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 BG0024501

Nature of Discharge(s); SEWAGE EFF/TREATED EFF/CONTINUOUS
at
ST CLEARS 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:**.....
(to be completed when signing on behalf of corporate bodies)

JWE/5/96

BG 00245 01

Welsh Off Ref		Form SS.RW2	WWA HQ Ref	RW/0524/T/1

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

BG 00245 01

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 :

ST CLEARS SEWAGE TREATMENT WORKS

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

THE EXISTING OUTLET is to : the Afon Taf

at National Grid Reference : SN 2820 1495

and has been shown marked : Discharge Point

on the attached Plan, No. : RW/0524/T/1

THE PREVIOUS CONSENT was : the Consent , Reference No. -

granted on : 3rd July 1962

by : South West Wales River Board

to : Carmarthen Borough Council

The Authority submitted this Notification of Variation on : 30th March 1983 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 : 30th June 1983

CONDITIONS

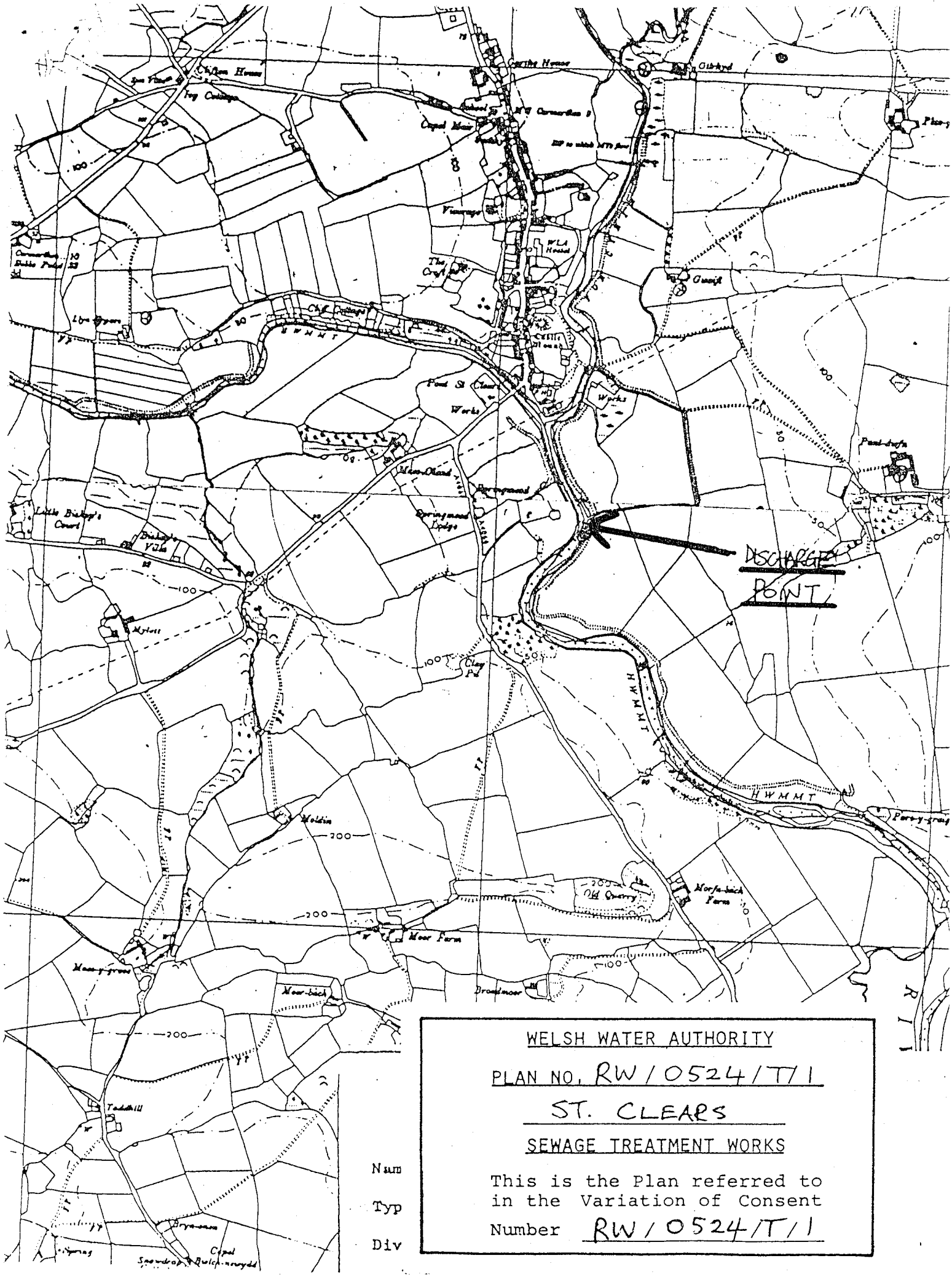
1. The discharge shall consist only of treated sewage effluent from the above works.
2. The quality and quantity of effluent shall not exceed the following maximum values:

Determinand	Value	Unit
Biochemical Oxygen Demand (+ATU) over 5 days at 20°C	50	milligrams per litre
Suspended Solids dried at 105°C	70	milligrams per litre
Rate of discharge	12	litres per second
Volume during any period of 24 consecutive hours	1029.6	cubic metres
Volume discharged under 'dry weather conditions' during any period of 24 consecutive hours	393.6	cubic metres

3. Adequate facilities shall be provided for the taking of samples of the effluent at: outlet from humus tanks

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 Thirtieth day of June 1985 .

This Notification is issued by the Directorate of Scientific Services, Headquarters



WELSH WATER AUTHORITY

PLAN NO. RW/0524/T/1

ST. CLEARS

SEWAGE TREATMENT WORKS

This is the Plan referred to in the Variation of Consent Number RW/0524/T/1

Num

Typ

Div

BG0024501
GS 11736
X

REGISTER OF CONDITIONS

IMPOSED UNDER SECTION 7 OF THE RIVERS (PREVENTION OF POLLUTION) ACT, 1951.

CAT. No. R.B.12 SHAW & SONS LTD., FETTER LANE, E.C.4. V7/1

NAME AND ADDRESS OF APPLICANT	DATE OF APPLICATION
Carmarthen Rural District Council	1st May 1961.

DATE ON WHICH CONDITIONS CAME INTO FORCE	FULL ADDRESS OR OTHER SUFFICIENT DESCRIPTION OF LAND OR PREMISES TO WHICH THE CONDITIONS RELATE
3rd July 1962.	St. Clears Sewerage Scheme.

USE OF NEW OR ALTERED OUTLET

CONDITIONS IMPOSED WITH RESPECT TO:-

(I) PRECISE LOCATION OF OUTLET

1 To the bringing into use of a new outlet into the left bank of Afon Taf (O.S.S. Cams. XLV. 1 Field No. 129) and to the making of a new discharge of treated sewage effluent therefrom subject to the following conditions:- (see Nature & composition of discharge).

2 To the bringing into use of two storm water overflows into the Afon Taf and to the making of a new discharge of untreated sewage effluent therefrom.

SN 282 150

(II) CONSTRUCTION OF OUTLET
(OTHER THAN CONDITIONS TO BE SATISFIED BEFORE OUTLET IS BROUGHT INTO USE)

Above normal water level to facilitate sampling.

(III) USE OF OUTLET

(IV) USE OF ANY OTHER OUTLET FOR TRADE OR SEWAGE EFFLUENT FROM THE SAME LAND OR PREMISES

NEW DISCHARGE

CONDITIONS IMPOSED WITH RESPECT TO:-

(I) NATURE AND COMPOSITION OF DISCHARGE

1 The B.O.D. (5 days 20°C) of the effluent not exceeding 20 p.p.m.
2 The suspended matter not exceeding 30 p.p.m.
3 The effluent being well nitrified & containing not less than 10 p.p.m nitrate (as N)
4 The effluent passing the methylene blue stability test (5 days 20°).
5 The pH value being not less than 5 nor more than 9.
6 No effluent other than treated sewage effluent & treated milk wastes to be discharged through the outlet. It should not contain any liquid or solid matter to such an extent as to be injurious to fish or the spawning ground spawn or food of fish.
7 Satisfactory arrangements for the cleaning & maintenance of the sewage treatment plant.

(II) TEMPERATURE OF DISCHARGE

Not exceeding 85°F.

(III) VOLUME OR RATE OF DISCHARGE OF EFFLUENT FROM LAND OR PREMISES

not exceeding 69,500 g.p.d. d.w.f.

1 That flows in excess of 6 x d.w.f. of all the sewer contents be discharged to the river via the two storm water overflows.
2 That 3 x d.w.f. of all the sewer contents to be given full treatment at the works and the remaining 3 x d.w.f. be given settlement only.
3 That storm tanks should be provided at the treatment works in duplicate & having a capacity of ¼ x d.w.f. of all sewer contents & that the contents of these tanks should be returned for full treatment.

REMARKS:-

CONSENT NO.	BG0024501

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:

Secondary Treated Sewage Effluent incorporating the requirements of the Urban Waste Water Treatment Regulations 1994 (UWWTR)

with respect to Consent No. **BG0024501** issued on the 30th day of June 1983

FROM: **ST. CLEARS WASTEWATER TREATMENT WORKS**

AT: **ST. CLEARS, CARMARTHENSHIRE**

TO: **RIVER TAF ESTUARY**

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

Secondary Treated Sewage Effluent	**Schedule No. BG0024501 01**
UWWT Regulations 1994	**Schedule No. BG0024501 01 / U**

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 on the 10th day of March 2005
and takes effect on the 31st day of March 2005

Signed .....

Team Leader – Regulatory Water Quality

Asiantaeth yr Amgylchedd Cymru
"Maes Newydd", Llandarsi, Nedd Port Talbot. SA10 6JQ
Ffon **08708 506 506** Ffacs 01792 325511

Environment Agency Wales
"Maes Newydd", Llandarcy, Neath Port Talbot. SA10 6JQ
Tel **08708 506 506** Fax 01792 325511

CONSENT NO.	BG0024501
SCHEDULE NO.	BG0024501 01
DATE ISSUED	10th March, 2005

ASIANTAETH YR AMGYLCHEDD CYMRU
ENVIRONMENT AGENCY WALES

CONDITIONS OF CONSENT TO DISCHARGE

Secondary Treated Sewage Effluent ("the Discharge")

FROM: **ST. CLEARS WASTEWATER TREATMENT WORKS, ST. CLEARS, CARMARTHENSHIRE**

NATURE

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

LOCATION

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

   (a) discharging via a 225 millimetre diameter pipe;

   (b) discharging to the River Taf Estuary;

   (c) at National Grid Reference SN 28202 14939;

   (d) shown marked 'Consent Point' on Plan BG0024501 attached as Annex 3.

SAMPLE POINT

3. An appropriately labelled sample point shall be provided and maintained at National Grid Reference Reference SN 28539 15027, as shown marked 'FINAL EFFLUENT & U.W.W.T.D. SAMPLING POINT' on Plan BG0024501, 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.

VOLUME

4. The volume of the Discharge shall not exceed 1,925 cubic metres per day.

5. The Dry Weather Flow of the Discharge shall not exceed 987 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 22.3 litres per second.

FLOW MEASUREMENT

7. A continuous flow monitoring and recording system, to a specification provided by the Agency, with on-site visual display from which readings can be readily obtained by the Agency, shall be provided and operated to record the daily volume and instantaneous flow of the discharge.

8. As soon as practicable after completion of the flow system installation the Consent Holder shall employ an independent expert to certify that the installation complies with the Agency's specification. The Consent Holder shall satisfy himself as to the professional competence of the expert. A copy of the certifier's report shall be provided to the Agency when it is available.

9. Records of the flow readings shall be maintained by the Consent Holder and shall be provided to the Agency when requested, in a format specified by the Agency.

10. The Consent Holder shall produce and maintain a quality control manual, approved by the independent expert and to the satisfaction of the Agency, specifying procedures for the calibration, operation and maintenance of the flow monitoring system. The flow system shall be calibrated, operated and maintained by the Consent Holder in accordance with the provisions of the manual. The Consent Holder shall keep a record of these procedures available for inspection by the Agency and provide a copy to the Agency on request.

11. The Consent Holder shall record all failures of the continuous flow system and any other breaks in the flow record. The reasons for these failures and breaks shall be recorded and all steps taken to prevent a re-occurrence. The Consent Holder shall ensure that as far as possible the recorder remains fully operational at all times. Any failures shall be remedied as soon as possible.

12. Flows passing forward to full treatment shall be measured at the inlet works rising main outlet, at National Grid Reference SN 28598 15032, or such other point(s) as agreed by the Agency.

COMPOSITION

13. (a) Subject to paragraph (b) below, the Discharge shall not contain more than:

    (i) 20 milligrammes per litre of biochemical oxygen demand (measured after 5 days at 20°C with nitrification suppressed by the addition of allyl-thiourea);

    (ii) 28 milligrammes per litre of suspended solids (measured after drying at 105°C).

(b) The limit for any of the relevant parameters set out in paragraph (a) above may be exceeded where, in any series of samples of the Discharge taken at regular but randomised intervals in any period of twelve consecutive months as listed in Column 1 of the table at Annex 1 to this consent, no more than the relevant number of samples, as listed in Column 2 of the said table, exceed the applicable limit for that relevant parameter.

14. The Discharge shall not contain more than 56 milligrammes per litre of biochemical oxygen demand (measured after 5 days at 20°C with nitrification suppressed by the addition of allyl-thiourea).

WORKS OPERATION

15. The works shall be operated and the effluent shall be treated in a manner which, so far as reasonable practicable, minimises the polluting effects of the discharge made from the works on controlled waters.

This condition does not require -

(a) any higher standard to be achieved in relation to any characteristic of the discharge which is specifically regulated by conditions 13 and 14, than is required by those conditions;

(b) any alteration of the works or a change in the type of treatment used.

UNUSUAL WEATHER CONDITIONS

16. (a) No sample of the discharge, taken at a time when unusual weather conditions are adversely affecting the operation of the sewage treatment works, shall be taken into account in deciding whether or not the conditions 13, 14 and 15 of this consent have 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 effect.

(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.

RECORDING AND REPORTING

17. (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.

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

SUBSTANTIAL CHANGE

19. 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.

19.1 A discharge of trade effluent into the works is new if -

(a) it is made by the sewerage undertaker and is of a kind not made into the works by the undertaker immediately before the date of effect of this consent; or

(b) it is made by a third party and the discharge is authorised on or after that date.

19.2 A discharge of trade effluent into the works is altered if -

(a) it is made by the sewerage undertaker and its composition or quantity changes significantly on or after the date of effect of this consent; or

(b) it is made by a third party and the alteration of the discharge is authorised on or after that date.

19.3 An increase in the polluting effects of the Discharge on controlled waters is not significant for the purposes of this condition if it relates to any characteristic of the Discharge which is specifically regulated by conditions 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.

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

(a) any discharge by the sewerage undertaker other than

(i) domestic sewage from premises connected directly or indirectly to the works; or

(ii) surface water run-off;

(b) any discharge by a third party which is authorised under Chapter III of Part IV of the Water Industry Act 1991 or which is only accepted as a result of a contract with the sewerage undertaker.

UNAUTHORISED DISCHARGES

20. 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.

(a) A discharge into the works is unauthorised if it is made by a third party and either there is no obligation to receive it or conditions subject to which there is an obligation to receive it are not observed.

(b) Nothing in this, or any other, condition of this consent prevents anyone from relying on any defence available to them under section 87 of the Water Resources Act 1991.

CONSENT NO.	BG0024501
SCHEDULE NO.	BG0024501 01 / U
DATE ISSUED	10th March, 2005

ASIANTAETH YR AMGYLCHEDD CYMRU
ENVIRONMENT AGENCY WALES

CONDITIONS OF CONSENT TO DISCHARGE

Secondary Treated Sewage Effluent ("the Discharge")

FROM: **ST. CLEARS WASTEWATER TREATMENT WORKS, ST. CLEARS, CARMARTHENSHIRE**

URBAN WASTE WATER TREATMENT REGULATIONS

U0 (a) The Consent Holder shall comply with the Urban Waste Water Treatment (England and Wales) Regulations 1994 ('the Regulations').

(b) For the purpose of conditions U1 below, interpretations and references to a numbered regulation or Schedule shall have the meaning as in the Regulations, unless otherwise indicated.

U1 (a) The Discharge derives from an agglomeration with a population equivalent of between 2,000 and 10,000, discharging to estuarial waters.

(b) The Consent Holder shall inform the Agency in writing of any change, or proposed change, to the population equivalent such as would make a material change to the application of the Regulations and shall, on request, inform the Agency in writing of the actual population equivalent.

(c) The Discharge shall be subject to Regulation 5(1) and shall satisfy the requirements of Part I of Schedule 3.

U2 (a) The Consent Holder shall provide apparatus for the purpose of:

(i) measuring or recording the volume, rate of flow, nature, composition or temperature, and
(ii) collecting samples of any waste water,

as is necessary to ensure compliance with paragraph (b) below.

(b) The Consent Holder shall monitor the Discharge to verify compliance with the requirements of condition U1(c) above in accordance with control procedures as set out in Part II of Schedule 3.

(c) The consent holder shall provide to the agency any information collected in complying with paragraph (b) above in a manner agreed with the agency.

U3 Condition U2 above shall apply for the purpose of verifying compliance with the directive from the date as specified in the relevant paragraph of regulation 5 as incorporated into this consent under condition U1(c) above.

U4 (a) An appropriately labelled sample point shall be provided and maintained at National Grid Reference SN 28599 15031, as shown marked 'URBAN WASTE WATER (U.W.W.T.D.) INLET WORKS SAMPLING POINT' on the attached Plan No. BG0024501, or some other point as agreed in writing with the Agency, so that a representative sample of the Influent may be obtained.

(b) An appropriately labelled sample point shall be provided and maintained at National Grid Reference SN 28539 15027, as shown marked 'FINAL EFFLUENT & U.W.W.T.D. SAMPLING POINT' on the attached Plan No. BG0024501, or some other point as agreed in writing with the agency, so that a representative sample of the discharge may be obtained.

CONSENT NO.	BG0024501
SCHEDULE NO.	BG0024501 01

ASIANTAETH YR AMGYLCHEDD CYMRU
ENVIRONMENT AGENCY WALES

ANNEX 1

TABLE

Column 1 Number of samples taken in any period of 12 months	Column 2 Maximum number of samples permitted to exceed limit for given determinand
4-7	1
8-16	2
17-28	3
29-40	4
41-53	5
54-67	6
68-81	7
82-95	8
96-110	9
111-125	10
126-140	11
141-155	12
156-171	13
172-187	14
188-203	15
204-219	16
220-235	17
236-251	18
252-268	19
269-284	20
285-300	21
301-317	22
318-334	23
335-350	24
351-365	25

CONSENT NO.	BG0024501
SCHEDULE NO.	BG0024501 01

ASIANTAETH YR AMGYLCHEDD CYMRU
ENVIRONMENT AGENCY WALES

ANNEX 2

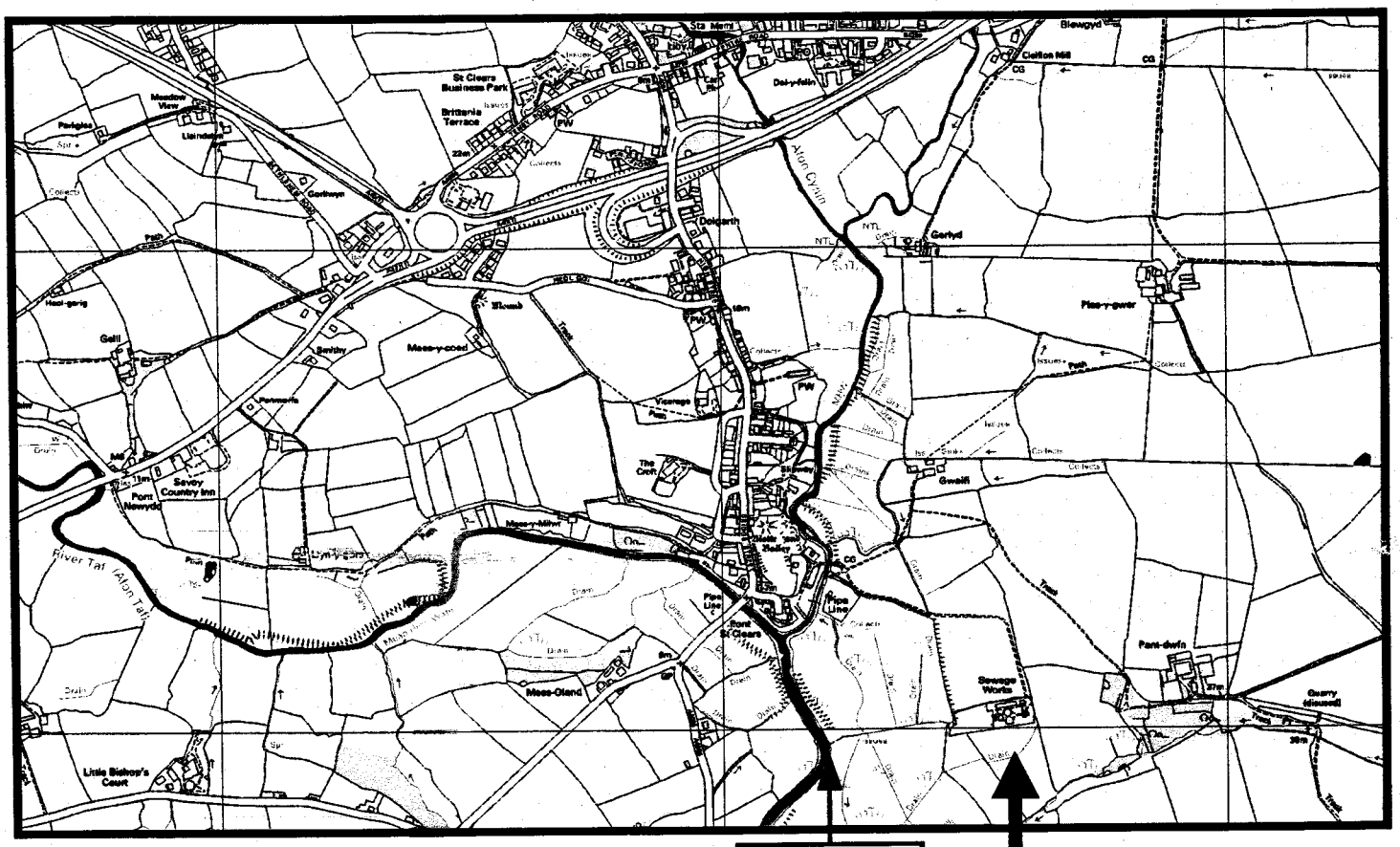
1. Mercury and its compounds
2. Cadmium and its compounds
3. Hexachlorocyclohexane (lindane and related compounds)
4. Carbon tetrachloride
5. DDT (the isomers of 1,1,1-trichloro-2,2 bis{p-chlorophenyl} ethane)
6. Pentachlorophenol (PCP)
7. Aldrin
8. Dieldrin
9. Endrin
10. Isodrin
11. Hexachlorobenzene (HCB)
12. Hexachlorobutadiene (HCBD)
13. Chloroform
14. Polychlorinated biphenyls
15. Dichlorvos
16. 1,2-Dichloroethane
17. Trichlorobenzene
18. Atrazine
19. Simazine
20. Tributyltin compounds
21. Triphenyltin compounds
22. Trifluralin
23. Fenitrothion
24. Azinphos-methyl
25. Malathion
26. Endosulfan
27. Lead
28. Chromium
29. Zinc
30. Copper
31. Nickel
32. Arsenic
33. *Iron
34. *pH outside range 5.5 to 9.0
35. *Boron
36. Vanadium
37. PCSD'S
38. Cyfluthrin
39. Sulcofuron
40. Flucofuron
41. Permethrin
42. 4-Chloro-3-methylphenol
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

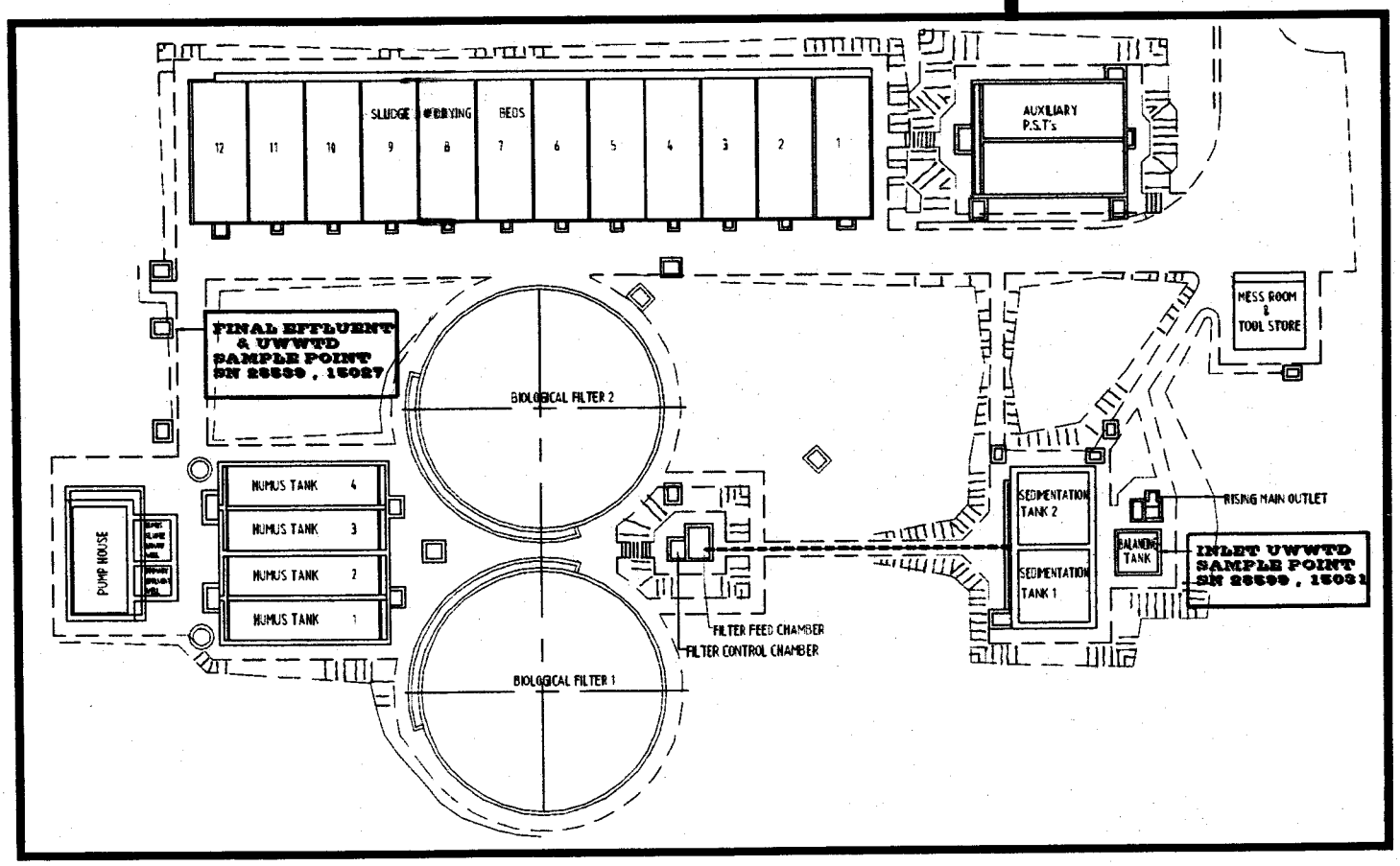
This list is applicable as at 1 December 1998 and will be updated as and when changes to the relevant legislative requirements occur.

*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.

ANNEX 3	BG0024501

ST. CLEARS WwTW – Final Effluent, ST. CLEARS, CARMARTHENSHIRE





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ASIANTAETH YR AMGYLCHEDD CYMRU
ENVIRONMENT AGENCY WALES

Eich cyf/Your ref.

Ein cyf/Our ref. LL/BG0024501

Dyddiad/Date: 21 March 2005

Simon Kershaw
CEFAS Weymouth Laboratory
Fish Disease Laboratory
The Nothe
Barrack Road
Weymouth
Dorset
DT4 9UB

Dear Mr Kershaw

WATER RESOURCES ACT 1991, SCHEDULE 10 (AS AMENDED BY THE ENVIRONMENT ACT 1995), APPLICATION TO DISCHARGE SEWAGE EFFLUENT FROM ST CLEARS WWTW, ST CLEARS, CARMARTHENSHIRE BY DWR CYMRU CYF
APPLICATION NO BG0024501

Thank you for your comments on the above discharge consent application. The Environment Agency has taken account of your comments and has decided that consent should be granted with conditions . A copy of the consent is enclosed for your information.

Yours sincerely,

L. Lewis

L LEWIS
Authorisations Officer

Asiantaeth yr Amgylchedd Cymru
154 Ffordd Sant Helen, Abertawe. SA1 4DF
Ffon: 08708 506 506, Ffacs: 01792 648652

Environment Agency Wales
154 St Helen's Road, Swansea, SA1 4DF
Tel: 08708 506 506, Fax: 01792 648652

ASIANTAETH YR AMGYLCHEDD CYMRU
ENVIRONMENT AGENCY WALES

Eich cyf/Your ref.

Ein cyf/Our ref. LL/BG0024501
Dyddiad/Date: 21 March 2005

Mr P J Coates
Director
South Wales Sea Fisheries Committee
Queens Buildings
Cambrian Place
Swansea
SA1 1TW

Dear Mr Coates,

WATER RESOURCES ACT 1991, SCHEDULE 10 (AS AMENDED BY THE ENVIRONMENT ACT 1995), APPLICATION TO DISCHARGE SEWAGE EFFLUENT BY DWR CYMRU CYF FROM ST CLEARS WWTW, ST CLEARS, CARMARTHENSHIRE
APPLICATION NO BG0024501

Thank you for your comments on the above discharge consent application. The Environment Agency has taken account of your comments and has decided that consent should be granted with conditions. A copy of the consent is enclosed for your information.

Yours sincerely,

L. Lewis

L LEWIS
Authorisations Officer

Please ask for Lynne Lewis, ext. 5578

Asiantaeth yr Amgylchedd Cymru
Maes Newydd, Llandarsi, Nedd Port Talbot, SA10 6JQ
Ffon: 08708 506 506, Ffacs: 01792 325511

Environment Agency Wales
Maes Newydd, Llandarcy, Neath Port Talbot, SA10 6JQ
Tel: 08708 506 506, Fax: 01792 325511

ASIANTAETH YR AMGYLCHEDD CYMRU
ENVIRONMENT AGENCY WALES

Eich cyf/Your ref.

Ein cyf/Our ref. LL/BG0024501

Dyddiad/Date: 21 March 2005

Mr P M Bishop
National Assembly for Wales
Environment Division – Water Branch
Cathays Park
Cardiff
CF10 3NQ

Dear Mr Bishop,

WATER RESOURCES ACT 1991, SCHEDULE 10 (AS AMENDED BY THE ENVIRONMENT ACT 1995), APPLICATION TO DISCHARGE SEWAGE EFFLUENT BY DWR CYMRU CYF FROM ST CLEARS WWTW, ST CLEARS, CARMARTHENSHIRE
APPLICATION NO BG0024501

Thank you for your comments on the above discharge consent application. The Environment Agency has taken account of your comments and has decided that consent should be granted with conditions . A copy of the consent is enclosed for your information.

Yours sincerely,

L. Lewis

L LEWIS
Authorisations Officer

Please ask for Lynne Lewis, ext. 5578

ASIANTAETH YR AMGYLCHEDD CYMRU
ENVIRONMENT AGENCY WALES

Ein cyf/Our ref. EA/LK
Eich cyf/Your ref.

Dyddiad/Date: 14 March 2005

Environment Quality Scientist
Dŵr Cymru Cyf
Pentwyn Road
Nelson
Treharris
CF46 6LY

Dear Sir/Madam

WATER RESOURCES ACT 1991, SCHEDULE 10 (As amended by the Environment Act 1995)

Further to your applications the Agency has decided that consents should be given subject to conditions. I enclose the Agency's formal consents to discharge sewage effluent from - please see attached sheets.

Under the present Scheme of Charges for Discharges to Controlled Waters an annual charge will be made for all consents to discharge, except where the discharge is of sewage effluent of five cubic metres or less per day. The charge is based on information derived from the conditions attached to the consent to discharge, as outlined in the enclosed leaflet.

If you consider that the conditions imposed by the consent are unreasonable you have a right of appeal to the National Assembly for Wales at Cathays Park, Cardiff CF10 3NQ.

Notice of an appeal must be given in writing within three months of this notification and must be accompanied by a statement of the grounds of appeal.

If granted, a consent under Schedule 10 of the Act, covers water quality considerations only. It does not alter the need to obtain any other consents or approvals which might be required in connection with your proposal under other legislation. For example it does not give any right or permission to discharge where land is not owned by the applicant.

Continued…

Asiantaeth yr Amgylchedd Cymru
Maes Newydd, Llandarsi, Nedd Port Talbot, SA10 6JQ
Ffon: 08708 506 506, Ffacs: 01792 325511

Environment Agency Wales
Maes Newydd, Llandarcy, Neath Port Talbot, SA10 6JQ
Tel: 08708 506 506, Fax: 01792 325511

If you have any queries regarding the enforcement of this consent, please do not hesitate to contact Stuart Thomas, Team Leader Regulatory Water Quality Consents, Environment Agency Wales, Maes Newydd, Llandarcy, Neath Port Talbot, SA10 6JQ.

Yours faithfully

Lisa Knight

LISA KNIGHT
Authorisations Officer

Direct dial 01792 325577
Direct fax 01792 325530

Enc.

Asiantaeth yr Amgylchedd Cymru
Maes Newydd, Llandarsi, Nedd Port Talbot, SA10 6JQ
Ffon: 08708 506 506, Ffacs: 01792 325511

Environment Agency Wales
Maes Newydd, Llandarcy, Neath Port Talbot, SA10 6JQ
Tel: 08708 506 506, Fax: 01792 325511

ASIANTAETH YR AMGYLCHEDD CYMRU
ENVIRONMENT AGENCY WALES

Eich cyf/Your ref. F.12
Ein cyf/Our ref. LL/BP0341501,BC0018601,BC0003001,BW2304001,BG0024501
Dyddiad/Date: 13 January 2004

Mr P J Coates
Director
South Wales Sea Fisheries Committee
Queens Buildings
Cambrian Place
Swansea
SA1 1TW

Dear Mr Coates,

WATER RESOURCES ACT 1991, SCHEDULE 10 (AS AMENDED BY THE ENVIRONMENT ACT 1995), APPLICATIONS FOR DISCHARGE CONSENT BY DWR CYMRU FROM LLANANT, GOWERTON & ST CLEARS WWTW
APPLICATION NOS BP0341501, BC0018601, BC0003001, BW2304001, BG0024501

Thank you for your representation on the above discharge consent applications. The Environment Agency will take account of your comments in deciding whether or not consent should be granted and, if granted, what conditions should be imposed.

The Agency is required by law to determine the applications within four months, unless an extension to that period is agreed with the applicant. When we have determined the applications and issued or refused the consents we will write to you again to inform you of the decision.

Schedule 10, 5(1) of the Water Resources Act gives the National Assembly for Wales powers to call in consent applications for their determination as a result of requests. If you wish to request them to call in the applications you should write to the National Assembly for Wales at Cathays Park, Cardiff CF10 3NQ. The Agency is required to determine the applications unless the National Assembly calls in the application before the determination process is completed.

Yours sincerely,

L. Lewis

L LEWIS
Authorisations Officer

Please ask for Lynne Lewis, ext. 5578

Asiantaeth yr Amgylchedd Cymru
Maes Newydd, Llandarsi, Nedd Port Talbot, SA10 6JQ
Ffon: 08708 506 506, Ffacs: 01792 325511

Environment Agency Wales
Maes Newydd, Llandarcy, Neath Port Talbot, SA10 6JQ
Tel: 08708 506 506, Fax: 01792 325511

Llywodraeth Cynulliad Cymru
Welsh Assembly Government

Adran yr Amgylchedd, Cynllunio a Chefn Gwlad
Department for Environment, Planning and Countryside

Lynnne Lewis
Authorisations Officer
Environment Agency Wales
Maes Newydd
Llandarcy
Neath/Port Talbot
SA10 6QJ

Eich cyf. Your ref LL/BG0024501
Ein cyf. Our ref A-EE911-14-001
Date 20 December 2004

Dear Ms Lewis

WATER RESOURCES ACT 1991, SCHEDULE 10 (As amended by the Environment Act 1995) FORMAL CONSULTATION. APPLICATION FOR CONSENT TO DISCHARGE SEWAGE EFFLUENT BY DWR CYMRU CYF FROM ST CLEARS WWTW, ST CLEARS, CARMARTHEN APPLICATION NO: BG0024501

Thank you for your letter of 9 December enclosing a copy of the application for consent to discharge sewage effluent by Dwr Cymru from St Clears WWTW.

The Welsh Assembly Government acknowledges receipt of this and its contents have been noted.

If you have any queries please contact me.

Yours sincerely

R. Hicks

Ron Hicks
Environment Division

Parc Cathays
Caerdydd
CF10 3NQ

Cathays Park
Cardiff
CF10 3NQ

Ffôn • Tel:02920823228
GTN:12083228
Ffacs • Fax:02920825008
Ebost • Email:ron.hicks@wales.gsi.gov.uk

BUDDSODDWR MEWN POBL
INVESTOR IN PEOPLE

Ein cyf/Our ref. LL/BG0024501
Eich cyf/Your ref.

Dyddiad/Date: 9 December 2004

ASIANTAETH YR AMGYLCHEDD CYMRU
ENVIRONMENT AGENCY WALES

Ms Hilary Ford
Merlins Bridge WWTW
Merlins Bridge
Haverfordwest
Pembrokeshire SA61 1JL

Dear Ms Ford

WATER RESOURCES ACT 1991, SCHEDULE 10 (As amended by the Environment Act 1995)
APPLICATION TO DISCHARGE SEWAGE EFFLUENT BY DWR CYMRU FROM ST CLEARS WWTW, ST CLEARS, CARMARTHEN
APPLICATION NO: BG0024501

I acknowledge receipt of your completed application received on 24 November 2004 together with your application fee of £743. Please quote the above application number in any communication with us.

The legislation allows us 4 months from the date of receipt to determine your application. However, an extension to the 4-month period may be necessary if we require further information to determine your application or if agreed between us in writing. You will be advised if this proves necessary.

We will do all we can to deal with your application quickly, but if by **24 March 2005** (or such longer period as explained above), you have not been advised of our decision then the application will be deemed to be refused. You will have a right of appeal to the National Assembly for Wales.

If granted, the consent of the Agency to make a discharge covers water quality considerations only. Should you require any advice on other consents, permissions, licences etc regulated by the Agency, please do not hesitate to contact me.

Details of your application for consent are placed on a public register, kept by the Agency and open for inspection by the public.

Yours sincerely

L. Lewis

L LEWIS
Authorisations Officer

Asiantaeth yr Amgylchedd Cymru
Maes Newydd, Llandarsi, Nedd Port Talbot, SA10 6JQ
Ffon: 08708 506 506, Ffacs: 01792 325511

Environment Agency Wales
Maes Newydd, Llandarcy, Neath Port Talbot, SA10 6JQ
Tel: 08708 506 506, Fax: 01792 325511

ASIANTAETH YR AMGYLCHEDD CYMRU
ENVIRONMENT AGENCY WALES

Ein cyf/Our ref. LL/BG0024501
Eich cyf/Your ref.

Dyddiad/Date: **9 December 2004**

Simon Kershaw
CEFAS Weymouth Laboratory
Fish Disease Laboratory
The Nothe
Barrack Road
Weymouth
Dorset
DT4 9UB

Dear Mr Kershaw

WATER RESOURCES ACT 1991, SCHEDULE 10 AS AMENDED BY THE ENVIRONMENT ACT 1995) APPLICATION TO DISCHARGE SEWAGE EFFLUENT BY DWR CYMRU FROM ST CLEARS WWTW FE, ST CLEARS, CARMARTHEN
APPLICATION NO: BG0024501

I enclose, pursuant to Schedule 10 of the Water Resources Act 1991, a copy of the above mentioned application for discharge consent.

Any comments you wish to make regarding this application must be received by the Agency within six weeks from the date of this letter.

Yours sincerely

L. Lewis

L LEWIS
Authorisations Officer

Asiantaeth yr Amgylchedd Cymru
Maes Newydd, Llandarsi, Nedd Port Talbot, SA10 6JQ
Ffon: 08708 506 506, Ffacs: 01792 325511

Environment Agency Wales
Maes Newydd, Llandarcy, Neath Port Talbot, SA10 6JQ
Tel: 08708 506 506, Fax: 01792 325511

ASIANTAETH YR AMGYLCHEDD CYMRU
ENVIRONMENT AGENCY WALES

Ein cyf/Our ref. LL/BG0024501
Eich cyf/Your ref.

Dyddiad/Date: 9 December 2004

Mr P J Coates
Director
South Wales Sea Fisheries Committee
Queens Buildings
Cambrian Place
Swansea
SA1 1TW

Dear Mr Coates,

WATER RESOURCES ACT 1991, SCHEDULE 10 AS AMENDED BY THE ENVIRONMENT ACT 1995) APPLICATION TO VARY CONSENT TO DISCHARGE SEWAGE EFFLUENT BY DWR CYMRU FROM ST CLEARS WWTW FE, ST CLEARS, CARMARTHEN
APPLICATION NO: BG0024501

I enclose, pursuant to Schedule 10 of the Water Resources Act 1991, a copy of the above mentioned application for discharge consent.

Any comments you wish to make regarding this application must be received by the Agency within six weeks from the date of this letter.

Yours sincerely

L. Lewis

L LEWIS
Authorisations Officer

Asiantaeth yr Amgylchedd Cymru
Maes Newydd, Llandarsi, Nedd Port Talbot, SA10 6JQ
Ffon: 08708 506 506, Ffacs: 01792 325511

Environment Agency Wales
Maes Newydd, Llandarcy, Neath Port Talbot, SA10 6JQ
Tel: 08708 506 506, Fax: 01792 325511

ASIANTAETH YR AMGYLCHEDD CYMRU
ENVIRONMENT AGENCY WALES

Ein cyf/Our ref. LL/BG0024501
Eich cyf/Your ref.

Dyddiad/Date: **9 December 2004**

Mr P M Bishop
National Assembly for Wales
Environment Division – Water Branch
Cathays Park
Cardiff
CF10 3NQ

Dear Mr Bishop

WATER RESOURCES ACT 1991, SCHEDULE 10 (AS AMENDED BY THE ENVIRONMENT ACT 1995): FORMAL CONSULTATION. APPLICATION FOR CONSENT TO DISCHARGE SEWAGE EFFLUENT BY DWR CYMRU FROM ST CLEARS WWTW, ST CLEARS, CARMARTHEN
APPLICATION NO: BG0024501

I enclose, pursuant to Schedule 10 of the Water Resources Act 1991, a copy of the above mentioned application for discharge consent.

Any comments you wish to make regarding this application must be received by the Agency within six weeks from the date of this letter.

Yours sincerely

L. Lewis

L LEWIS
Authorisations Officer

Asiantaeth yr Amgylchedd Cymru
Maes Newydd, Llandarsi, Nedd Port Talbot, SA10 6JQ
Ffon: 08708 506 506, Ffacs: 01792 325511

Environment Agency Wales
Maes Newydd, Llandarcy, Neath Port Talbot, SA10 6JQ
Tel: 08708 506 506, Fax: 01792 325511

PR

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:	*Official Use Only*
The Regional Finance Manager Environment Agency Welsh Region PO Box 425 St Mellons Business Park CARDIFF CF3 0LT	*Dist/Area Ref:* 1303 *Application No.* BG 004501 *Date Received:* 24/11/04 *Fee Received:* £743 (24/11/04)

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.

St Clears WwTW
St Clears
Carmarthen

Post Code: SA33 4EW

E. A. WALES
£743.00 D
24 NOV 2004
CH: 004597
REC: 4981
PAID

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 1925 m³/day
Briefly state how this figure was calculated (see note ii).

See Supporting Documents

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*)	

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

S	N	2	8	2	0	2	1	4	9	3	9

(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	2	8	5	3	9	1	5	0	2	7

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

Magflow meter on rising main from PS

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 [ ]

Conventional biological filters

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 /05

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.

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).*

BG0024501

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

If yes, please give the reference number.

3 SITE DETAILS

3.1 Please give the name of the relevant Planning Authority.

Carmarthenshire County 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)*	☐		

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:

River Taf

4.2 In the case of sub-irrigation systems, soakaways or boreholes:

(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. m

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

(f) For boreholes, state details of lining in metres:

(i) Depth of lining m

(ii) Depth of perforated lining m

(iii) Depth of unperforated lining m

(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).

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: 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: Hilary Ford **PRINT NAME:** HILARY FORD

ON BEHALF OF: Dŵr Cymru Cyf **DATED:** 23-11-04

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

ASIANTAETH YR AMGYLCHEDD
ENVIRONMENT AGENCY

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 Annexe 3 should also be completed).

Official Use Only
Application No.

1. Site Name.

St Clears WwTW

2. Please detail the type and number of treatment units you are proposing to use.

Conventional Biological Filter plant

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). — 1925 m^3/d

b) Dry weather flow of discharge(s). — 987 m^3/d

c) Average daily flow. — 1234 m^3/d

d) Maximum rate of discharge(s) — 22.3 l/s

4. Will there be provisions for storm/emergency discharges? — ~~Y~~/N
If yes, please complete Annexe 2.

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

Flow monitoring using magnetic flowmeter on rising main

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.

2818

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

N/a

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

Residential

7. Will a maintenance agreement be set up to manage the sewage works? (see note b) Y/N
If yes, please give details.

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

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.

St Clears WwTW

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

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):

9 inch diameter

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

£175k

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

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

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 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)	2818
Consumption (l/head/day) default = 180	165 l/h/d existing & 180 l/h/d future
Infiltration (m^3/day)	518.4
Industrial effluent flow (m^3/day)	Nil
Dry Weather Flow (m^3/day)	987
Soc A (l/sec)	4472
Predicted spill frequency (per annum)	N/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.**

Documentation Supporting Application for St Clears WwTW Discharge Consent

CONTENTS

1. **Introduction.**

2. **Feasibility Report.**

3. **Environmental Considerations.**

Appendix.

Feasibility Report. Doc. C900/6.1/01/001

St Clears WwTW Process Calculations Sheet C900/100/01

Location Plan Showing Location of Discharge Point– Drg C900/2002

Process Flow Diagram (PFD) for St Clears WwTW – Drg 900/1001

St Clears WwTW Site Layout showing locations of Sampling Points – Drg C900/2003

1. Introduction.

St Clears WwTW treats wastewater from the population currently estimated to be 2562 and is listed for investment within the Environment Agency Wales (EAW) spread sheet for AMP3.

The confirmed consent limits, which accommodate an increase in population to 2818 are as follows

Biological Oxygen Demand (BOD) :	20 mg/l
Suspended Solids (SS) :	28 mg/l

Treated effluent is discharged to the River Taf., below the tidal limit.

This paper presents supporting information in respect of application for the variation of existing consents to discharge treated effluent.

2. Feasibility Report.

A copy of the Feasibility Report, which provides the background to the identification of the preferred solution, is included in the Appendix.

3. Environmental Considerations.

The proposed scheme will ensure that flows up to 3 x DWF , calculated on the basis of actual population with approximately 10 % growth allowance , will be treated at the works. This will represent a significant increase in the flow to treatment compared to the existing. The present discharge of (untreated) stormwater from the works will cease.

APPENDIX.

Feasibility Report. Doc. C900/6.1/01/001

St Clears WwTW Process Calculations Sheet C900/100/01

Location Plan Showing Location of Discharge Point – Drg C900/2002

Process Flow Diagram (PFD) for St Clears WwTW – Drg 900/1001

St Clears WwTW Site Layout showing locations of Sampling Points -- Drg C900/2003.

Meica Process Ltd
Parc Y Splott WwTW
Llansteffan Road
Johnstown
Carmarthen SA31 3QU
Tel 01267 221131
Fax 01267 221167

Welsh Water ALLIANCE
CYNGHRAIR Dŵr Cymru

Document Cover Sheet

Project Title	St Clears WwTW
Project Number	C 900
Client	DWR CYMRU/WELSH WATER
Document Reference Number	C900/6.1/01/001

St Clears WwTW

Feasibility Report

Rev.	Date	Description/Purpose	Prepared	Checked[1]			Approved for Issue[2]		
				Mech	Proc	Elect	LE	EM	PM
0	19.02.03	First issue for budget costing	MR		MR				SW
A	28.02.03	Modified to incorporate EA requirements	MR		MR				
B	28.03.03	Modified to incorporate proposed solution	MR		MR				
C	09.01.04	Revised design basis	MR						
D	19.08.04	Issue for Approval	AJW	SR	MR	BB	SR	AJW	SW

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PFD – Proposed Drg C900/1001

Process Calculations Sheet C900/6.1/100/01

UUOS Site Condition Report -- not included with consent application

Notes

Relevant Disciplines to initial
LE – Lead Engineer, EM – Engineering Manager, PM – Project Manager

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- Existing Process Flow Diagram (PFD) C900/1000
- Proposed Process Flow Diagram (PFD), C900/1001
- UUOS Works Condition Report
- Final Effluent analyses "Look up "table

Summary

St Clears WwTW is scheduled for upgrade in AMP3 yr 5, to meet revised (indicative) consent limits as follows

Biochemical Oxygen Demand	25 mg/l
Suspended Solids	35 mg/l

The projected dry weather flow as determined by flow and load surveys, pumping station analysis, and review of the growth requirements, indicates that the Full Flow to Treatment (FFT) is required to be increased from 12 l/sec at present to 22 l/sec in the future.

Application of "no deterioration" criteria in the consenting process is likely to reduce the permitted discharge limits to

Biochemical Oxygen Demand	20 mg/l
Suspended Solids	28 mg/l

In order to accommodate the increased flow and load the following summarised scope of works is recommended ;

- Renewal of pumping plant at St Clears terminal PS
- Conversion of existing storm tanks to primary settlement tanks
- Utilisation of all final settlement tanks to operate in parallel
- Accurate flow distribution to all unit operations
- Provision of new 30 m3 sludge storage tank and associated plant
- Provision of flow measurement and approved sampling facility

Note that the growth allowance included in this proposed scheme is limited to 10% of the existing population load.

1. INTRODUCTION

St Clears WwTW serves a present population of 2562, which, according to the Carmarthenshire County Council (CCC) Unitary Development Plan (UDP) is likely to increase to 3237 over the period to 2016.

The present discharge consent conditions for the works are as follows;

Dry Weather Flow (DWF)	394 m3
Max. Daily Flow	1029.6 m3
Max. Rate of Discharge	12 l/sec

Biochemical Oxygen Demand (BOD)	50 mg/l
Suspended Solids (SS)	70 mg/l
Ammoniacal Nitrogen (NH_3-N)	n/a mg/l

The works is the subject of AMP3 capital expenditure under the Urban Waste Water Treatment Directive, the drivers being U1 (continuous discharge), with indicative consent limits as follow;

BOD	25 mg/l
SS	35 mg/l
NH_3-N	n/a mg/l

The Environment Agency Wales (EAW) have been requested to determine the actual consent limits , since the projected DWF is some 150 % greater than the presently consented DWF.

It is anticipated that application of the "no deterioration" criteria to the existing consent limits as a result of increase in DWF will result in the following limits being applied

BOD	20 mg/l
SS	28 mg/l

This report outlines the basis of design of the works required to upgrade the WwTW to meet the new discharge conditions.

2. EXISTING WORKS

The existing works is set out as shown on Drawing C900/1001, Existing Process Flow Diagram (PFD), included in the Appendix.

All flows entering the works are pumped from St Clears terminal SPS at a maximum rate of flow of 21 l/sec when duty and assist pumps run (normal operation is duty/standby) .

Entering flows are screened through a Haigh brushed screen before entering a balancing tank fitted with a floating arm discharge. The floating arm serves to attenuate flow to treatment to approximately 7-13 l/sec. During wet weather , when the SPS operates more continuously , flows in excess of FFT overflow the balance tank weir over to the works storm tanks. Screenings are washed using a Haigh liquid separator.

Recovery of wastewater from the storm tanks is achieved by manual decant to the works return flow pumping station at the lower end of the site, and sludge is removed by manual desludge to the sludge drying beds.

Flows from the balance tank enter 2 no 4.4 x 4.4 m pyramidal primary settlement tanks (PSTs) . These tanks are desludged automatically by air lift back to the sludge drying beds.

There are 2 x 15m diameter x 1.6m deep stone media biological filter beds , which are operated in alternating double filtration (ADF) mode. It is understood that the reason for this design is associated with creamery or dairy wastewater which was formerly treated at the works with the municipal wastewater. This presented a high strength, relatively low volume wastewater to the filter plant.

Flow leaving the primary biofilter is passed to a pair of 9.5 x 2.5 m long final settlement tanks (FSTs), the discharge from which is then returned to the secondary biofilter using duty and standby recirculation pumps.

Flow leaving the secondary biofilter is similarly passed to a pair of identical FSTs, the discharge from which is discharged as final effluent.

FSTs are desludged manually to an adjacent sludge return sump from which humus sludge and other site arisings can be pumped to the head of the works or to the sludge drying beds directly.

Works sludges are held in up to 6 of 12 original sludge drying beds.

3. FLOWS AND LOADS

Flows and loads for the present and future situations have been derived from data collected by both Hyder Consulting Ltd (HCL) and Meica Process (MPL), using flow monitors, pumping station drop tests, and load sampling. A review of the CCC UDP has also been incorporated.

HCL have been commissioned to gather data from the St Clears catchment and WwTW in order to construct a hydraulic model sufficient to confirm the level of contribution of intermittent and continuous discharges to bacterial load in the River Taf which might impact on shellfish beds in the Three Rivers area.

It is apparent that there a number of deficiencies within the catchment at a number of pumping stations. There are also incidences of flooding and risk of flooding within the catchment, which has determined that development plans are being delayed.

Notwithstanding the above the CCC UDP indicates significant development within the St Clears area to 2016. It is anticipated that , in order to accommodate development on the scale indicated, there will be requirement for further significant investment by DCWW within the catchment and at the WwTW. This level of funding is not available to this AMP3 scheme, so that it is proposed that the present scheme makes allowance for treatment of the present population loads plus a nominal 10% growth.

3.1 Flow survey

On this basis the following wastewater inflow characteristics has been determined for the present scheme;

	BASIS	VALUE
Population Equivalent (PE)	Flow	2818
Dry Weather Flow (DWF)	m^3 /day	987
	l/s	11.4
Average Flow	m^3 /day	1234
	l/sec	14.3
Design Full Flow to Treatment (FFT)	m3/d	1925
	l/sec	22.3
BOD Load	kg/day	169
SS Load	kg/day	169
NH_3 – N Load	kg/day	22.5

The detailed process calculations are included in the Appendix as Process Calculations Sheet C900/100/01.

4. PROCESS SOLUTION.

The existing works is based on conventional process treatment , i.e. biological filters, operated in ADF mode. The basic structure of the filters appears to be sound.

The design basis proposes to treat wastewater from a population of 2818, which includes 10% growth on existing.

The full flow to treatment (FFT) to the works requires to be increased from the consented 12 l/sec to 22 l/sec, in order to accommodate the peak incoming flows. This will represent 3 x dry weather flow (3DWF).

It is proposed that the St Clears terminal PS be refurbished to facilitate and control a pass forward rate of 22.3 l/sec , ie 3DWF. Flows in excess of 3DWF arriving at the PS will spill directly to the river. This principle has been discussed and agreed with the Environment Agency Wales (EAW) . See attached minutes of meeting held on 19th Feb 2004, in Appendix.

Thus all flows arriving at works will be treated to final effluent standard. The existing storm tanks will be converted for use as additional balance/PST tanks. When these tanks become full the overflow will be passed to the biofilter distribution chamber utilising existing pipework. When incoming flow subsides, new pumps installed in the tanks will return contents, including sludge to the existing PSTs.

The biofilters will be operated in parallel, as will the 4 no existing FSTs.

The existing recirculation sump and dry well pumps will be utilised to provide controlled recirculated final effluent flow to the filters during periods of low flow.

The flow to treatment will be monitored using a magnetic flow meter situated at the inlet works, installed on the rising main from the PS.

The proposed works arrangement is illustrated on Drawing C900/1002, proposed Process Flow Diagram (PFD), which is included in the Appendix.

4. SCOPE OF WORKS

The proposed scope of works required to upgrade St Clears WwTW to meet the revised consent limits, includes (but is not limited to) the following ;

- Provision of new pumps at St Clears PS, including variable speed drives (vsd), and magflow , and control system to pass forward maximum flow 22.3 l/sec to the WwTW.
- Provision of Mcerts flow monitoring magflow meter installed on rising main at entry to works.
- Refurbishment of flow balancing and splitting facilities to feed 2 no existing PSTs.
- Refurbish PST peripheral overflow weirs.
- Conversion of existing storm tanks to balancing/auxillary PSTs : install 2 no return pumps, pipework, valves and fittings to return tanks contents to inlet balance tank; include control system.
- Reinstate existing storm tanks overflow to filters distribution chamber.
- Provide flow collection and splitting chamber to distribute filter effluent evenly across 4 no existing FSTs. Carry out minor refurbishment to existing FSTs.
- Provide vsd control to existing recirculation pumps.
- Provide new final effluent sampling chamber
- Process control package.

- Health & Safety Issues

If sufficient budget is available , consideration should be given to the provision of a new 30m3 sludge storage tank , in order to facilitate efficient operation of the works. A metering system for the return of decanted liquors to the works inlet should be incorporated.

5. SITE CONDITION REPORT

A copy of the UUOS site condition report is included in the Appendix.

6. MAINTENANCE ISSUES

It is assumed that the following plant items are in good working order;

Works inlet screen and Lysep unit.
PST desludge system
Works recirculation and sludge pumps
Works washwater system

7. ENVIRONMENTAL ISSUES.

At this stage there are no known environmental issues which need special attention . An enquiry has been issued to the DCWW Conservation Manager , together with proposed scheme details. Consultees will be contacted for their observations.

8. RECOMMENDATIONS

It is recommended that the scope of works listed above in Para. 4 is further detailed in outline design sufficient for cost estimation and preparation of papers for approval.

Feasibility and Outline Design Report Acceptance Sheet

We confirm that we have discussed the content of the St Clears WwTW Feasibility and Outline Design Report and that we are in agreement with the recommendations.

Rob Wilson , Manager United Utilities

..... Date .....

Stuart Worts , Meica Process Ltd., Project Manager

..... Date .....

APPENDIX

- **Process Calculations Sheets C900/6.1/100/01**
- **Existing Process Flow Diagram (PFD) C900/1000 – not inc.**
- **Proposed Process Flow Diagram (PFD), C900/1001**
- **UUOS Works Condition Report -- not inc.**
- **Final Effluent analyses "Look up "table -- not inc.**

St CLEARS WwTW
Process Calculations Sheet C900/100/01 1 of 2

19.08.04
Prepared AJW
Checked I MR
Rev A

Existing Consent BOD:SS:NH3::50:70:n/a
Max discharge 1029.6 m3/d, DWF 394 m3/d
Max rate12 l/sec **Indicative consent BOD:SS:Amm-N:: 25:35:n/a**

PARAMETER	UNITS			
design basis horizon	date	**2016**		
Resident Population served (P) (existing)	pop.	**2562**	HCL advise 2562 existing	database states PE=2[illegible]
Growth Pop (UDP)	pop.	**256**	10 % growth	from load survey PE=2[illegible]OD
Design Pop.	pop.	**2818**		from load survey PE=1[illegible]
				from load survey PE=1[illegible]mm-N
Design Flows				
Per capita BOD contribution Residents	kg/h.d	**0.06**		
per capita resident TSS contribution	kg/h.d	**0.06**		
per capita Amm-N contribution Residents	kg/h.d	**0.008**		
per capita existing domestic flow(Ge)	l/h.d	**165**		
per capita growth residents flow(Gf)	l/h.d	**180**		
total residents flow (Pe*Ge+Pf*Gf)	m3/d	**469**		
Infiltration (I)	m3/d	**518.4**		
	l/s	**6.0**	flow survey min flow = 6l/s	
industrial flow (E)	m3/d	**0.0**		
Dry weather flow (PG + I + E)	m3/d	**987**	Consent DWF =394 m3/d	**no deterioration**
	l/s	**11.4**		**ratio 2.51**
Average Flow	m3/d	**1234**	from flow survey =10 l/s	**consent becomes**
	l/s	**14.3**		**BOD < 20**
Full Flow to Treatment(3DWF)	m3/d	**1925**	Consent max flow = 12 l/s	**TSS < 28**
	l/s	**22.3**		**existing pumps 21 l/[illegible]**
Formula A=(PG+I+E)+1.36P+2E	m3/d	**4472**		
	l/s	**51.8**		
Storm tank capacity (2hrs at 3DWF)	m3	**160.4**	existing tanks 80 m3 total	
storm tank capacity (68 l/h)	m3	**191.6**	**Treat all incoming flow**	
storm tank capacity (2 hrs @ SocA - FFT)	m3	**212.2**	**so no storm tanks reqd**	
LOADS				
Total BOD Load	kg/d	**169.1**		
BOD Concentration at Average Flow	mg/l	**137**		
Total TSS load	kg/d	**169.1**		
TSS concentration at Average Flow	mg/l	**137**		
Total Amm-N Load	kg/d	**22.5**		
Amm-N concentration at Average Flow	mg/l	**18.3**		

Primary Treatment	% removal			
Settled BOD load	30	kg/d	**124.3**	includes return liquors
Settled BOD Concentration		mg/l	**101**	
Settled TSS load	60	kg/d	**71.0**	
Settled TSS concentration		mg/l	**58**	
Settled Amm-N load	0	kg/d	**23.7**	includes return liquors
Settled Amm-N concentration		mg/l	**19.2**	
primary sludge mass		kg/d	**98.1**	

Flow split		%	**50.0**		**50.0**	
Number of tanks			**2.0**		**2.0**	
Type of tank			**square**		**existing**	**storm tanks**
Size		m	**4.4**		**3.4**	
Size		m	**4.4**		**9.0**	
Area		m2	**38.7**		**61.2**	
Volume based on	**1.5** depth	m3	**58.1**	**1.3**	**79.6**	
Upflow rate		m/h	**1.0**		**0.7**	
Retention time		h	**1.4**		**2.0**	

St CLEARS WwTW 19.08.04
Process Calculations Sheet C900/100/01 2 of 2 **Prepared** AJW
Checked I MR
Rev A

Audit

Existing Consent BOD:SS:NH3::50:70:n/a
Max discharge 1029.6 m3/d, DWF 394 m3/d
Max rate12 l/sec **Indicative consent BOD:SS:Amm-N:: 25:35:n/a**

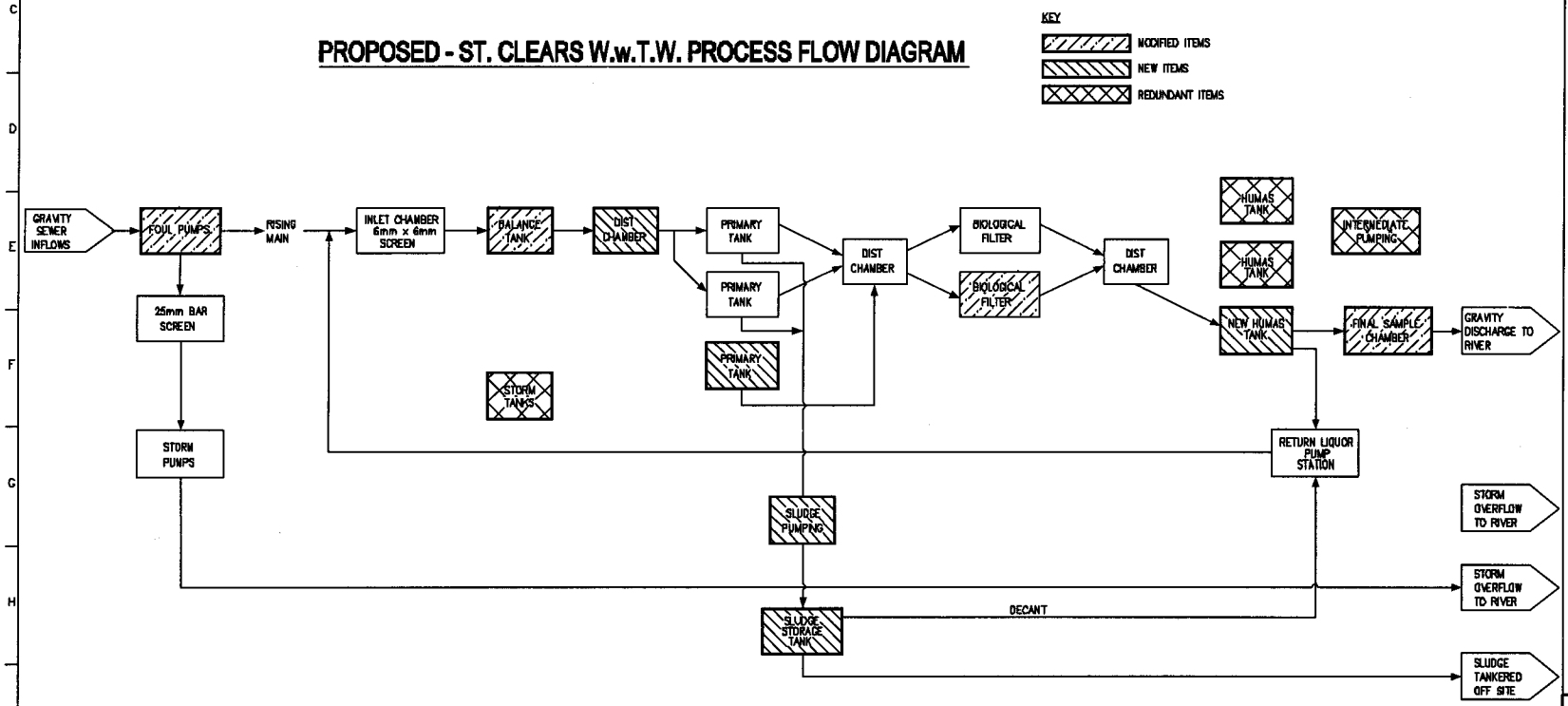
Biological treatment			
secondary BOD load	kg/d	**124.3**	
secondary BOD concentration	mg/l		
secondary TSS load	kg/d	**71.0**	
secondary TSS concentration	mg/l		
secondary Amm-N load	kg/d	**23.67**	
secondary Amm-N concentration	mg/l		
biol. sludge mass (@0.7kg/kg BOD removec	kg/d	**82.6**	
Flow split	%	**50.0**	
Number of filters		**2.0**	
Media		**stone**	**existing**
Diameter	m	**15.0**	
Depth	m	**1.5**	
Surface area	m2	**353.5**	
Volume	m3	**530.2**	
BOD loading	kg/m3/d	**0.23**	**non nitrifying**
hydraulic loading	m3/m2/d	**5.4**	
Amm-N loading	kg/m3/d	**0.04**	
Minimum hydraulic loading	m3/m2/h	**0.10**	
minimum flow	l/s	**9.82**	**vsd recirculation**

	% removal			
Final Settlement				
Final BOD load	95	kg/d	**6.21**	
Final BOD concentration		mg/l	**5.0**	
Final TSS load	**90**	kg/d	**7.10**	
Final TSS concentration		mg/l	**6**	
Final Amm-N load	**0**	kg/d	**23.67**	
Final Amm-N concentration		mg/l	**19.2**	
Number of tanks			**4.0**	
Type of tank			**rectangular**	
Size		m	**9.5**	
Size		m	**2.5**	**Existing FSTs**
Area		m2	**93.1**	
Volume based on	**1.25** depth	m3	**116.4**	
Upflow rate		m/h	**1.0**	
Retention time		h	**1.3**	
Sludge Production				
total sludge mass		kg/d	**180.7**	
total sludge volume @2%ds		m3/d	**9.0**	

DRAWING No. C900/1001

ORIGINAL SHEET SIZE A1 – DO NOT SCALE

PROPOSED - ST. CLEARS W.w.T.W. PROCESS FLOW DIAGRAM



SEE PREVIOUS ISSUES FOR PAST REVISION DETAILS

REV.	REVISION DESCRIPTION	DESIGN APPROVAL			
A	FIRST ISSUE	DRAWN BY	A.G.H	ELEC. ENG.	-
		DATE	03.04.03	MECH. ENG.	-
		PROJ. ENG.	-	APPROVED	M.R.

GENERAL NOTES

NOTES

Welsh Water Capital Alliance
Dwr Cymru

DWR CYMRU WELSH WATER

MEICA PROCESS LTD
17 Station Road, Four Ashes
Wolverhampton, WV10 7DB
Tel: 01902 791818
Fax: 01902 791772

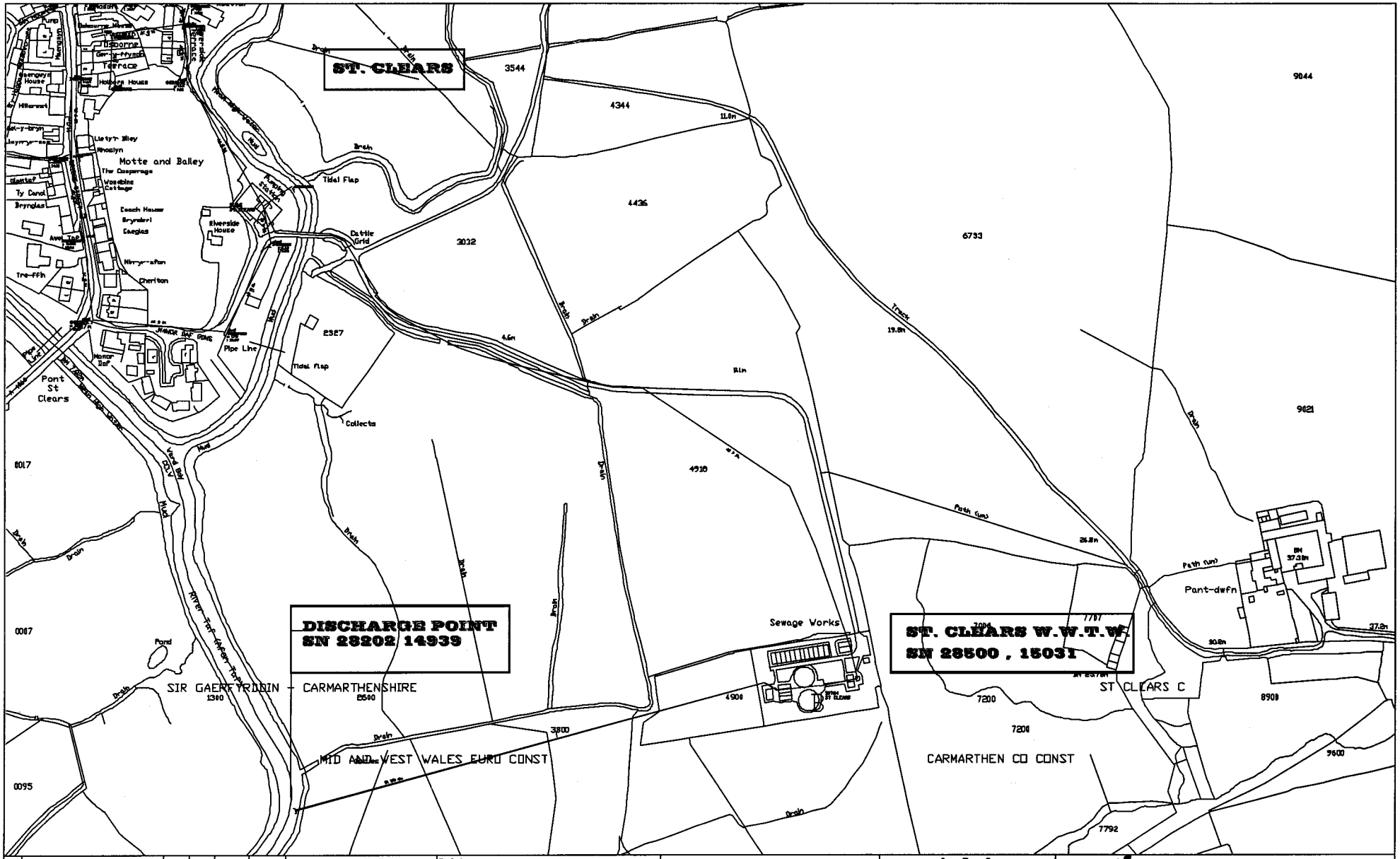
CUSTOMER: DWR CYMRU WELSH WATER

PROJECT TITLE: ST. CLEARS W.w.T.W.

TITLE: PROPOSED PROCESS FLOW DIAGRAM (PFD)

ORIGINAL ISSUE DRAWN BY	ORIGINAL ISSUE CHECKED BY	ORIGINAL ISSUE APPROVED BY
A.G.H	-	M.R.

ORIGINAL	SCALE	REV.
C900/1001	N.T.S.	A



Issue	Description	Auth.	Ckd.	Appd.	Date
A	FOR APPROVAL	CACE	AJW	AJW	NOV04

Client: DWR CYMRU WELSH WATER

Project: ST. CLEARS W.W.T.W.

Title: LOCATION PLAN SHOWING DISCHARGE POINT

Scale A3: 1:?

Datum: LOCAL

Welsh Water Capital Alliance

Cynghrair Cyfalaf Dŵr Cymru

DWR CYMRU WELSH WATER

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Tel: 01267 229283
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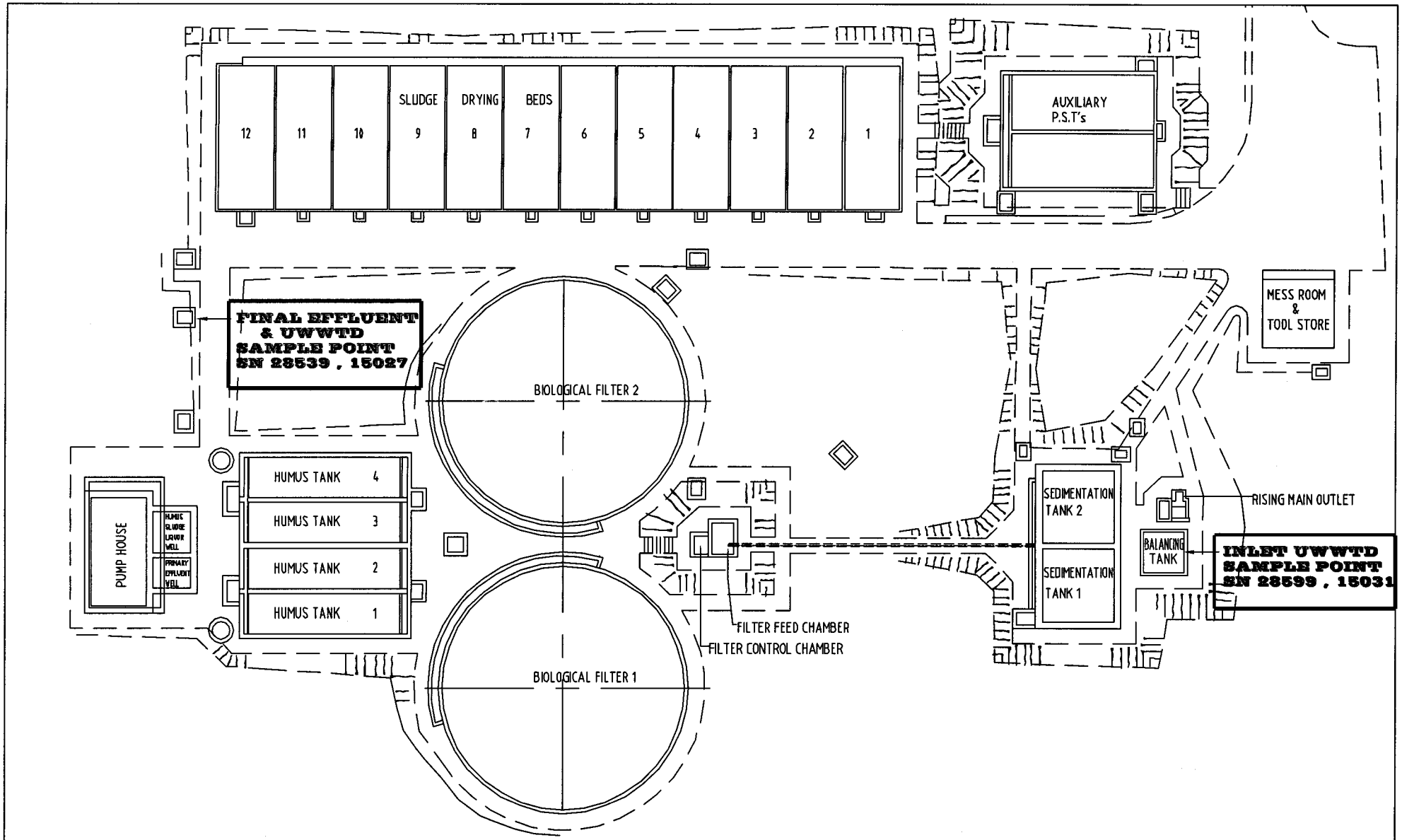
Project Code	Drawing No.	Issue
C900	C900-2002	A

CAD Rel10/01/A3-HP



Issue	Description	Auth.	Ckd.	Appd.	Date
A	FOR APPROVAL	CACE	AJW	AJW	NOV04

Client: DWR CYMRU WELSH WATER

Project: ST. CLEARS W.W.T.W

Title: SITE LAYOUT SHOWING LOCATIONS OF SAMPLE POINTS

Scale A3: 1:200

Datum: LOCAL

Welsh Water Capital Alliance — Cynghrair Cyfalaf Dŵr Cymru

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Project Code: C900

Drawing No.: C900-2003

Issue: A

CAD Ref: D/01/A3-HP

DŴR CYMRU
WELSH WATER

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Ms. Lynne Lewis
Environment Agency Wales
Maes Newydd
Llandarcy
Neath Port Talbot
SA10 6JQ

23rd November 2004

Tel: 01437 769061

Dear Madam

Application for Discharge Consent – St. Clears WwTW Final Effluent

Please find enclosed application forms, fee and three copies of supporting information for the above discharge. This forms part of the AMP3 investment programme.

Yours faithfully

Hilary Ford

Hilary Ford
Area Consents and Regulation Scientist

RECEIVED
24 NOV 2004

We welcome correspondence in Welsh and English.
Rydym yn croesawu gohebiaeth yn y Gymraeg neu yn Saesneg

United Utilities yn cydweithio gyda Dŵr Cymru Welsh Water ddarparu gwasanaethau gweithredol a chynnal a chadw ar gyfer asedau dŵr gwastraff.

Dŵr Cymru Cyf, cwmni cyfyngedig wedi'i gofrestru yng Nghymru rhif 2366777. Swyddfa gofrestredig: Heol Penlwyn, Nelson, Treharris, Morgannwg Ganol CF46 6LY.

United Utilities working with Dŵr Cymru Welsh Water for the provision of operation and maintenance services for water and wastewater assets.

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