2. River or Stream (non-tidal) | ☒ | 6. Onto Land | ☐ |
| 3. Canal | ☐ | 7. Directly into Groundwater | ☐ |
| 4. Lake, Lock or Pond | ☐ | 8. Coastal Water (see note vii) | ☐ |

State name of receiving water if known:

Tributary of Afon Iwrch

4.2 In the case of sub-irrigation systems, soakaways or boreholes: Not Applicable

- (a) Is any part of the system within 5 metres of the boundary of the premises? ☐ Y/N
- (b) Is any part of the system within 10 metres of a watercourse? ☐ Y/N
- (c) Is any part of the system within 50 metres of a borehole or spring? ☐ Y/N
- (d) For wells and boreholes state dimension(s) in metres.

N/A m
- (e) For sub-irrigation systems, soakaway pits, wells and boreholes, state maximum depth in metres.

N/A m
- (f) For boreholes, state details of lining in metres:
- | | |
|------------------------------------|---|
| (i) Depth of lining | <div style="border: 1px solid black; padding: 2px;">N/A m</div> |
| (ii) Depth of perforated lining | <div style="border: 1px solid black; padding: 2px;">N/A m</div> |
| (iii) Depth of unperforated lining | <div style="border: 1px solid black; padding: 2px;">N/A m</div> |
- (g) A percolation test must be carried out in accordance with British Standard BS6297:1983.
Have the results been provided? ☐ Y/N

4.3 Is there a foul sewer available to which the discharge(s) could be made (see note viii)? ☐ Y/N

If yes, please give the reasons it is not practical to connect to it (eg distance, flow etc).

N/A

5 DETAILS OF APPLICANT AND OTHER INFORMATION

5.1 (See general notes and note ix)

(a) Full name and postal address of applicant. This should be the person who will become the consent holder should consent be issued.

*Dwr Cymru Cyf

*Pentwyn Road

*Nelson

*Treharris

*Mid Glamorgan

*

Post Code: CF46 6LY

Daytime Telephone Number:

Company Registration Number (if appropriate): 2366777

(b) Agent (if any) - Full name and postal address.

*

*

*

*

*

*

Post Code:

Contact Name and Daytime Telephone Number:

5.2

Please give full name and address to which bills should be sent if different to that given above:

*

*

*

*

*

*

Post Code:

Daytime Telephone Number:

5.3 Are there any other factors to be taken into account? Please continue on a separate sheet if necessary.

DECLARATION

I/We:

1. apply under the Water Resources Act 1991 (as amended by the Environment Act 1995) for consent to discharge, as described in this Application. "This Application" means this page, all the other pages of this form and any attached annexes, the attached plan(s), any other sheets attached, and any other written information supplied to support the application.
2. enclose the required application fee, payable to the Environmental Agency (see note x).
3. enclose 3 copies of the plan(s) and location maps with all relevant information clearly marked (see note xi).
4. will pay required advertising costs (see note xii).
5. confirm that I/we* will notify the Environment Agency of any changes in the information in this application which might be material to the continuation of the consent.
6. confirm that the information given in this application and any questions which the Environment Agency may have about it is/~~will be~~ true to the best of my/our* knowledge, information and belief and am/are* not aware of any other facts or information which might affect the granting of a consent, or conditions which might be put on it (see note xiii).
7. confirm that I/we* will pay any annual charges due should a consent be granted YES/NO*. If no please indicate who will be completing section 5.2 above (see note xiv).

(* Delete as appropriate)

SIGNED: A. L. Andrews..... PRINT NAME: ANDREWS.....
ON BEHALF OF:DWR CYMRU CYF..... DATED: 5-11-02.....

CONFIDENTIALITY

I/we apply for commercial confidentiality and enclose a full written justification (see note xv).

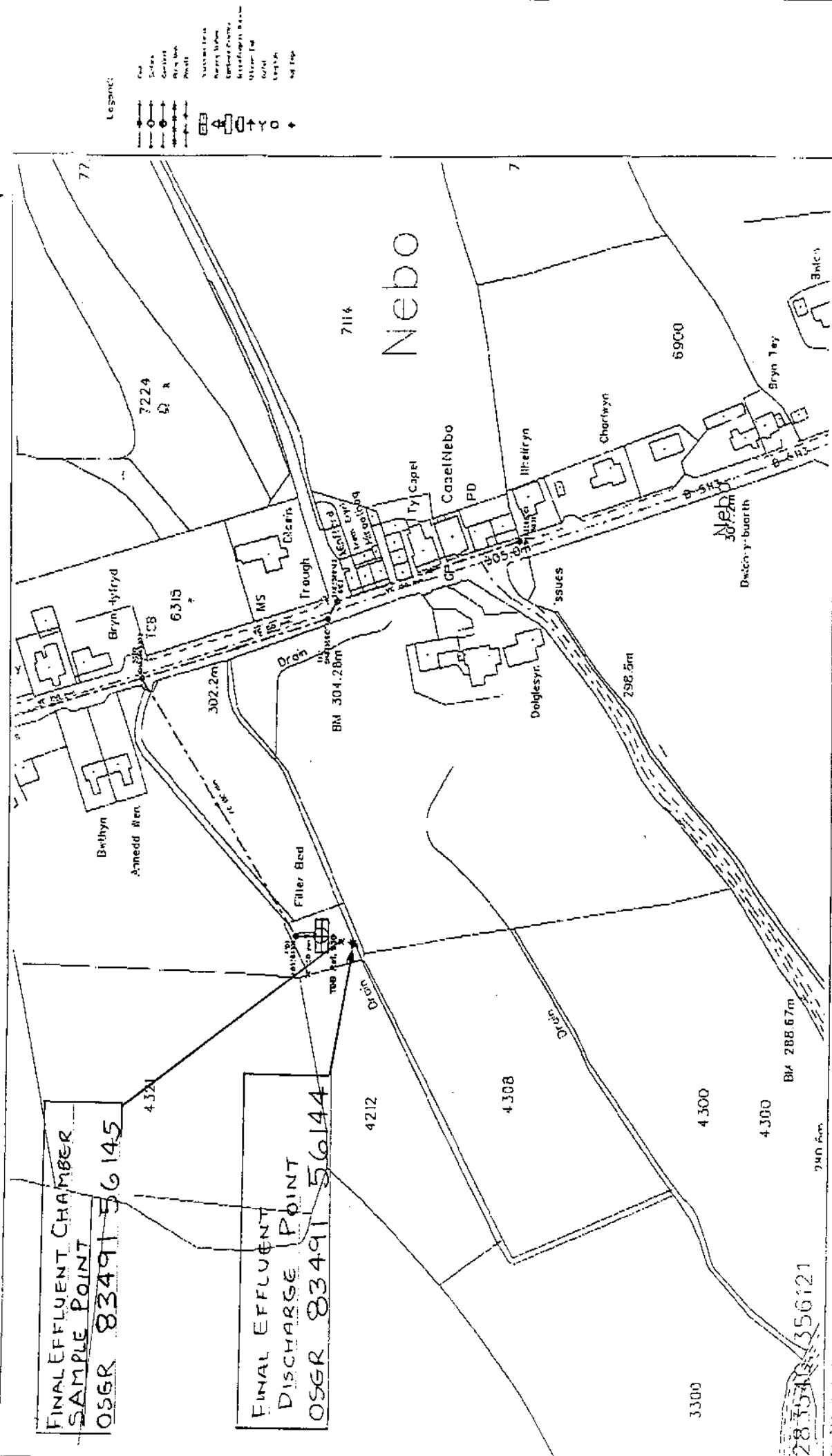
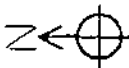
SIGNED: DATED:

PLEASE RETURN THIS FORM TO THE ADDRESS GIVEN ON THE FRONT PAGE



OSGR 83491-56144

Nov 01 2002.



Reproduced from: the Ordnance Survey's maps with the permission of the Controller of Her Majesty's Stationery Office, a Crown Copyright.

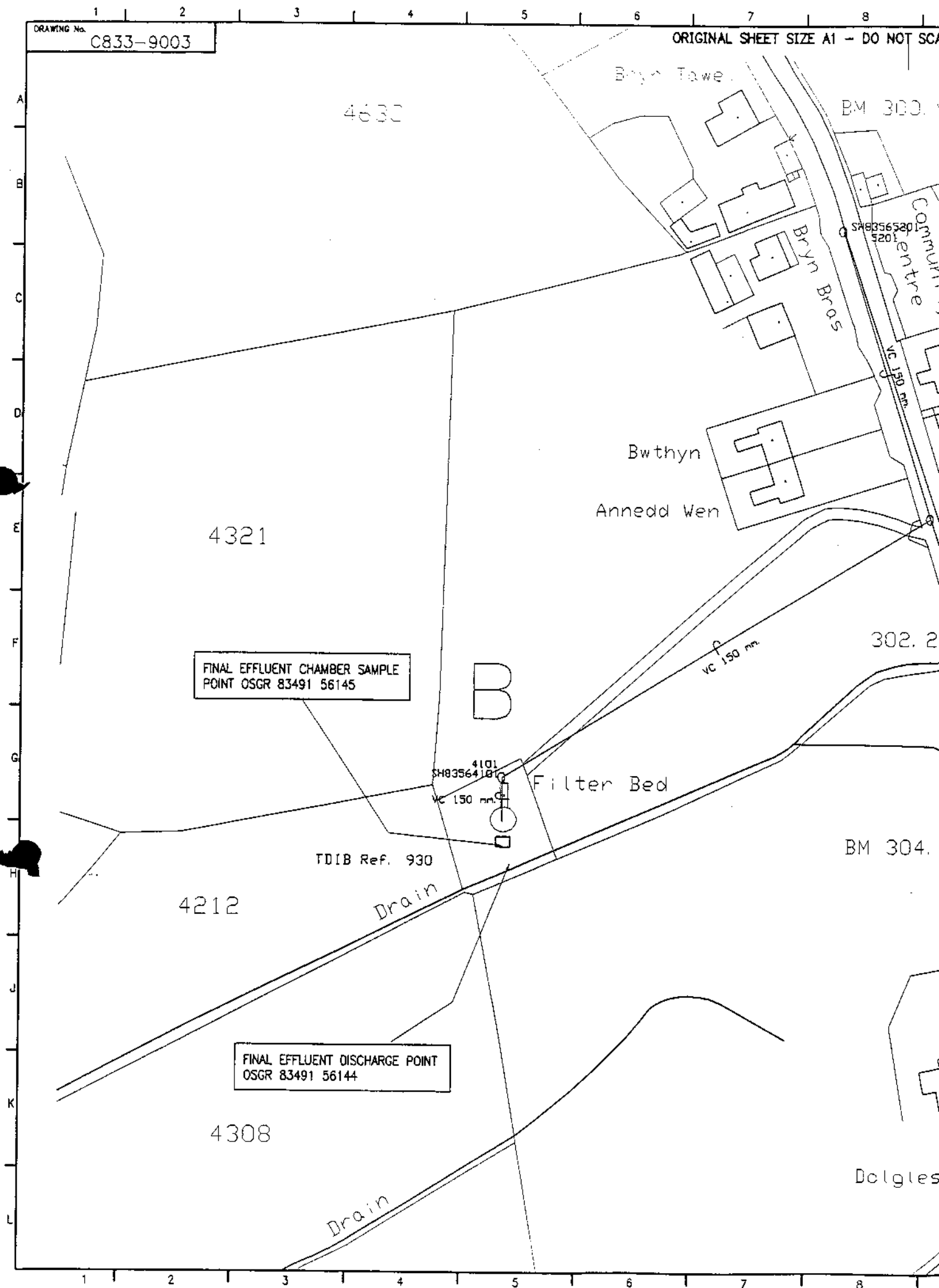
EXACT LOCATIONS OF ALL APPARATUS

As a result of the above, the authors have concluded that the use of the proposed method is not only simple and convenient, but also effective and reliable. The proposed method can be used to determine the optimal parameters of the fuzzy inference system, and the results of the simulation are in good agreement with the actual results. The proposed method can be used to determine the optimal parameters of the fuzzy inference system, and the results of the simulation are in good agreement with the actual results.

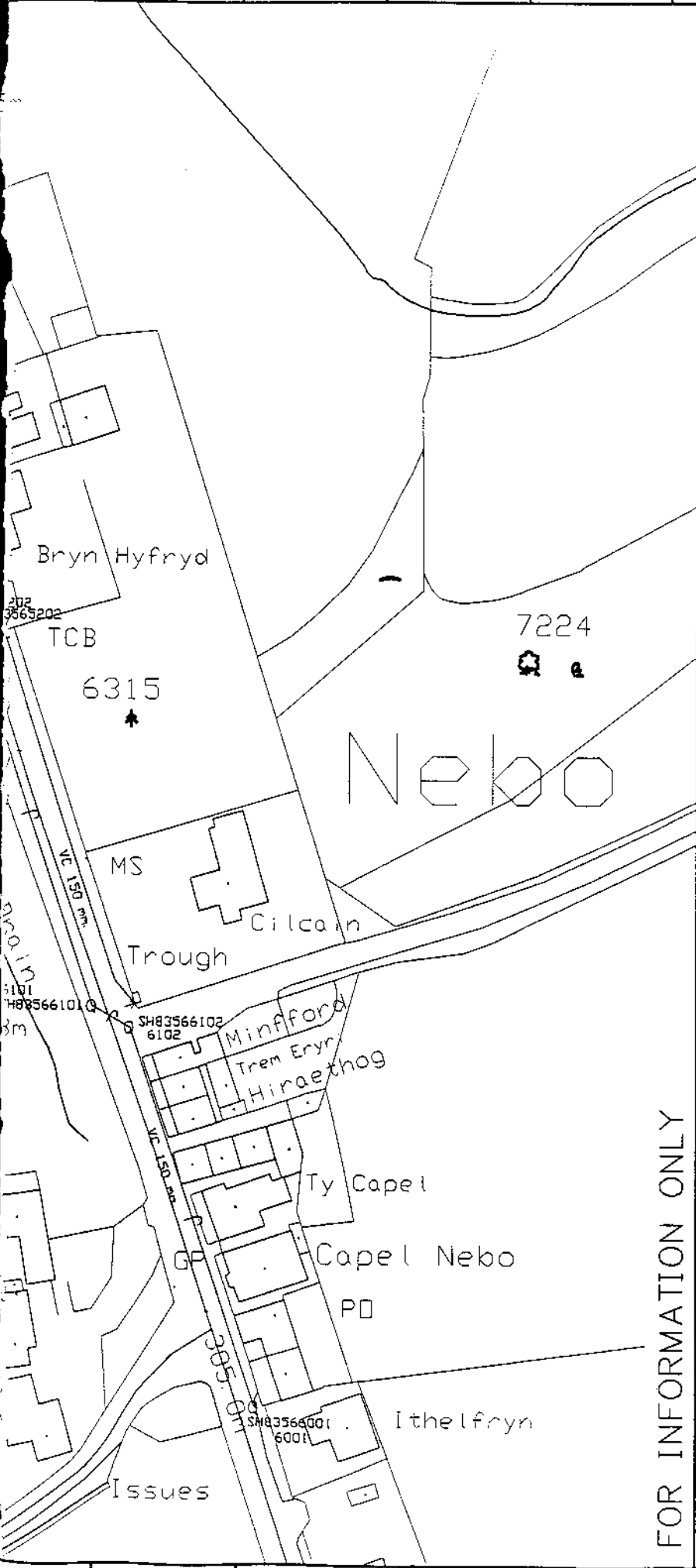
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C833-9003

ORIGINAL SHEET SIZE A1 - DO NOT SCALE



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SEE PREVIOUS ISSUES FOR PAST REVISION DETAILS								
REV.	REVISION DESCRIPTION	DESIGN APPROVAL						
A	FIRST ISSUE FOR REVIEW	<table border="1"> <tr> <td>DESIGNED BY</td><td>DATE</td><td>APPROVED BY</td></tr> <tr> <td>C. INGRAM</td><td>04.11.02</td><td>[Signature]</td></tr> </table>	DESIGNED BY	DATE	APPROVED BY	C. INGRAM	04.11.02	[Signature]
DESIGNED BY	DATE	APPROVED BY						
C. INGRAM	04.11.02	[Signature]						

GENERAL NOTES

[Large empty area for general notes]

FOR INFORMATION ONLY

17 Station Road, Four Aches Wolverhampton, WVO 708 Tel: 01902 781816 Fax: 01902 781772			
CUSTOMER		DWR CYMRU WELSH WATER	
PROJECT TITLE		NEBO STW	
TITLE SITE PLAN SHOWING SAMPLE AND DISCHARGE POINTS			
ORIGINAL ISSUE DRAWN BY	ORIGINAL ISSUE DATE	ORIGINAL ISSUE APPROVED BY	
C. INGRAM	04.11.02	[Signature]	
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DRAWING No. C833-9003

ORIGINAL SHEET SIZE A1 - DO NOT SCALE

