

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



29 April 1997

Part A

To: DWR CYMRU CYFYNGEDIG
ENVIRONMENT QUALITY SCIENTIST
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 BW1404301

Nature of Discharge(s); SEWAGE EFF/STORM EFF/RAINFALL
at
GARNSWLLT STW, LONGELIN, NR AMMANFORD

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: BW1404301 Name: DWR CYMRU CYFYNGEDIG
Address: ENVIRONMENT QUALITY SCIENTIST
PLAS-Y-FFYNNON
CAMBRIAN WAY
BRECON LD3 7HP

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:

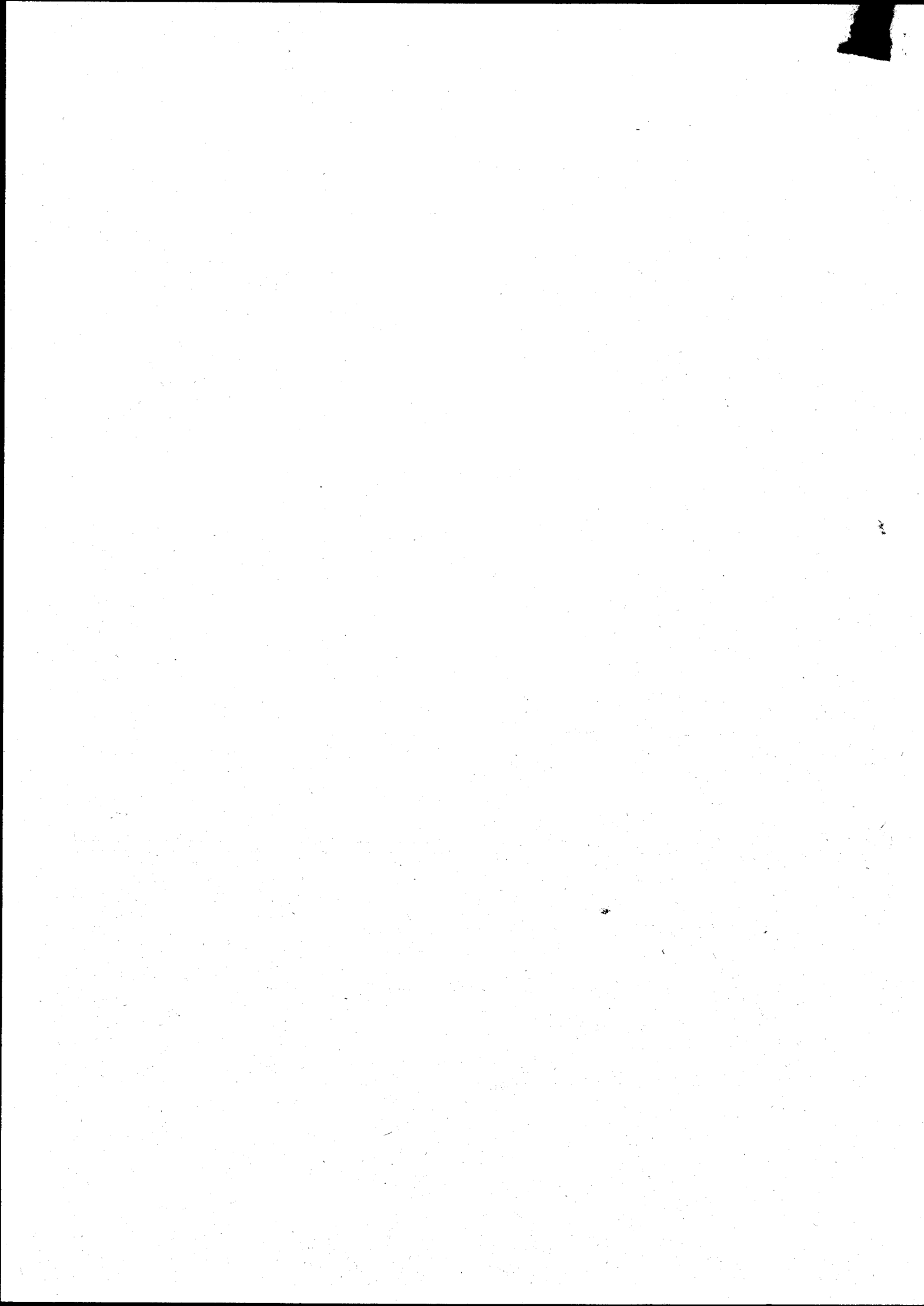
Post Code:

Date of Transfer to new Holder(s):

Signed: Dated:

Name (block capitals): Position:





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

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 : 31 March 2003

The Environment Agency ("the Agency") hereby confirm that the above named person (or organisation) is a / the registered Holder of the Consent : BW1404301 Consent Issued : 31 March 2003

Nature of Discharge(s) SSOR Sewage effluent

at SN6180509433 GRANSWLLT STW LONGELIN AMMANFORD

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 : BW1404301

Name : DWR CYMRU CYFYNGEDIG

Consent Issued : 31 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)

Simple

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
TRESHARRIS
MID GLAMORGAN CF46 6LY**

29 APR 2003

DS: I gorfforaeth gorfforedig mae teitl y swydd yn bwynt cysylltu.

Dyddiad Cychwyn y Daliwr : 31 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 : BW1404301 Cyhoeddwyd y Caniatâd : 31 Mawrth 2003

**Natur y Gollyngiad(au) : SSOR Carthffrwd
yn SN6180509433 GRANSWLLT STW LONGELIN AMMANFORD**

Noder : Dylid cadw'r dystysgrif hon gyda'r ddogfen caniatâd 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 Dŵr 1991 : Hysbysiad am drosglwyddo Caniatâd Gollwng

Cyfeirnod y Caniatâd : BW1404301

Enw : DWR CYMRU CYFYNGEDIG

Cyhoeddwyd y 31 Mawrth 2003

Cyfeiriad : PENTWYN ROAD

Caniatâd :

NELSON

TRESHARRIS

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*

** dilêer 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)

CONSENT NO.	BW1404301
SCHEDULE NO.	BW140430101

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.

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

Date: 14th March 2000



ASiantaeth Yr
Amgylchedd Cymru
Environment
Agency Wales

Mr A. Andrews
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

B. Williams

PP
KEVIN THOMAS
WATER QUALITY MANAGER WALES

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

Environment Agency Wales
Rivers House, St Mellons Business Park, St Mellons, Cardiff, CF3 0EY
Tel: 029 20770088 Fax: 029 20798555



13 JUN 1997



ASiantaeth YR
AMGYLCHEDD
ENVIRONMENT
AGENCY

Our Ref: 2/EQ/BW1404301/JJG

Your Ref:

Date: 12 June 1997

Dr. Lewis Keil
Scientist - Wastewater
Dwr Cymru/Welsh Water
Phoenix Way
Llansamlet
Swansea

Dear Dr Keil

GARNSWLLT STW SETTLED STORM CONSENT BW1404301

With reference to your letter of 5 June regarding the screening standard on the above consent the alteration, as detailed below, has been carried out and the updated page of the schedule is attached.

SETTLED STORM SEWAGE SCHEDULE NO. BW1404301 01 Page 2 of 3
Condition 7(a) amended to read "...10 millimetres in more than two dimensions."

Please destroy the original page of the schedule.

Yours sincerely,

J J GRAHAM
Assistant Area Consents Officer

cc. Customer Services Centre, Haverfordwest
Regional Consents, St Mellons

Asiantaeth yr Amgylchedd
Glan Tawe, 154 Ffordd Sant Helen, Abertawe, SA1 4DF

Ffon: 01792 645300, Ffacs: 01792 648652

Environment Agency
Glan Tawe, 154 St. Helens Road, Swansea, SA1 4DF

Tel: 01792 645300, Fax: 01792 648652





DŴR CYMRU
WELSH WATER

- 9 JUN 1997

J Graham
Assistant Area Consents Officer
Environment Agency
Glan Tawe
154 St Helens Rd
Swansea

5/6/97

Tel 01792 312511

Dear June,

Garnswllt STW, Settled Storm Consent, BW 1404301

Further to our telephone conversation I would ask that you reconsider the screening standard applied to the discharge under condition 7(a). When accepting draft consent I had not noticed that the condition equated to a mesh rather than a bar type screen.

I do not intend to appeal to Welsh Office over this relatively minor issue but would ask you to consider amending the condition from mesh to bar, which I believe is more appropriate for a storm tank at this location.

Yours sincerely,

Dr Lewis Keil
Scientist





ASiantaeth YR
AMGYLCHEDD
ENVIRONMENT
AGENCY

Eich cyf/Your ref.

Ein cyf/Our ref. 2/EQ/BW1404301/AJW

Dyddiad/Date: As postmark

Environment Quality Scientist
Dwr Cymru Cyfyngedig
Plas y Ffynnon
Cambrian Way
Brecon
LD3 7HP

Application
Filed with
BC0006801

Dear Sir

**RE: WATER RESOURCES ACT 1991 SECTION 88 SCHEDULE 10
REVIEW OF CONSENT TO DISCHARGE**

Further to your application for the review of consent of the Agency to discharge under the provisions of Section 88 of the Water Resources Act 1991, I enclose the Agency formal notice of the modifications made to the conditions of the consent to discharge settled storm sewage from Garnswllt Sewage Treatment Works at Longelin, Near Ammanford, Carmarthenshire.

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 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.

Where there is a change of ownership of the discharge, the Agency should be informed in writing in order that an apportioned charge may be raised.

If you are not satisfied with the new conditions of the consent you may appeal against the decision to the Secretary of State for Wales at the Welsh Office, Cathays Park, Cardiff CF1 3NQ.

Yours faithfully

PP

W EDWARDS

D B L MATHIAS
Area Water Quality Manager

Please ask for: Helen Williams Ext 3501

Asiantaeth yr Amgylchedd
Llys Afon, Hawthorn Rise, Hwlfordd, Pembrokeshire, SA61 2BQ
Ffon 01437 760081, Ffacs 01437 760881

Environment Agency
Llys Afon, Hawthorn Rise, Haverfordwest, Pembrokeshire, SA61 2BQ
Tel 01437 760081, Fax 01437 760881



CONSENT NO. BW1404301



ASiantaeth YR
AMGYLCHEDD
ENVIRONMENT
AGENCY

WATER RESOURCES ACT 1991

SECTION 88 - SCHEDULE 10

(AS AMENDED BY THE ENVIRONMENT ACT 1995)

VARIATION OF CONSENT TO DISCHARGE

TO: Environment Quality Scientist
Dwr Cymru Cyfyngedig
Plas Y Ffynnon
Cambrian Way
Brecon
LD3 7HP

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:

SETTLED STORM SEWAGE

with respect to Consent No. BW1404301 issued on the 21st day of November 1974

FROM: GARNSWLLT SEWAGE TREATMENT WORKS

AT: LONGELIN, NEAR AMMANFORD, CARMARTHENSHIRE

TO: THE RIVER LOUGHOR

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

SETTLED STORM SEWAGE

SCHEDULE NO. BW1404301 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 variation of consent is issued and takes effect on the 24th day of April 1997

Signed

Area Water Quality Manager

Asiantaeth yr Amgylchedd

Llys Afon, Hawthorn Rise, Hwlfordd, SA61 2BQ Ffon 01437 760081, Ffacs 01437 760881

Environment Agency

Llys Afon, Hawthorn Rise, Haverfordwest, SA61 2BQ Tel 01437 760081 Fax 01437 760881



CONSENT NO.	BW1404301
SCHEDULE NO.	BW1404301 01
DATE ISSUED	24 th April 1994



ASiantaeth Yr
Amgylchedd
Environment
Agency

CONDITIONS OF CONSENT TO DISCHARGE

SETTLED STORM SEWAGE ("the Discharge")

FROM: GARNSWLLT SEWAGE TREATMENT WORKS

- 1 (a) The Discharge shall not contain any poisonous, noxious or polluting matter or solid waste matter.
- (b) Provided that the Discharge hereby consented is made in accordance with the following conditions of this consent, such discharge shall not be taken to be in breach of condition (a) above by reason of containing substances or having properties identified in and controlled by these conditions.

NATURE

2. The Discharge shall consist solely of settled storm sewage.

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 Loughor;
 - (c) at National Grid Reference SN 6180 0943;
 - (d) shown marked 'OUTFALL POINT' on Plan BW1404301 attached as Annex 2.
4. An appropriately labelled sample point shall be provided and maintained at National Grid Reference SN 6206 0900, as shown marked "STORM WATER SAMPLE POINT" on Plan BW1404301, so that a representative sample of the Discharge may be obtained. The discharger 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.





CONSENT NO.	BW1404301
SCHEDULE NO.	BW1404301 01

VOLUME

5. The Discharge shall occur when and only for as long as, the storm tanks are full. The discharge of storm sewage to the storm tank shall occur only when the rate of flow at the works inlet sewer is in excess of 288 litres per second due to rainfall and/or snow melt. The storm tanks shall be emptied automatically and their contents returned for full treatment as soon as practicable after cessation of the overflow to the storm tanks.
6. The capacity of the storm tanks shall be at least 2770 cubic metres.

COMPOSITION

7. (a) The Discharge shall not contain a significant quantity of solid matter having a size greater than 10 millimetres in more than one dimension.
- (b) The Discharge shall not be comminuted or macerated to achieve the standard in (a) above.

RECORDING AND REPORTING

8. (a) The discharger 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 discharger shall supply the Agency with a written report on the maintenance and all non-routine actions that may have adversely affected effluent quality.
9. The discharger 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 Red List, or Annex 1 to this notice as updated by the Agency from time to time, and notified to the discharger in writing, or any other substance considered by the discharger as having or likely to have a significant effect on the receiving waters.
10. As far as is reasonably practicable, the works shall be operated so as to prevent:
 - (i) any matter being present in the Discharge to such an extent as to cause the receiving waters, or any waters of which the receiving waters are a tributary, to be poisonous or injurious to fish in those waters, or to the spawning grounds, spawn or food of fish in those waters, or otherwise cause damage to the ecology of those waters; and
 - (ii) the Discharge from having any other adverse environmental impact.



CONSENT NO.	BW1404301
SCHEDULE NO.	BW1404301 01



ASiantaeth Yr
AMGYLCHEDD
ENVIRONMENT
AGENCY

START DATE

11. There shall be no discharge under the terms of this consent until the 30th of April 1997 or the end of commissioning of the works whichever is the sooner.



CONSENT NO.	BW1404301
SCHEDULE NO.	BW1404301 01



ASiantaeth YR
AMGYLCHEDD
ENVIRONMENT
AGENCY

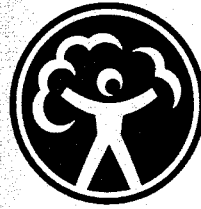
ANNEX 1

SUBSTANCE

Mercury
Cadmium
g-Hexachlorocyclohexane
DDT
Pentachlorophenol
Hexachlorobenzene
Hexachlorobutadiene
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
Tetrachloroethylene
Lead
Chromium
Zinc
Copper
Nickel
Arsenic
Iron
pH
Boron

Vanadium
PCSDs
Cyfluthrin
Sulcofuron
Flucofuron
Permethrin
Cyanide
Azinphos-ethyl
Fenthion
Parathion
Parathion-methyl
Trichloroethane
Dioxins
Isodrin





ENVIRONMENT AGENCY

ANNEXE 3 TRADE EFFLUENT DISCHARGES

Please complete this annexe if you are proposing to discharge trade effluent (this includes site drainage).

Official Use Only
Application No.

1. Site Name.

GARNSWLLT STW
LONGELIN
NR AMMANFORD
CARMARTHENSHIRE

2. a) Describe in full the trade effluent and the process(es) from which it arises.

SEE ATTACHED CONSENTS :-
(a) WERN DDU DISPOSAL SITE
(b) HOWISTON PLATING

b) Please state the type and number of treatment units you are proposing to use (if site drainage please include details of oil/petrol interception facilities).

3. Rainfall Dependent Discharges

a) Is the volume going to be rainfall dependent?

Y/N

b) If yes, please give the total area drained.

m²

c) Please give details of any activities which occur in the drainage area which could contaminate surface water (see note b)

4. Rainfall Independent Discharges

a) What is the maximum rate of discharge?

l/s

b) What is the average daily flow?

m³/d

c) For discharges where the source of supply is other than mains water:

i) give the abstraction licence number.

ii) give the National Grid Reference of a point where the influent can be sampled.

□ □ / □ □ □ □ / □ □ (please mark on the plan)

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

Y/N

[Empty box for details of self monitoring]

- b) Will automatic sampling equipment be provided?
If yes, please give details of type, frequency and location (*please indicate on plan*).

Y/N

[Empty box for details of automatic sampling equipment]

6. a) Please state the maximum temperature in degrees Celsius of the effluent when discharged if different from ambient.

[Empty box for maximum temperature of effluent]

- b) Will the discharge be monitored for temperature?
If yes, please give details of type and location (*please indicate on plan*).

Y/N

[Empty box for details of temperature monitoring]

7. Has an application for Authorisation been made for a 'prescribed process' as defined in Part 1 of the Environmental Protection Act 1990?

Y/N

If yes, please complete the following:

- a) The application reference.

[Empty box for application reference]

- c) Contact name of case officer.

[Empty box for contact name of case officer]

8. a) Please indicate if any of the specified substances given below or their compounds will be present in the effluent and if so at what maximum concentration (please give values in micrograms per litre - ug/l). Please see note c.

SUBSTANCE	CONCENTRATION (ug/l)			SUBSTANCE	CONCENTRATION (ug/l)		
	Max	Min	Mean		Max	Min	Mean
Iron				Lead			
Arsenic				Malathion			
Atrazine				Mercury			
Azinphos-ethyl				Nickel			
Azinphos-methyl				PCB's			
Boron				PCSD's			
Cadmium				Parathion			
Carbon tetrachloride				Parathion-methyl			
Chloroform				Pentachlorophenol (PCP)			
Chromium				Perchloroethylene			
Copper				Permethrin			
Cyanide				pH < 5.5 or > 9.0			
Cyfluthrin				Phosphorus			
DDT				Polychlorinated biphenyls			
1,2 Dichloroethane				Simazine			
Dichlorvos				Sulcofuron			
Dioxins				Tetrachloroethylene			
Drins (eg. Aldrin, Dieldrin)				Tributyltin compounds			
Endosulfan				Trichlorobenzene			
Fenitrothion				Trichloroethane			
Fenthion				Trichloroethylene			
Fluocifuron				Trifluralin			
Hexachlorobenzene (HCB)				Triphenyltin compounds			
Hexachlorobutadiene (HCBd)				Vanadium			
Hexachlorocyclohexanes (HCH's)				Zinc			

- b) Are there any other significant chemical components used on site which may be contained in the effluent, including biocides or additives? Y/N
If yes, please give details.

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

- a) For direct trade effluent discharges, full details of the type of the effluent are required (eg. cooling water from air conditioning units), along with typical analytical details and the results of any toxicity studies on the effluent or its constituents. In certain circumstances the Agency may require that specific samples be taken and tests and analysis carried out. The Agency is empowered to recover any costs incurred as a result of special studies.*
- b) Possible sources of contamination include oil/chemical storage areas, vehicle loading/unloading areas, heavy vehicle parking areas and oil/petrol filling points. Any other potential sources of contamination should be detailed.*
- c) Where discharges of trade effluent take place to a sewerage system, as covered by this application, please give details of all authorised discharges of substances listed in table 8 overleaf.*



ASiantaeth Yr
AMGYLCHEDD
ENVIRONMENT
AGENCY

WATER RESOURCES ACT 1991 (schedule 10)

(as amended by the Environment Act 1995)

Application for variation to an existing consent to discharge

Regional/Area Address: The Regional Finance Manager Environment Agency Welsh Region PO Box 425 St Mellons Business Park CARDIFF CF3 0LT	<i>Official Use Only</i> Dist/Area Ref: 1303 Application No. BL1404301 Date Received: 15/11/02. Fee Received: £688 -
--	--

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.

Garnswllt Wastewater Treatment Works (Storm discharge).
Longelin
Ammanford
Dyfed

Post Code:

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 N/A m³/day
 Briefly state how this figure was calculated (see note ii).

See Phase 3 report "Amman Valley Sewer Investigation revised Phase III report - Catchment CSO Strategy Oct 2000"

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 | <input checked="" type="checkbox"/> | 4. Borehole | <input type="checkbox"/> | 7. Sub-Irrigation System | <input type="checkbox"/> |
| 2. Channel | <input type="checkbox"/> | 5. Well | <input type="checkbox"/> | 8. Combination of 6 & 7 | <input type="checkbox"/> |
| 3. Culvert | <input type="checkbox"/> | 6. Soakaway | <input type="checkbox"/> | 9. Other (please specify below) | <input type="checkbox"/> |

1050 NB concrete pipe

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

S	N	6	1	8	0	0	0	9	4	3	0
---	---	---	---	---	---	---	---	---	---	---	---

(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	N	6	2	0	6	6	0	9	0	0	0
---	---	---	---	---	---	---	---	---	---	---	---

(please indicate on accompanying plans)

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

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

1 off storm screen, 10mm bar, 2 off storm tanks total volume 2820 m3

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

No

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

31/03/2003

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.

See Phase 3 report "Amman Valley Sewer Investigation revised Phase III report - Catchment CSO Strategy Oct 2000"

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

Yes

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

Final effluent BC0006801

Storm discharge BW1404301

b) Has any person had a Prohibition Notice serviced on them in respect of this site?

No

If yes, please give the reference number.

SW837 Extended 1/11/02

3 SITE DETAILS

3.1 Please give the name of the relevant Planning Authority.

Carmarthen County Council

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

- | | | | |
|---|--------------------------|----------------------------|-------------------------------------|
| 1. Single Dwelling | <input type="checkbox"/> | 6. Fish Farm | <input type="checkbox"/> |
| 2. Multiple Dwellings | <input type="checkbox"/> | 7. Mineral Workings | <input type="checkbox"/> |
| 3. Industrial Premises | <input type="checkbox"/> | 8. Water Services plc STW | <input checked="" type="checkbox"/> |
| 4. Vehicle Parking Area | <input type="checkbox"/> | 9. Water Supply | <input type="checkbox"/> |
| 5. Commercial Premises (please specify) | <input type="checkbox"/> | 10. Other (please specify) | <input type="checkbox"/> |

- 3.3 Please indicate source of the water supply - tick as appropriate: N/A
- | | | | |
|---|--------------------------|--|--------------------------|
| 1. Well | <input type="checkbox"/> | 5. River <i>(please give name below)</i> | <input type="checkbox"/> |
| 2. Borehole | <input type="checkbox"/> | 6. Estuary <i>(please give name below)</i> | <input type="checkbox"/> |
| 3. Precipitation (eg rain or snow) | <input type="checkbox"/> | 7. Coastal Water <i>(please give name below)</i> | <input type="checkbox"/> |
| 4. Mains <i>(please state water supply company)</i> | <input type="checkbox"/> | | |

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) | <input type="checkbox"/> | 5. Into Land | <input type="checkbox"/> |
| 2. River or Stream (non-tidal) | <input checked="" type="checkbox"/> | 6. Onto Land | <input type="checkbox"/> |
| 3. Canal | <input type="checkbox"/> | 7. Directly into Groundwater | <input type="checkbox"/> |
| 4. Lake, Lock or Pond | <input type="checkbox"/> | 8. Coastal Water (see note vii) | <input type="checkbox"/> |

State name of receiving water if known:

River Loughor

- 4.2 In the case of sub-irrigation systems, soakaways or boreholes: N/A
- | | |
|--|---------------------------------|
| (a) Is any part of the system within 5 metres of the boundary of the premises? | <input type="checkbox"/> Y/N |
| (b) Is any part of the system within 10 metres of a watercourse? | <input type="checkbox"/> Y/N |
| (c) Is any part of the system within 50 metres of a borehole or spring? | <input type="checkbox"/> Y/N |
| (d) For wells and boreholes state dimension(s) in metres. | <input type="text" value=""/> m |
| (e) For sub-irrigation systems, soakaway pits, wells and boreholes, state maximum depth in metres. | <input type="text" value=""/> m |
| (f) For boreholes, state details of lining in metres: | |
| (i) Depth of lining | <input type="text" value=""/> m |
| (ii) Depth of perforated lining | <input type="text" value=""/> m |
| (iii) Depth of unperforated lining | <input type="text" value=""/> m |
| (g) A percolation test must be carried out in accordance with British Standard BS6297:1983.
Have the results been provided? | |
| | <input type="checkbox"/> Y/N |
- 4.3 Is there a foul sewer available to which the discharge(s) could be made (see note viii)? N/A
- If yes, please give the reasons it is not practical to connect to it (eg distance, flow etc).
-

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

*Caerphilly

*CF46 6LY

Post Code:

Daytime Telephone Number: Hilary Ford 01437 769061

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: <i>Hilary Ford</i>	PRINT NAME: <i>HILARY FORD</i>
ON BEHALF OF: <i>Dws Cymru Cyt</i>	DATED: <i>14.11.02</i>

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



**ANNEXE 2
SEWAGE EFFLUENT DISCHARGED IN STORM OR EMERGENCY CONDITIONS**

Please complete this annexe if you are proposing to make a discharge of sewage in emergency or storm conditions (if the effluent is to contain a trade component Annex 3 should also be completed).

<i>Official Use Only</i> Application No.

1. Site Name.

Garswllt Wastewater Treatment Works Longelin Ammanford Dyfed	
---	--

2. State the type of discharge - tick as appropriate:

Storm tanks	<input checked="" type="checkbox"/>
Combined Sewer Overflow from sewerage system	<input type="checkbox"/>
Combined Sewer Overflow from pumping station	<input type="checkbox"/>
Emergency overflow from sewerage system	<input type="checkbox"/>
Emergency overflow from pumping station	<input type="checkbox"/>
Other (please specify)	<input type="checkbox"/>

--

3. For effluents discharging from sewage treatment works, is the storm/emergency effluent discharged via the same outlet as the treated effluent? Yes

If no please give: a) the National Grid Reference of the treated effluent outlet.

--	--	--	--	--	--	--	--	--	--	--

b) the consent or application number covering the treated effluent discharge

--

If yes please give the National Grid Reference of the storm/emergency sampling point (see notes)

S	N	6	2	0	6	6	0	9	0	0	0
---	---	---	---	---	---	---	---	---	---	---	---

4. For effluents discharging from combined sewer overflows, is the discharge via a dedicated pipe? N/A

If no please give the National Grid Reference of the overflow into the sewer.

--	--	--	--	--	--	--	--	--	--	--

5. Overflow settings

- | | |
|--|---------|
| a) Overflow setting to storm tanks | 360 l/s |
| b) Maximum flow to storm tanks | 318 l/s |
| c) Overflow setting to storm sewage overflow | 318 l/s |
| d) Maximum flow to storm sewage overflow | 318 l/s |

6. Storage capacity

- | | |
|--|------------|
| a) Volume of Storm tanks | 2820 m3 |
| b) Retention time of storm tanks at maximum flow | 2.46 hours |
| c) Storage capacity of sewer/wet well | N/A |

7. Please provide full details of the design criteria that have been used to support this application.

See Phase 3 report "Amman Valley Sewer Investigation revised Phase III report – Catchment CSO Strategy Oct 2000"

8. Will facilities be provided to raise alarms (eg telemetry)?
If yes, please give details.

Yes

Overflow event recorder via telemetry

9. Will facilities be provided to prevent the discharge of gross solids?
If yes, please give details (for screens give bar spacing or aperture).

Yes

Storm screens, 10mm bar spacing

10. What provisions will be made to deal with:

a) power failure (eg standby generators)?

Standby generators exist on site

b) mechanical breakdown (eg standby pumps)?

All main process pumps have standby capacity

c) rising main failure?

N/A

d) tanker access?

Available

Notes (see also the notes on the main form):

Full details of the design criteria must be provided in order for the application to be determined. If you have any queries about what information is required please contact the person given in notes attached to the main form.



ANNEXE 3 TRADE EFFLUENT DISCHARGES

Please complete this annexe if you are proposing to make a discharge trade effluent (this includes site drainage).

Official Use Only
Application No.

1. Site Name.

Garnswllt WwTW

2. a) Describe in full the trade effluent and the process(es) from which it arises.

Trade consents are in force for
EA Wales – Abernant Landfill Site – No 380 of 2002
Dinefwr Borough Council - Wern Ddu Waste Disposal site – SW231
Novel earth Ltd – Electroplating – SW458
Novel earth Ltd – Electroplating – SW457
Franks Ice-cream Ltd – Food Manufacturing – SW310
Bubbles Coin Wash – Launderette – SW229

b) Please state the type and number of treatment units you are proposing to use (if site drainage please include details of oil/petrol interception facilities).

N/A

3. Rainfall Dependent Discharges

N/A

a) Is the volume going to be rainfall dependent?

Y/N

b) If yes, please give the total area drained.

m²

c) Please give details of any activities which occur in the drainage area which could contaminate surface water (see note b)

4. Rainfall Independent Discharges

N/A

a) What is the maximum rate of discharge?

l/s

b) What is the average daily flow?

m³/d

c) For discharges where the source of supply is other than mains water:

i) give the abstraction licence number

ii) give the National Grid Reference of a point where the influent can be sampled.

--	--	--	--	--	--	--	--	--	--

(please mark on the plan)

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

b) Will automatic sampling equipment be provided? N/A
If yes, please give details of type, frequency and location (*please indicate on plan*)

6. a) Please state the maximum temperature in degrees Celsius of the effluent when discharged if different from ambient.

b) Will the discharge be monitored for temperature? N/A
If yes, please give details of type and location (*please indicate on plan*)

7. Has an application for Authorisation been made for a 'prescribed process' as defined in Part 1 of the Environmental Protection Act 1990? N

If yes, please complete the following:

a) The application reference.

b) Contact name of case officer.

8. a) Please indicate if any of the specified substances given below or their compounds will be present in the effluent and if so at what maximum concentration (please give values in micrograms per litre - ug/l). Please see note c.

SUBSTANCE	CONCENTRATION (ug/l)			SUBSTANCE	CONCENTRATION (ug/l)		
	Max	Min	Mean		Max	Min	Mean
Iron				Lead ✓			
Arsenic	✓			Malathion			
Atrazine				Mercury			
Azinphos-ethyl				Nickel ✓			
Azinphos-methyl				PCB's			
Boron				PCSD's			
Cadmium	✓			Parathion			
Carbon tetrachloride				Parathion-methyl			
Chloroform				Pentachlorophenol (PCP)			
Chromium	✓			Perchloroethylene			
Copper	✓			Permethrin			
Cyanide	✓			pH <5.5 or >9.0			
Cyfluthrin				Phosphorus			
DDT				Polychlorinated biphenyls			
1,2 Dichloroethane				Simazine			
Dichlorovos				Sulcofuron			
Dioxins				Tetrachloroethylene			
Drins (eg Aldrin, Dieldrin)				Tributyltin compounds			
Endosulfan				Trichlorobenzene			
Fenitrothion				Trichloroethane			
Fenthion				Trichloroethylene			
Flucofuron				Trifluralin			
Hexachlorobenzene (HCB)				Triphenyltin compounds			
Hexachlorobutadiene (HCBd)				Vanadium			
Hexachlorocyclohexanes (HCH's)				Zinc ✓			

- b) Are there any other significant chemical components used on site which may be contained in the effluent, including biocides or additives? Y/N
If yes, please give details.

See appended Trade Effluent discharges to sewer consents

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

- a) *For direct trade effluent discharges, full details of the type of the effluent are required (eg cooling water from air conditioning units), along with typical analytical details and the results of any toxicity studies on the effluent or its constituents. In certain circumstances the Agency may require that specific samples be taken and tests and analysis carried out. The Agency is empowered to recover any costs incurred as a result of special studies.*
- b) *Possible sources of contamination include oil/chemical storage areas, vehicle loading/unloading areas, heavy vehicle parking areas and oil/petrol filling points. Any other potential sources of contamination should be detailed.*
- c) *Where discharges of trade effluent take place to a sewerage system, as covered by this application, please give details of all authorised discharges of substances listed in table 8 overleaf.*



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.

Garnswllt Wastewater Treatment Works
Longelin
Ammanford
Dyfed

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

No

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):

1050 mm NB

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

£ 3.0M

5. Is there any trade effluent component in the proposed discharge?

Yes

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

Tick

See separate application for treated effluent consent

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

Gravity

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

l/s

For proposed discharges of sewer in storm or emergency conditions:

7. Please confirm here that you have completed and enclosed both Annexes 1 and 2:

Tick

8. Please state:

Population served (head)	31934
Consumption (l/head/day) default = 180	180
Infiltration (m ³ /day)	6359
Industrial effluent flow (m ³ /day)	1004
Dry Weather Flow (m ³ /day)	13132
Soc A (l/sec)	678
Predicted spill frequency (per annum)	52

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.**

CONSENT NO.

BW1404301



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

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:

Settled Storm Sewage

with respect to Variation of Consent No. BW1404301 issued on the 24th day of April 1997

FROM: GARNSWLLT SEWAGE TREATMENT WORKS

AT: LONGELIN, AMMANFORD

TO: RIVER LOUGHOR

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

Settled Storm Sewage

Schedule No. BW1404301 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 affects 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 variation of consent is issued and takes effect on the 31 day of March 2003.

Signed 

Daron Herbert – Environment Management Team Leader

Asiantaeth yr Amgylchedd Cymru
Glan Tawe, 154 Ffordd Sant Helen, Abertawe. SA1 4DF. Ffon 01792 645300. Ffacs 01792 648452

Environment Agency Wales
Glan Tawe, 154 ST Helens Road, Swansea. SA1 4DF. Tel 01792 645300 Fax 01792 648452



CONSENT NO.	BW1404301
SCHEDULE NO.	BW1404301 01
DATE ISSUED	31 March, 2003



**ASiantaeth Yr
Amgylchedd Cymru
ENVIRONMENT
AGENCY WALES**

CONDITIONS OF CONSENT TO DISCHARGE

Settled Storm Sewage ("the Discharge")

**FROM: GARNSWLLT SEWAGE TREATMENT WORKS, LONGELIN,
AMMANFORD**

NATURE

1. The Discharge shall consist solely of settled storm sewage.

LOCATION

2. The Discharge shall be made in the manner and at the place specified as:
 - (a) discharging via a 1050mm diameter pipe;
 - (b) discharging to the River Loughor;
 - (c) at National Grid Reference SN 61805 09433;
 - (d) shown marked 'Consent Point' on Plan No. BW1404301 attached as Annex 1.

SAMPLE POINT

3. An appropriately labelled sample point shall be provided and maintained at National Grid Reference SN 62084 09889 as shown marked 'SETTLED STORM Sampling Point' on Plan No. BW1404301 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.

VOLUME

4. The Discharge shall occur when and only for as long as, the storm tanks are full. The discharge of storm sewage to the storm tank shall only occur when the rate of flow at the storm sewage separating weir is in excess of 360 litres per second due to rainfall and/or snow melt and shall consist only of flows in excess of this figure. The storm tanks shall be emptied automatically and their contents returned for full treatment as soon as practicable after cessation of the overflow to the storm tanks.
5. The capacity of the storm tank(s) shall be at least 2,820 cubic metres.



CONSENT NO.	BW1404301
SCHEDULE NO.	BW1404301 01



ASiantaeth Yr
Amgylchedd Cymru
Environment
Agency Wales

COMPOSITION

6. (a) The Discharge shall not contain a significant quantity of solid matter having a size greater than 10 millimetres in more than two dimensions.
- (b) The Discharge shall not be comminuted or macerated to achieve the standard in (a) above.

WORKS OPERATION

7. (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.

RECORDING AND REPORTING

8. (a) The Consent Holder shall establish and operate a documented maintenance programme and record all non-routine actions undertaken that may have adversely affected the operation of the storm tanks. 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 the operation of the storm tanks.

SUBSTANTIAL CHANGE

9. (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.



CONSENT NO.	BW1404301
SCHEDULE NO.	BW1404301 01



ASiantaeth Yr
Amgylchedd Cymru
ENVIRONMENT
AGENCY WALES

- (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 effect 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 characteristic of the Discharge which is specifically regulated by conditions 13 and 14 of this consent but it may be significant if it is caused by a change in some other characteristic of the Discharge.
- (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

10. (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.





ASiantaeth YR
AMGYLCHEDD CYMRU
ENVIRONMENT
AGENCY WALES

Eich cyf/Your ref.

Ein cyf/Our ref. 2/CS/LL/BW1404301

Dyddiad/Date: 10 April 2003

Lewis Keil
Dŵr Cymru Cyfyngedig
Pentwyn Road
Nelson
Treharris
CF46 6LY

Dear Sir

**WATER RESOURCES ACT 1991, SCHEDULE 10 (AS AMENDED BY THE ENVIRONMENT ACT 1995) APPLICATION TO DISCHARGE SETTLED STORM SEWAGE BY DŴR CYMRU WELSH WATER FROM GARNSWLLT STW.
APPLICATION NO: BW1404301**

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 as detailed above.

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
Glane Tawe, 154 Ffordd Sant Helen, Abertawe SA1 4DF
Ffon: 01792 645300, Ffacs: 01792 648652

Environment Agency Wales
Glane Tawe, 154 St Helens Road, Swansea SA1 4DF
Tel: 01792 645300, Fax: 01792 648652



If you have any queries regarding the enforcement of this consent, please do not hesitate to contact Daron Herbert, Team Leader Environment Management, Environment Agency Wales, Glan Tawe, 154 St. Helens Road, Swansea SA1 4DF.

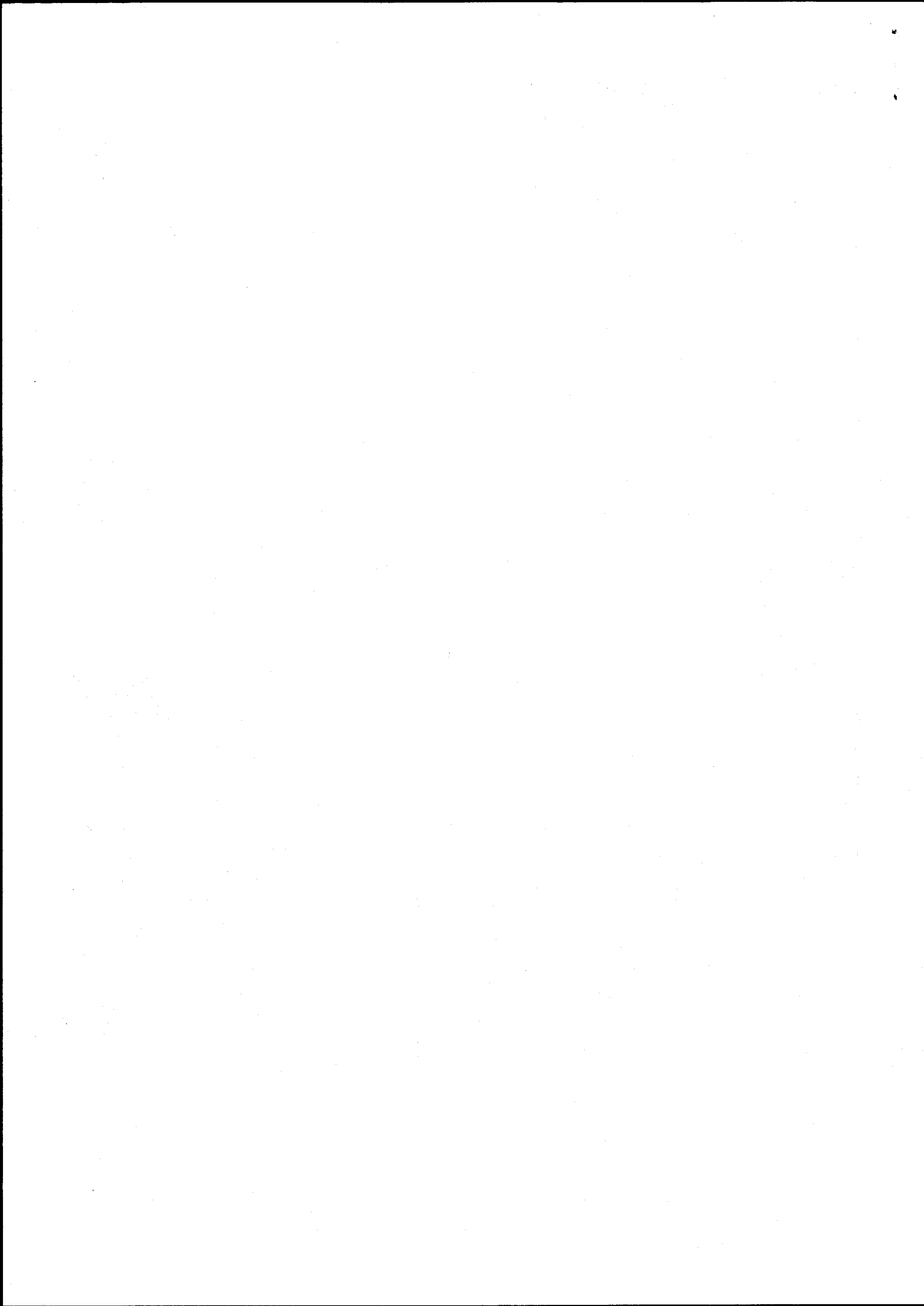
Yours faithfully,

A handwritten signature in cursive script, appearing to read 'G Davies'.

GARETH DAVIES
Customer Contact Officer

Please ask for Barry Williams, ext. 3512

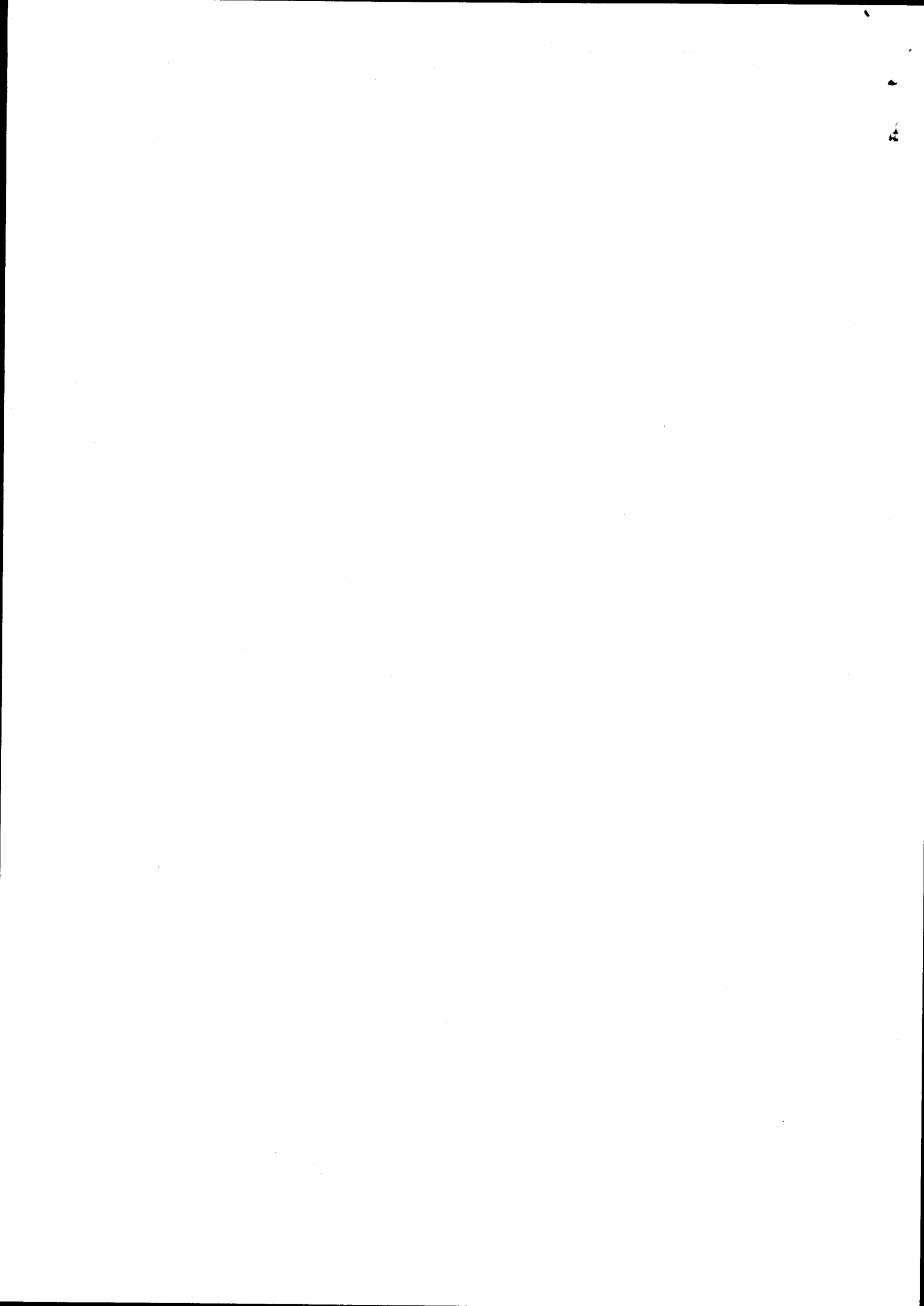
Enc.



Documentation Supporting Consent Application for

Garnswllt WwTW

Storm discharge



CONTENTS

- 1.0 INTRODUCTION
- 2.0 FLOW AND LOAD SHEET
- 3.0 LOCATION PLAN SHOWING SITE OF WWTW
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- 5.0 BRIEF PROCESS DESCRIPTION
- 6.0 CERTIFICATE OF SCREEN COMPETENCE
- 7.0 STORM SPILL CALCULATIONS
- 8.0 COPIES OF TRADE EFFLUENT TO SEWER CONSENTS



1.0 INTRODUCTION

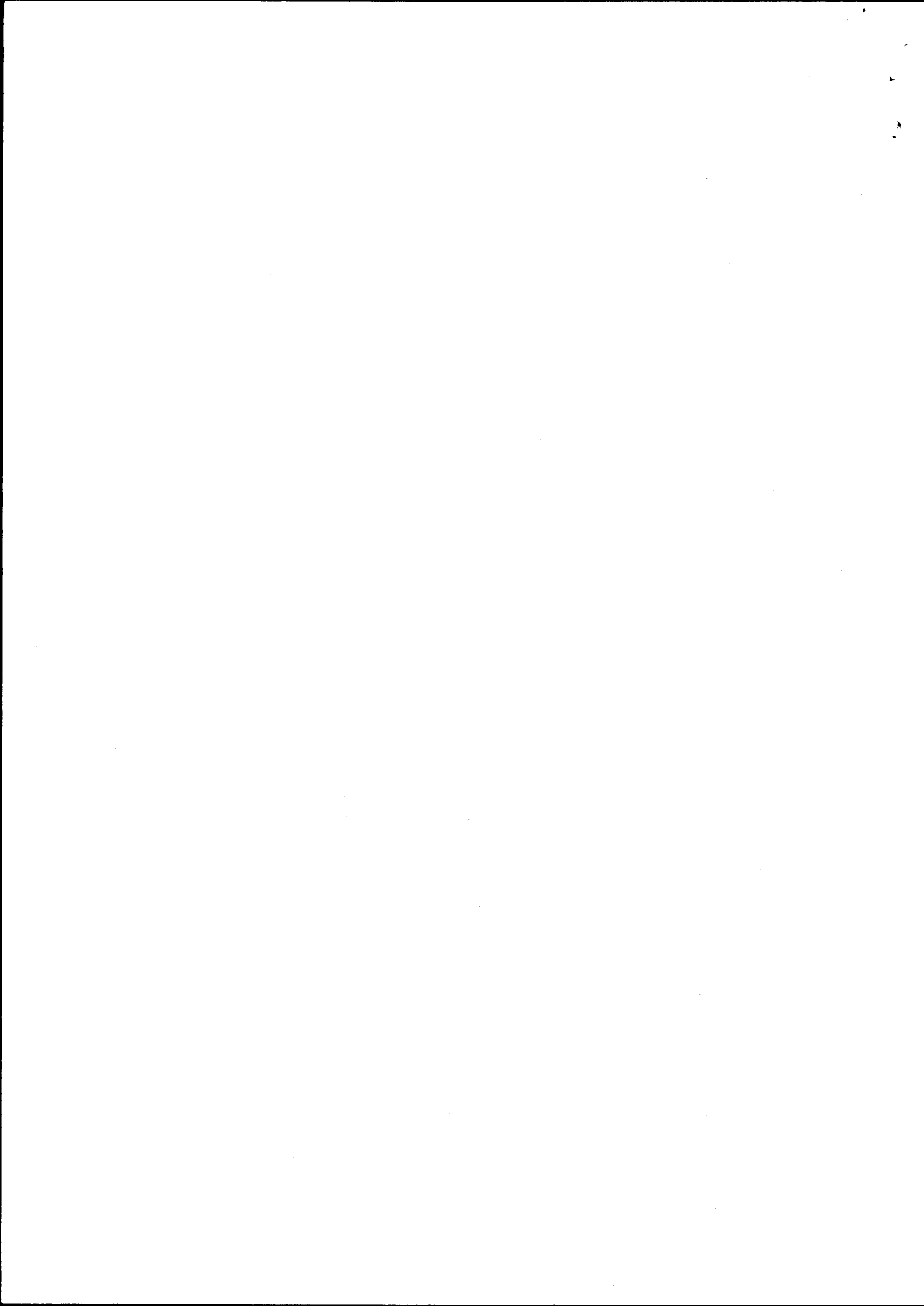
Existing consent at the site Garnswllt WwTW is BOD =25 mg/l, SS = 30 mg/l, Amm-N = 5 mg/l.

As a result of modelling of the Amman Valley catchment there was a need to provide a substantial volume of storm storage at the site. To reduce the need for the storage, and the operational problems that large volumes of storage would impose a process based solution has been developed.

The FFT of the works has been increased from 288 l/s to 360 l/s by various hydraulic modifications and the addition of an extra final tank.

The modelling of the river water quality has suggested that the revised consent would be BOD = 25 mg/l, SS = 30 mg/l, Amm-N = 3 mg/l.

In addition there has been an AMP3 driver for nutrient stripping that has resulted in the need for total P reduction to 2.0 mg/l during winter months and 0.5 mg/l in the summer months.



Flows and Loads Sheet

Site Garnswilt

Flows

Dry Weather Flow (DWF)	13132.0 m ³ /d	152.0 l/s
Average Flow	16415.0 m ³ /d	190.0 l/s
Full Flow to Treatment	31104.0 m ³ /d	360.0 l/s
Formula A	58579.0 m ³ /d	678.0 l/s

Loads

Average Crude Biochemical Oxygen Demand (BOD)	1916.0 kg/d
Average Crude Suspended Solids	2235.4 kg/d
Average Crude Ammonia	223.5 kg/d

Contribution

Description	Pop.	Flow m3	BOD kg	TSS kg	Amm kg
		person.d	person.d	person.d	person.d
Resident	31934	0.18	0.06	0.07	0.007
Tourists	0	0.12	0.04	0.05	0.006
Day Visitors	0	0.025	0.02	0.02	0.003
Industrial		11.7	0	0	0
Infiltration ⁽¹⁾		73.6	0	0	0

Footnotes

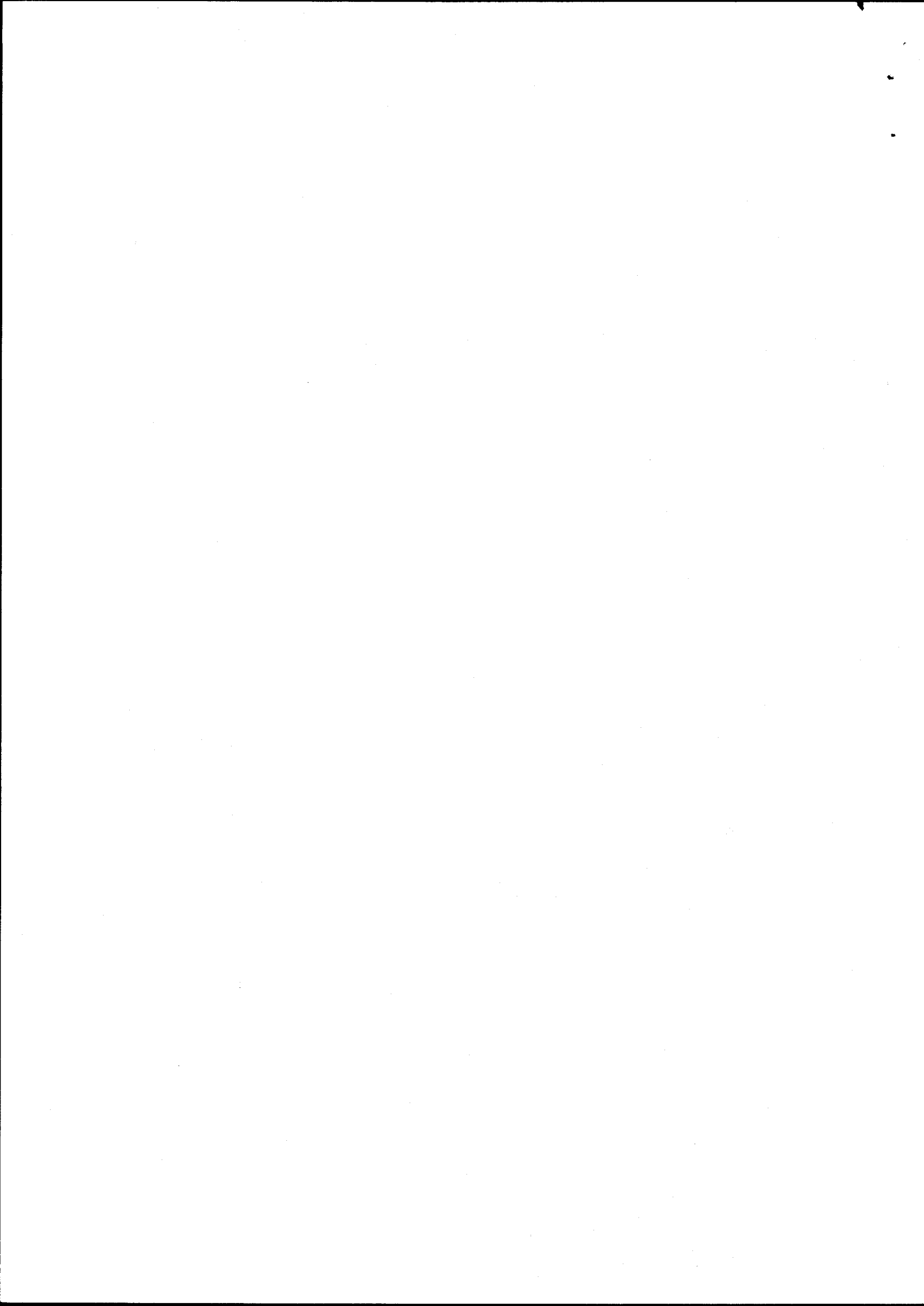
(1) Estimate from flow and load report

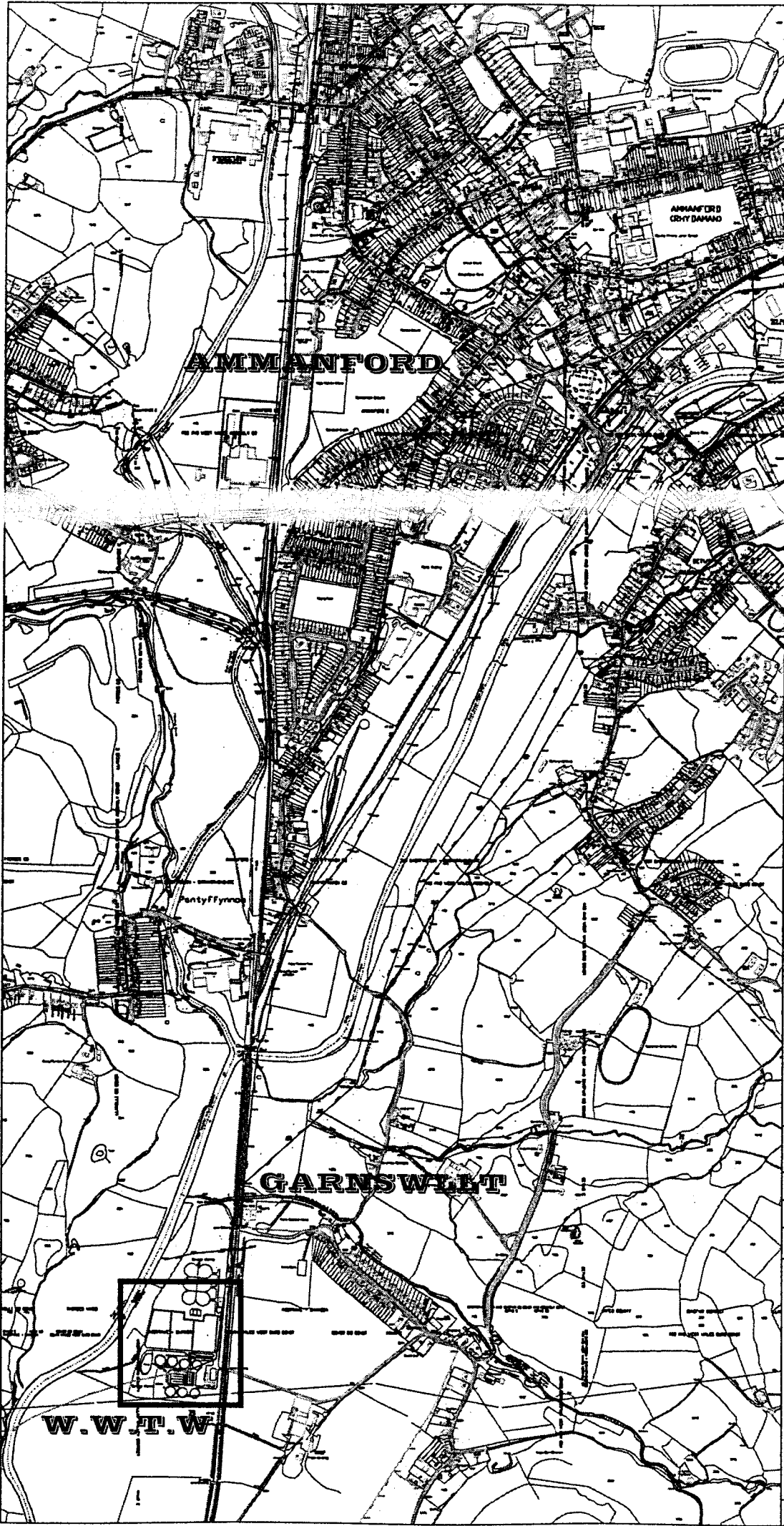
DWF = PG+I+E (P = population G = consumption I = Infiltration and E = Industrial)

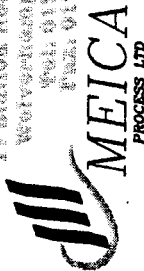

Average Flow = 1.25xDWF

3DWF = 3PG+I+3E

Formula A = 1.36P+DWF+2E





<p>17 Waterloo Road, Four Avenues Wolverhampton, WV10 7SS Tel: 01902 781116 Fax: 01902 781172</p>  <p>MEICA PROCESS LTD</p>		<p>Project Code C777</p>		<p>Drawing No. C742/2014</p>		<p>Issue A</p>	
<p>GARNSWLLT W.W.T.W.</p>		<p>DWR CYMRU WELSH WATER</p>		<p>LOCATION PLAN</p>		<p>PROJECT TITLE</p>	
<p>Client</p>		<p>Partnerfield Prosesu Dwr WATER PROCESS partners</p> 		<p>Title</p>		<p>LOCATION PLAN</p>	
<p>Scale</p>		<p>N.T.S.</p>		<p>Datum</p>		<p>DATE</p>	
<p>Issue</p>		<p>A</p>		<p>Auth. Ckd. Appd.</p>		<p>Date</p>	
<p>FRST ISSUE</p>		<p>M.R. 23/10/02</p>		<p>Date</p>		<p>23/10/02</p>	



5.0 BRIEF PROCESS DESCRIPTION

The works at Garnswllt comprises storm separation at the inlet works, as the FFT rises to 360 l/s a control penstock limits further flow forward to treatment and the excess spills to storm.

The storm screen is an automatic raked bar screen having 10mm bar spacing, Longwood No 96529041.

Storm storage is provided by 2 off 22m dia tanks fitted with half bridge scrapers and having a total storage volume of 2820 m³.

A sample point is provided to physically sample any spills from the storm tanks.

Duty/standby storm return pumps are rated at 24 l/s and arranged to return the storm tank contents once the incoming flow has dropped at least 24 l/s below the FFT limit of 360 l/s.

The pumps discharge into the inlet channel prior to the modulating penstock.



**THE LONGWOOD ENGINEERING
COMPANY LIMITED**

**PARKWOOD MILLS
LONGWOOD
HUDDERSFIELD
HD3 4TP
WEST YORKSHIRE
ENGLAND**

**TELEPHONE
(01484) 642011**

Transmission
No.

**TELEFAX
(01484) 642935**

**EMAIL
email@longwoodengineering.co.uk**

SENDER: JEFF PIERSON

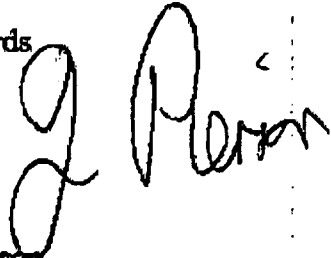
TO	MEICA PROCESS	DATE	29 October 2002	PAGE 1 OF 1
FAO	MARTYN ROBINSON	OUR REF	8929	
FAX NO	01267 221167	YOUR REF		

GARNSWLLT W.w.T.W.



If the revised storm flow is now 318 litres/second i.e. an increase of 10% then the existing screen should be satisfactory under the revised operating conditions.

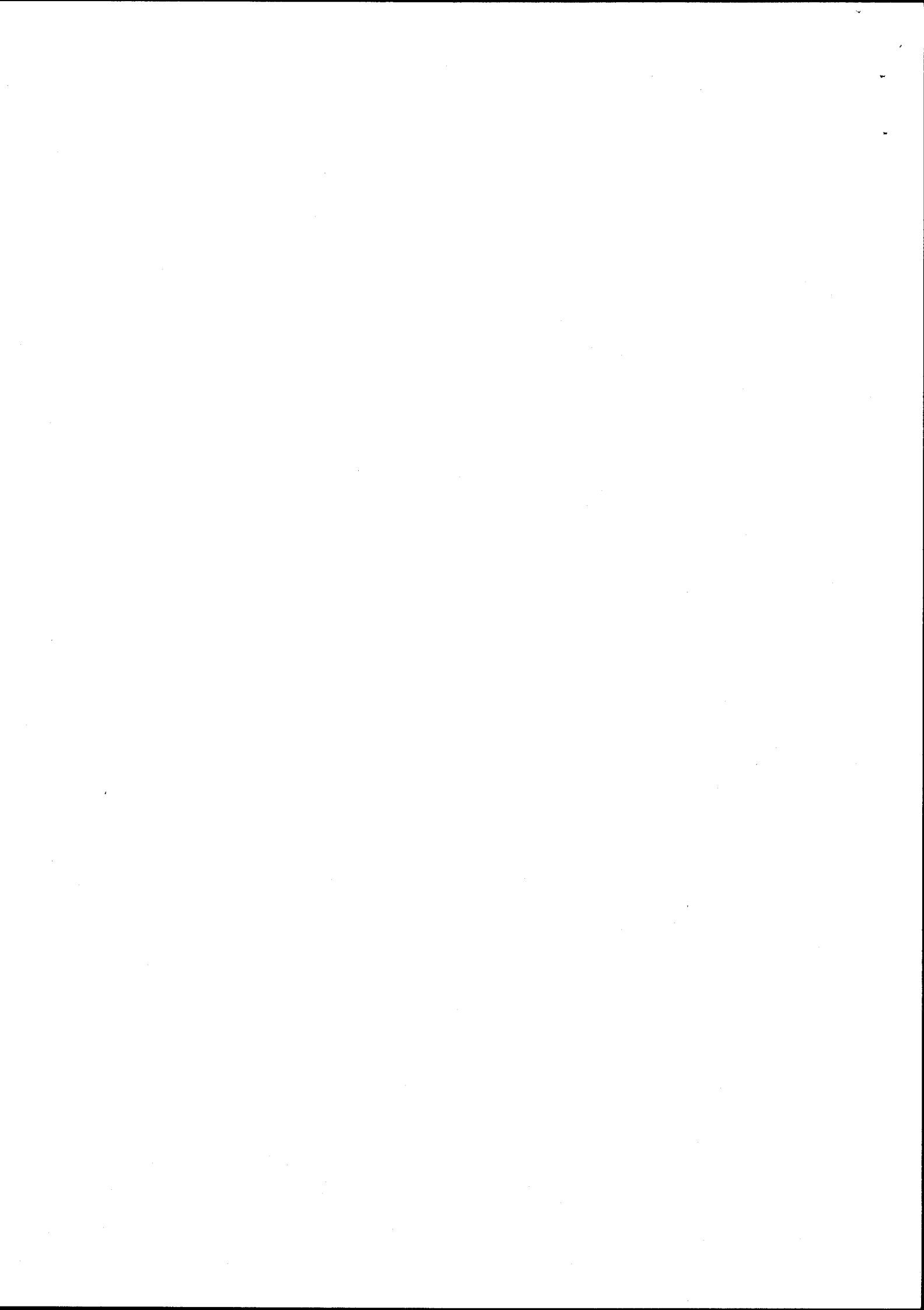
The headloss would be approximately 75mm assuming a clean grid.

Regards



J Pierson
Sales Engineer

		DATE	
MEICA PROCESS		29 OCT 2002	
CAMARTHEN OFFICE			
INIT	Copy	Info	Action
			



Event Name	Spill Volume (m ³)	Max. Spill (m ³ /s)	Duration (mins)
amman1	8266.2000	0.1130	1530
amman10	1730.7000	0.1030	565
amman100	0.0000	0.0000	0
amman11	3099.9000	0.1070	740
amman12	1903.8000	0.1110	450
amman13	1596.6000	0.1070	385
amman14	2355.3000	0.1020	615
amman15	3831.6000	0.1080	940
amman16	1275.6000	0.1010	330
amman17	201.9000	0.0700	115
amman18	3025.5000	0.1060	725
amman19	2386.2000	0.0990	595
amman2	7485.6000	0.1110	1410
amman20	597.3000	0.0930	225
amman21	1987.8000	0.0940	780
amman22	1151.7000	0.1000	510
amman23	751.2000	0.0820	475
amman24	2285.4000	0.1020	805
amman25	547.2000	0.0880	225
amman26	0.0000	0.0000	0
amman27	0.0000	0.0000	0
amman28	2477.4000	0.0870	710
amman29	3054.6000	0.1000	935
amman3	5184.0000	0.1110	1140
amman30	0.0000	0.0000	0
amman31	921.0000	0.0990	290
amman32	441.3000	0.0790	220
amman33	3127.8000	0.1010	1110
amman34	59.4000	0.0240	95
amman35	1615.2000	0.0980	795
amman36	2503.2000	0.1020	560
amman37	819.0000	0.0970	280
amman38	493.8000	0.0910	220
amman39	663.0000	0.0420	515
amman40	1359.0000	0.0720	845
amman41	0.0000	0.0000	0
amman42	0.0000	0.0000	0
amman43	0.0000	0.0000	0
amman44	2299.5000	0.1030	730
amman45	0.0000	0.0000	0
amman46	0.0000	0.0000	0
amman47	1201.8000	0.0800	425
amman48	0.0000	0.0000	0
amman49	1296.0000	0.1010	380
amman5	2101.2000	0.1150	445
amman50	0.0000	0.0000	0
amman51	0.0000	0.0000	0
amman52	844.5000	0.0890	415
amman53	0.0000	0.0000	0
amman54	0.0000	0.0000	0
amman55	0.0000	0.0000	0
amman56	0.0000	0.0000	0
amman57	6.6000	0.0070	35
amman58	922.2000	0.0830	360



amman59	0.0000	0.0000	0
amman6	5966.7000	0.1190	1350
amman60	0.0000	0.0000	0
amman61	727.5000	0.0860	320
amman62	0.0000	0.0000	0
amman63	0.0000	0.0000	0
amman64	0.0000	0.0000	0
amman65	0.0000	0.0000	0
amman66	0.0000	0.0000	0
amman67	0.0000	0.0000	0
amman68	0.0000	0.0000	0
amman69	0.0000	0.0000	0
amman7	1983.9000	0.1040	460
amman70	0.0000	0.0000	0
amman71	0.0000	0.0000	0
amman72	0.0000	0.0000	0
amman73	0.0000	0.0000	0
amman74	0.0000	0.0000	0
amman75	0.0000	0.0000	0
amman76	0.0000	0.0000	0
amman77	0.0000	0.0000	0
amman78	0.0000	0.0000	0
amman79	0.0000	0.0000	0
amman8	3731.4000	0.1060	935
amman80	0.0000	0.0000	0
amman81	0.0000	0.0000	0
amman82	0.0000	0.0000	0
amman83	0.0000	0.0000	0
amman84	0.0000	0.0000	0
amman85	0.0000	0.0000	0
amman86	0.0000	0.0000	0
amman87	0.0000	0.0000	0
amman88	0.0000	0.0000	0
amman89	0.0000	0.0000	0
amman9	401.1000	0.0870	175
amman90	0.0000	0.0000	0
amman91	0.0000	0.0000	0
amman92	0.0000	0.0000	0
amman93	0.0000	0.0000	0
amman94	0.0000	0.0000	0
amman95	0.0000	0.0000	0
amman96	0.0000	0.0000	0
amman97	0.0000	0.0000	0
amman98	0.0000	0.0000	0
amman99	0.0000	0.0000	0

Total No. of Spills = 43





DŵR CYMRU
WELSH WATER

Trade Effluent Licence: SW229

Owner's Name:	Bubbles Coin Wash	Trader's Name:	Bubbles Coin Wash
Owner's Address:	Pontawel Llanddzwel Road Camarthen Camarthenshire	Trader's Address:	78 Wind Street Ammanford Camarthenshire
SPT:	74755	Contact Name:	
Responsible Officer:		Grid Reference:	
SIC Name:	LAUNDERETTE	Consent Granted:	01 November 1993
Name of Division:	South West	Current Var/Dir:	
Name of STW:	GARNSWLLT	Consent Closed:	
Hydro. Ref. Point:	0	Consent Revoked:	
		Hydro. Distance:	0

**Discharge
Description:**

Consent Comments:

Chemical:	Amount:	Units:
Anionic Detergent (Det Code 461)	100	mg/Litre
Oil and Grease (Det Code 666)	50	mg/Litre
Total Suspended Solids (Det Code 136)	500	mg/Litre

Volume	VolumeUnits	Rate	RateUnits	PeriodFrom	PeriodTo	pHLowerID	pHUpperID
13	m3/Day	1	m3/Hr			6	10





DWR CYMRU
WELSH WATER

Trade Effluent Licence: SW310

Owner's Name:	Franks Ice-Cream Ltd	Trader's Name:	Franks Ice-Cream Ltd
Owner's Address:	Capel Hendre IE Ammanford Camarthenshire	Trader's Address:	Capel Hendre IE Ammanford Camarthenshire
SPT:	74805	Contact Name:	
Responsible Officer:		Grid Reference:	
SIC Name:	FOOD INDUSTRY	Consent Granted:	26 September 1997
Name of Division:	South West	Current Var/Dir:	
Name of STW:	GARNSWLLT	Consent Closed:	
Hydro. Ref. Point:	0	Consent Revoked:	
Discharge Description:		Hydro. Distance:	0
Consent Comments:			

Chemical:	Amount:	Units:
Free Chlorine (Det Code)	0.1	mg/Litre
Sulphate (Det Code 183)	1000	mg/Litre
Oil and Grease (Det Code 666)	50	mg/Litre
Total Suspended Solids (Det Code 135)	400	mg/Litre

Volume	VolumeUnits	Rate	RateUnits	PeriodFrom	PeriodTo	pHLowerID	pHUpperID
272.B	m3/Day	0.4	Litre/sec			5	10





DŵR CYMRU
WELSH WATER

Trade Effluent Licence: SW458

Owner's Name:	Novelearth Ltd	Trader's Name:	Novelearth Ltd
Owner's Address:	Wemos Works Heol Ddu Tycoes, Ammanford West Glamorgan SA18 3SP	Trader's Address:	Wemos Works (Old Plant) Heol Ddu, Tycoes Ammanford West Glamorgan SA18 3SP
SPT:	30446	Contact Name:	
Responsible Officer:		Grid Reference:	
SIC Name:	ELECTROPLATING	Consent Granted:	12 August 1983
Name of Division:	South West	Current Var/Dir:	01 July 1987
Name of STW:	GARNSWLLT	Consent Closed:	
Hydro. Ref. Point:	0	Consent Revoked:	
		Hydro. Distance:	0

Discharge Description:

Consent Comments:

Chemical:	Amount:	Units:
COD Total (Det Code 92)	1000	mg/Litre
Total Suspended Solids (Det Code 135)	500	mg/Litre
Sulphate (Det Code 183)	1000	mg/Litre
Oil and Grease (Det Code 666)	50	mg/Litre
Cyanide - Total (Det Code 175)	2	mg/Litre
Cadmium (Det Code 253)	0.1	mg/Litre

Volume	VolumeUnits	Rate	RateUnits	PeriodFrom	PeriodTo	pHLowerID	pHUpperID
68	m ³ /Day	13.6	m ³ /Hr			6	10



Trade Effluent Licence: SW457



DŵR CYMRU
WELSH WATER

Owner's Name:	Novel earth Ltd	Trader's Name:	Novel earth Ltd
Owner's Address:	Wemos Works Heol Ddu, Tycroes Ammanford West Glamorgan SA18 3SP	Trader's Address:	Wemos Works (New Plant) Heol Ddu, Tycroes Ammanford West Glamorgan SA18 3SP
SPT:	74533	Contact Name:	
Responsible Officer:		Grid Reference:	
SIC Name:	ELECTROPLATING	Consent Granted:	12 August 1983
Name of Division:	South West	Current Var/Dir:	01 July 1987
Name of STW:	GARNSWLLT	Consent Closed:	
Hydro. Ref. Point:	0	Consent Revoked:	
		Hydro. Distance:	0

Discharge Description:

Consent Comments:

Chemical:	Amount:	Units:
COD Total (Det Code 92)	1000	mg/Litre
Total Suspended Solids (Det Code 135)	500	mg/Litre
Sulphate (Det Code 183)	1000	mg/Litre
Oil and Grease (Det Code 686)	50	mg/Litre
Cyanide - Total (Det Code 175)	2	mg/Litre
Cadmium (Det Code 253)	0.1	mg/Litre

Volume	VolumeUnits	Rate	RateUnits	PeriodFrom	PeriodTo	pHLowerID	pHUpperID
68	m ³ /Day	9.1	m ³ /Day			6	10





DŵR CYMRU
WELSH WATER

Trade Effluent Licence: SW231

Owner's Name:	Dinefwr Borough Council	Trader's Name:	Wernddu Waste Disposal Site
Owner's Address:	Glanamman Managed Workshops Tabernacle Road Ammanford Camarthenshire SA14 2YB	Trader's Address:	Wernddu Road Ammanford Camarthenshire
SPT:	74761	Contact Name:	
Responsible Officer:		Grid Reference:	
SIC Name:	LANDFILL LEACHATE	Consent Granted:	01 February 1994
Name of Division:	South West	Current Var/Dir:	
Name of STW:	GARNSWLLT	Consent Closed:	
Hydro. Ref. Point:	0	Consent Revoked:	
		Hydro. Distance:	0

Discharge Description:

Consent Comments:

Chemical:	Amount:	Units:
Ammonia (Det Code 111)	150	mg/Litre
Sulphate (Det Code 183)	1000	mg/Litre
Oil and Grease (Det Code 666)	50	mg/Litre
Total Suspended Solids (Det Code 135)	500	mg/Litre

Volume	VolumeUnits	Rate	RateUnits	PeriodFrom	PeriodTo	pHLowerID	pHUpperID
432	m3/Day	5	Litre/sec			6	10

copy sent to SO MERRY 04.07.02



**DWR CYMRU CYFYNGEDIG
WATER INDUSTRY ACT 1991**

**CONDITIONAL CONSENT TO THE DISCHARGE
OF TRADE EFFLUENT TO THE PUBLIC SEWER**

TO: ENVIRONMENT AGENCY WALES

the Owner and/or Occupier of the trade premises (hereinafter called "the Occupiers") whose registered office is situated at **GLANTAWE, 154 ST. HELENS RD, SWANSEA**

RECITALS

1. **The 15th August 2001** you applied for consent under Section 119 of the Water Industry Act 1991 for consent to discharge trade effluent from the following trade premises known as **ABERNANT LANDFILL SITE, ABERNANT FARM, HEOLDDU, AMMANFORD** (hereinafter, the Application) and which trade premises are for the purpose of identification only shown on the location plan attached hereto and marked "A" (hereinafter, "the said trade premises").
2. [Reference was made to the Secretary of State for Wales under Section 120 of the Water Industry Act 1991 and his Determination is dated] **N/A**
3. Compliance with the conditions hereunder shall be ascertained by reference to the method of analysis as from time to time employed by the Undertaker, its servants, agents or contractors, save where the said condition(s) otherwise expressly provide(s) **DWR CYMRU CYFYNGEDIG** ("the Undertaker) in the exercise of its powers under Section 121 of the Water Industry Act 1991, and thinking it fit to impose conditions as hereinafter appear, **GIVES ITS CONSENT** to the discharge of trade effluent from the said trade premises into the Undertaker's public sewers, **SUBJECT TO THE FOLLOWING CONDITIONS AND NOT OTHERWISE**
 - (1) The public sewer into which the trade effluent may be discharged is the **450 mm** more particularly identified by means of a line coloured **RED** drawn on the plan attached hereto and marked "B".
 - (2) The discharge of trade effluent shall be made at the point marked "X" on the said plan and the said trade effluent shall enter into the public sewer shown on



the said plan at the point marked "Y" thereon and not otherwise. Further, no connection, linkage, conduit, pipe, channel or other communication whatsoever shall be made to the said sewer between the said points "X" and "Y" without the prior approval in writing of the Undertaker.

- (3) The trade effluent to be discharged shall consist solely that which is specified in the Application and derived exclusively from **tip leachate**
- (4) Without prejudice to condition 3 above, the nature and/or composition of the trade effluent which may be discharged is as specified in the **FIRST SCHEDULE** hereto.
- (5) The trade effluent shall not include any of the substances or properties listed in the **SECOND SCHEDULE** hereto in concentration greater than stated therein.
- (6) The maximum quantity of trade effluent discharged on any day (being any continuous 24 hour period) shall not exceed **151** cubic metres.
- (7) The highest rate at which trade effluent may be discharged shall not exceed **7** litres per second
- (8) The trade effluent may be discharged into the public sewer between **2300 hr** and **0500hr**.
- (9) No uncontaminated condensing water shall be discharged.
- (10) There shall be eliminated from the trade effluent before it is discharged the matters listed below:
 - (a) Effluent with a temperature in excess of **43° Celsius (110° Fahrenheit)**;
 - (b) **Calcium Carbide**;
 - (c) **Petroleum Spirit** within the meaning of Section 111 of the Water Industry Act 1991 and/or the Petroleum Act 1928, save as otherwise permitted herein;
 - (d) **Other material** forming a constituent of the trade effluent, whether alone



or in combination with other materials, specified hereby as that which is explosive;

- (e) Any other substance forming a constituent of the trade effluent which is hereby specified as that which is likely to injure the sewers or to interfere with the free flow of their contents or to affect prejudicially the treatment and disposal of their contents;
 - (f) Any other substance forming a constituent of the trade effluent which is hereby specified as that which in its pure state or in combination with other materials in the contents of the sewer(s) ("the sewage") is capable of producing toxic or flammable vapours.
- (11) No trade effluent shall be discharged the pH value of which is less than 6.0 or greater than 10.0.
- (12) No trade effluent shall be discharged the nature or composition of which includes a matter, substance, property or matters, substances or properties which would constitute the trade effluent as Special Category Effluent within the meaning of Section 138 of the Water Industry Act 1991.
- (13) The Occupier shall give to the Undertaker prior written notice of any change in the process of manufacture, materials, or other circumstances howsoever arising capable of altering the nature and/or composition of the trade effluent. No new substances or properties shall be discharged until the Undertaker has agreed thereto, either with or without imposing a limit and thereafter the said substance(s) and/or property(ies) shall be deemed incorporated into the SECOND SCHEDULE.
- (14) An inspection chamber or manhole shall be provided and maintained by the Occupier in a suitable position and/or at the point(s) marked "X" on the plan annexed hereto in connection with each pipe through which the trade effluent is discharged and such inspection chamber or manhole shall be constructed and maintained in accordance with the Undertaker's reasonable requirements as from time to time notified in writing to the occupier so as to enable a person readily at any time to take samples of the trade effluent being discharged.



- (15) A notch gauge, continuous recorder or some other apparatus suitable and adequate to the Undertaker for measuring and automatically recording the volume and rate of trade effluent so discharged shall be provided, such apparatus to be tested and maintained in accordance with the Undertaker's reasonable requirements as from time to time notified in writing to the Occupier.
- (16) Apparatus capable of accurately determining, measuring and recording the nature and/or composition of the trade effluent discharged shall be provided, such apparatus to be tested and maintained in accordance with the Undertaker's reasonable requirements as from time to time notified in writing to the Occupier.
- (17) The Occupier shall keep records of the volume, rate, nature and/or composition of the trade effluent discharged into the sewer(s) at all times available for inspection by any authorised officer of the Undertaker and copies of such records shall be sent to the Undertaker on demand.
- (18) (a) The Occupier shall pay to the Undertaker charges for the reception, conveyance, treatment and disposal of the trade effluent and the costs of sampling, measuring and/or analysis of the same under the Undertaker's trade effluent's functions, which charges shall be determined as set out below, and all sums payable under this condition shall be payable upon demand;
- (b) The charges under (a) above shall be calculated in accordance with Undertaker's Scheme of Charges as from time to time amended;
- (c) For the avoidance of doubt, the charge shall be payable by any person who is or was the Occupier of the said trade premises during the period of discharge of the trade effluent or at the time payment is due.
- (19) If the notch gauge, meter, recorder or other apparatus ceases to record or is suspected of not recording and/or measuring accurately, the quantity of trade effluent discharged into the sewer(s) during the period from the date and/or time at which the records were last accepted by the Undertaker as being correct up to the date when the notch gauge, meter, recorder or other apparatus again registers accurately shall for the purpose of any payment to be made under



these conditions be based on the average daily volume of trade effluent discharged during the preceding period over which the records were last accepted by the Undertaker as being accurate or during the month immediately after the notch, gauge, meter, recorder or other apparatus or means of measurement and recording has been accurate whichever is the higher.

YOUR RIGHT OF APPEAL

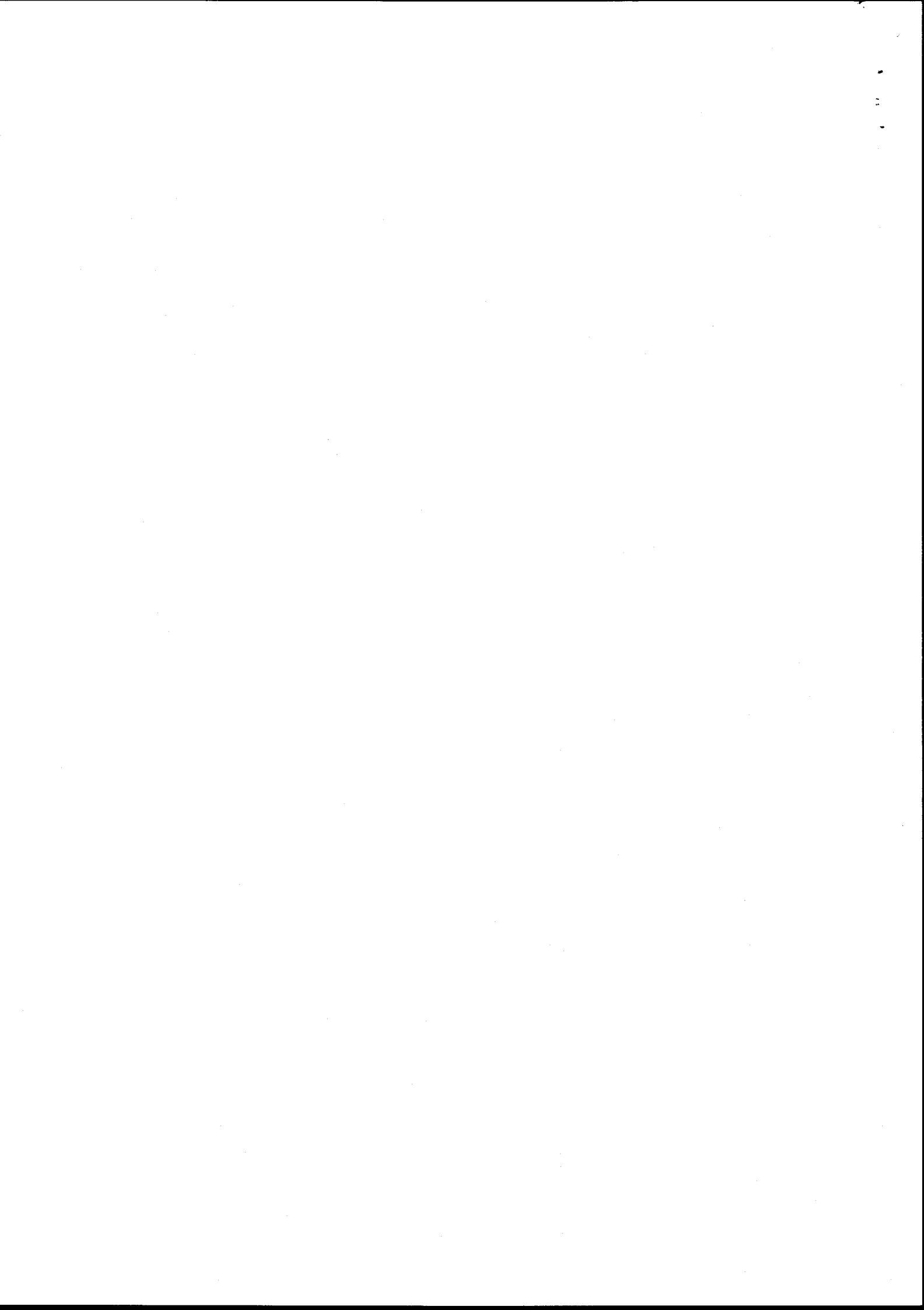
Any person aggrieved by:-

The refusal of a Sewage Undertaker to give consent for which application has been made to the Undertaker under Section 119 of the Water Industry Act 1991; or

Any condition attached by a Sewage Undertaker to such consent may appeal to the Director General of Water Services at Centre City Tower, 7 Hill Street, Birmingham B5 4UA ;

On an appeal in respect of a refusal to give consent, the Director may give the necessary consent either unconditionally or subject to such conditions as he thinks fit to impose.

On an appeal in respect of a condition the Director may take into review all the conditions whether appealed against or not and may substitute for them any other set of conditions (whether more or less favourable to the Appellant) or annul any of the conditions and may include provision as to the charges to be made in pursuance of any condition attached to a consent for any period before the determination of the appeal. On any appeal the Director may give direction that the trade effluent shall not be discharged until a specified date.



FAILURE TO COMPLY WITH CONDITIONS

If in the case of any trade premises a condition is contravened, the Occupier of the premises will be guilty of an offence and liable on conviction by a Magistrates' Court to a fine not exceeding the statutory maximum or on conviction by the Crown Court to an unlimited fine.

DATED 15th February 2002

For and on behalf of the Company

Dwr Cymru Cyf
Pentwyn Road
Nelson
Treharris
Caerphilly



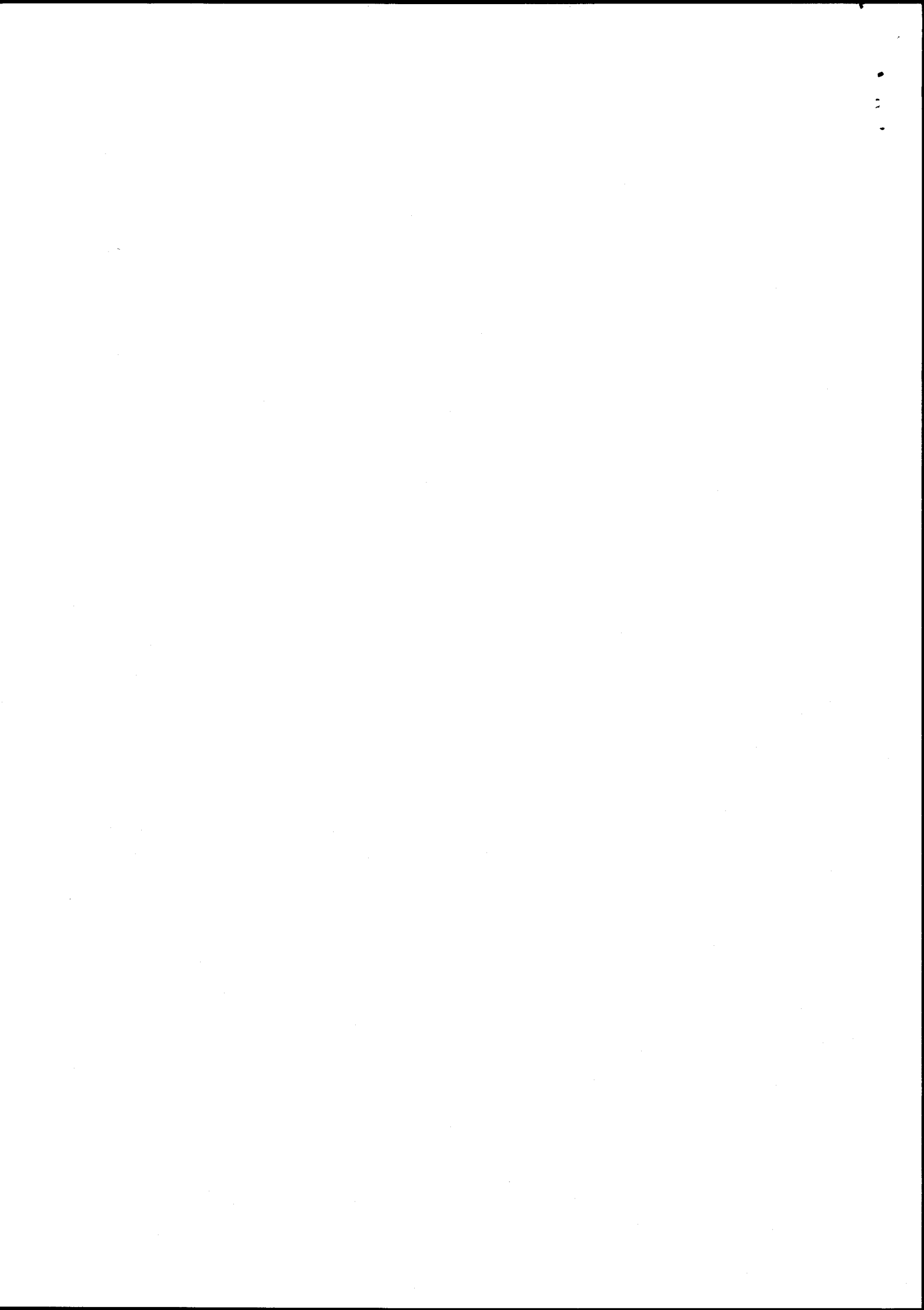
SCHEDULE ONE

Nature and composition

The Trade Effluent may contain the following substances:-

Water (including such elements, compounds and organisms normally present in water at trace or harmless levels and not exceeding such level as may be imposed by any Regulations for the time being regulating the quality of drinking water).

1. Ammoniacal nitrogen.
2. Suspended solids.
3. Sulphate.
4. Oil and grease.
5. Chromium.
6. Copper.
7. Lead.
8. Nickel.
9. Zinc.
10. Iron
11. Tin
12. Aluminium
13. Sulphide

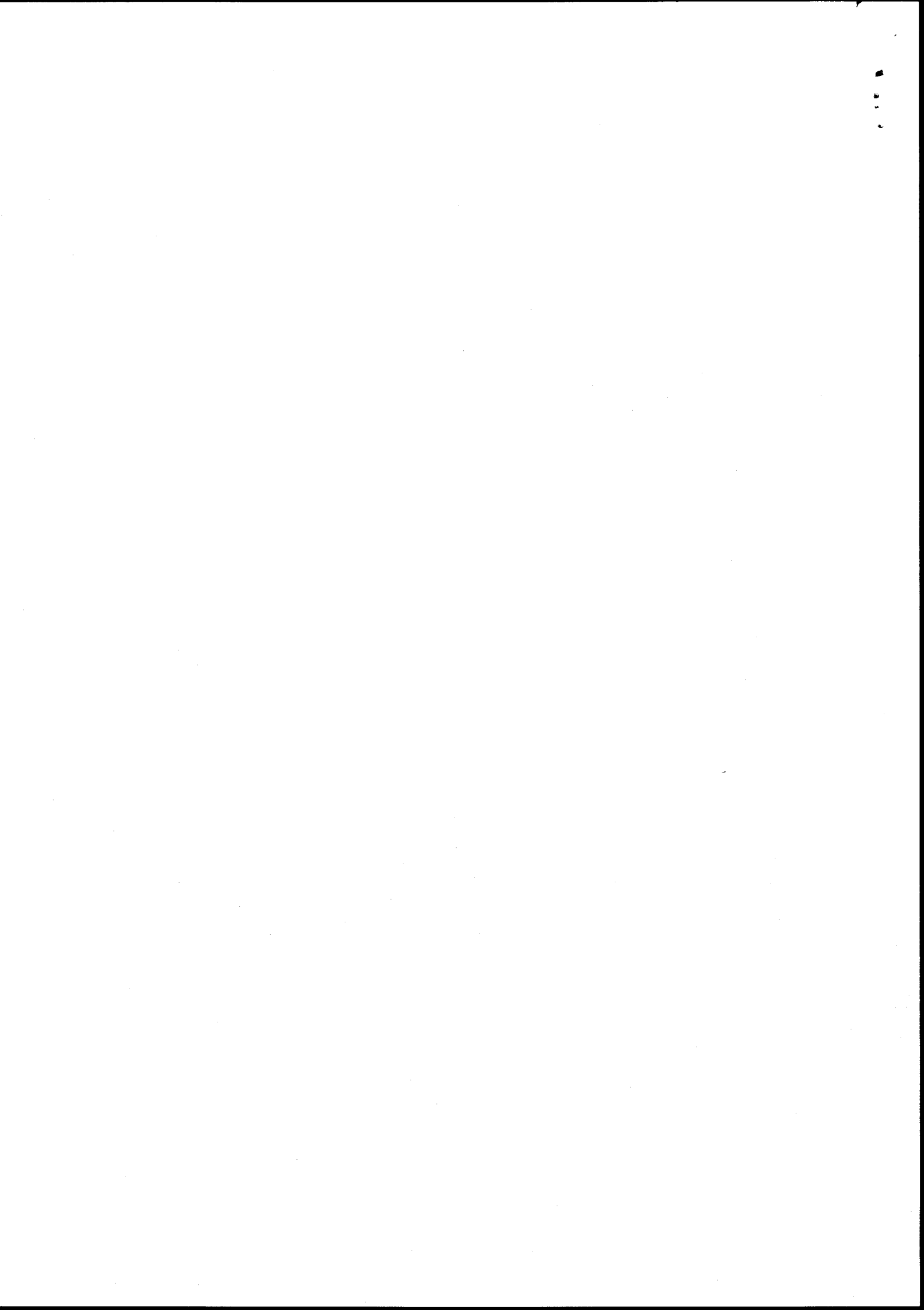


14.Arsenic



SCHEDULE TWO

1. Total suspended solids shall not exceed 100 milligrams per litre.
2. Total free and/or emulsified oil and grease shall not exceed 50 milligrams per litre.
3. Total sulphate shall not exceed 1000 milligrams per litre (expressed as SO₄).
4. The chemical oxygen demand of the effluent after one hour quiescent settlement shall not exceed 300 milligrams per litre.
5. The 5 day biochemical oxygen demand determined at 20 degrees Celsius after suppression of nitrification using allyl thiourea shall not exceed 200 milligrams per litre.
6. Total ammoniacal nitrogen shall not exceed 150 milligrams per litre (expressed as N).
Total load of ammoniacal nitrogen discharged in any one day (being a continuous 24 hour period) shall not exceed 15.1 kilograms (expressed as N)
7. Total chromium shall not exceed 2 milligrams per litre.
8. Total copper shall not exceed 2 milligrams per litre.
9. Total lead shall not exceed 2 milligrams per litre.
10. Total nickel shall not exceed 2 milligrams per litre.
11. Total zinc shall not exceed 2 milligrams per litre
12. Total aluminium shall not exceed 10 milligrams per litre
13. Total tin shall not exceed 3 milligrams per litre
14. Total arsenic shall not exceed 3 milligrams per litre.
15. Total sulphide or compounds producing hydrogen sulphide on acidification shall not exceed 1 milligram per litre.





From: Trevor West
To: Ford Hilary
Date: 3/5/03 10:37am
Subject: RE: Amman AMP3 Scheme

Many thanks.

>>> Ford Hilary <hilary.ford@dwrcymru.com> 05/03/03 10:33:12 >>>
I will chase up the CSO queries. I agree to the extension of BC000601 and BW1404301 until 31st March.

-----Original Message-----

From: Trevor West [<mailto:trevor.west@environment-agency.wales.gov.uk>]
Sent: 05 March 2003 10:26
To: hilary.ford@dwrcymru.com
Subject: Amman AMP3 Scheme

Morning Hilary!

No response received as yet on the CSO queries.

Additionally, can you please confirm agreement to extend BC0006801 (Garnswllt STW FE) and BW1404301 (Garnswllt STW Storm) until 31st March.

Many thanks,
Trev

Trevor West
Water Quality Regulatory Officer
01792 645300 Ext. 3557
trevor.west@environment-agency.wales.gov.uk

>>> Ford Hilary <hilary.ford@dwrcymru.com> 28/02/03 10:38:04 >>>
I have forwarded your queries to the partners for comment. Expect a reply from Rob McTaggart.

-----Original Message-----

From: Trevor West [<mailto:trevor.west@environment-agency.wales.gov.uk>]
Sent: 26 February 2003 19:24
To: hilary.ford@dwrcymru.com
Subject: Amman AMP3 Scheme - CSOs 32 & 38 applications

Hilary,

These are the Amman conundrums for you!

CSO 32/ DC2100318

This asset is down for abandonment in the Phase 3 report, confirmed by an end-of-yr2 Summary table you produced indicating revocation required (although it hasn't been).

CSO 38/ DC2100301

Phase 3 states an attenuation volume of 496m³ will be required, whereas the application I've received states 443m³ to be constructed. PFF is identical - 275 l/s. Additionally, the P3 refers to a previous outfall relocation to the main R Amman, and the application also states main river - yet discharge point NGR of SN 62517 10519 and plan accompanying appl indicate discharge to trib of Amman.



Can you shed any light? This scheme has been notorious for the Phase 3 being inaccurate! As we concurred earlier, we really need a robust version of the Phase 3 report that can be confidently held up as the agreed scheme solution.

Thanks,
Trev

Trevor West
Water Quality Regulatory Officer
01792 645300 Ext. 3557
trevor.west@environment-agency.wales.gov.uk

Mae'r neges hon yn gyfrinachol gan ei bod yn cynnwys gwybodaeth am y sawl rydym yn ei hanfon ato/ati. Os cawsoch chi'r neges hon drwy gamgymeriad, dilewch hi a pheidiwch ag anfon copi at neb arall os gwelwch yn dda.

Os yw'r neges hon yn cynnwys gwybodaeth yr ydych wedi gofyn amdani oddi wrthym, edrychwch ar ein hysbysiad safonol os gwelwch yn dda i gael manylion ynghylch sut y cewch chi ddefnyddio'r wybodaeth honno. Os nad yw'r hysbysiad ynghlwm a bod angen copi arnoch, ffoniwch 0845 9333111 a gofyn am ein cyswllt cwsmeriaid.

I gael rhagor o wybodaeth am Asiantaeth yr Amgylchedd Cymru, ffoniwch y rhif uchod neu edrych ar ein safle ar y we
<http://www.asiantaeth-amgylchedd.cymru.gov.uk>

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CC: Barry Williams

