

NATIONAL RIVERS AUTHORITY
AWDURDOD AFONYDD CENEDLAETHOL

WELSH REGION
RHANBARTH CYMRU



NRA

Guardians of the Water Environment
Diogelwyr Amgylchedd Dŵr

CONFIDENTIAL

SEWAGE TREATMENT WORKS REMEDIAL STRATEGY

NRA INTERNAL REPORT

MAY 1992

Version 2.1

For use within NRA Welsh Region only.

SEWAGE TREATMENT WORKS REMEDIAL STRATEGY

TERMS OF REFERENCE:

To identify Dwr Cymru sewage treatment works which will require remedial measures to overcome adverse environmental impact, and to identify priorities for action.

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EXECUTIVE SUMMARY

The Sewage Treatment Works Remedial Strategy reviews the actions required by the NRA Welsh Region and Dwr Cymru Cyf. to minimise the environmental impact of discharges from sewage treatment works operated by Dwr Cymru.

The 889 known Dwr Cymru sewage treatment works are grouped into three different categories. Category A contains 283 works at which there is no current environmental impact and where no improvement work is required provided that receiving water quality continues to meet objectives and the discharge continues to comply with an environmentally protective consent. Category B contains 127 works with confirmed/suspected environmental impact at which there is an immediate need for improvement work. Category C contains 482 works for which further data must be obtained before the extent of any environmental impact can be reliably determined and the works allocated to either Category A or Category B.

The Strategy provides a basis for forthcoming discussions between the NRA and Dwr Cymru on the scale, priorities, and timetable of a sewage treatment works action programme necessary to address environmental concerns and target future investment as appropriate.

A second phase of the Sewage Treatment Works Strategy should be produced to collect further information necessary to confirm environmental impact at 40 Category B works where Dwr Cymru have asked for further investigation and to allow works currently in Category C to be re-classified into Category A or Category B as appropriate.

The strategy also makes recommendations on future NRA monitoring programmes required to assess the performance of sewage treatment works. It is suggested that consent compliance samples are taken at all sewage treatment works with numerical consents, together with an assessment of aesthetic standards of the discharge. Biological survey programmes should in the short term be targetted on those Category B works at which further investigations have been requested by Dwr Cymru, followed by investigations at Category C works to aid reclassification into Category A or Category B, and investigations at Category A works which have been included in Dwr Cymru's Capital Expenditure Programme. Appropriate chemical monitoring may be required as an alternative at certain works where biological surveys cannot be carried out.

In the long term a rolling programme should be established to update biological survey information on all works so that no information is more than three years old. Such work should as far as possible be funded by the discharger and a requirement for a discharger to regularly conduct such survey work should be included as a condition in certain discharge consents.

1.0 INTRODUCTION

In the NRA's Welsh Region sewage treatment and disposal services are provided to an equivalent population of 2.6 million. Dwr Cymru Cyf. operates 889 known sewage treatment works which between them treat sewage from about 50% of this population. Effluent discharges from these works have the potential to do serious harm to the aquatic environment unless they comply with suitable environmentally protective consents.

Dwr Cymru is believed to have allocated a sum of approximately £138m over the period 1988 - 2010 to fund refurbishments to sewage treatment works ("Water Authorities in England and Wales: Capital Expenditure Projections". Department of the Environment and Welsh Office / Binnie and Partners Consulting Engineers. January 1990). Such expenditure will clearly need to be carefully targetted if it is to be cost effective and if it is to achieve the aim of maintaining and improving environmental standards. Dwr Cymru will need to take advice from both the NRA and the Office of Water Services (OFWAT) before deciding on an appropriate investment programme for capital expenditure. This Strategy represents a preliminary statement of the NRA's requirements relating to future programmes for sewage treatment works improvements.

1.1 Strategy objectives

The sewage treatment works strategy has the following objectives:

- o To identify those sewage treatment works operated by Dwr Cymru which have an adverse impact on the aquatic environment.
- o To prioritise them in terms of their requirements for future remedial action.

This information will be used to direct Dwr Cymru's action programme relating to improvements at sewage treatment works and will also guide subsequent NRA programmes for review of discharge consents and environmental monitoring relating to sewage treatment works.

This Strategy only covers discharges from sewage treatment works operated by Dwr Cymru where primary treatment or primary and secondary treatment takes place. Discharges of crude sewage, screened or macerated sewage, and from works operated by dischargers other than Dwr Cymru are not considered here. A parallel strategy will be devised in due course to identify future requirements for such sites.

2.0 STRATEGIC APPROACH

2.1 Discharge consents

In the United Kingdom, control of effluent quality is exercised through the system of discharge consents. Consents for sewage treatment works have had a tortuous history which has led to the NRA inheriting a fragmented and weakened system of consents issued under successive piecemeal legislation. A summary of the history of consenting legislation is given in Appendix 1.

The complex history of discharge consents has inevitably meant that many discharges from sewage treatment works are not controlled by suitable environmentally protective consents. This means that consent

compliance cannot be used as an indicator of the environmental impact of sewage works discharges, and that there is a need to re-evaluate the consents of many sewage treatment works to provide appropriate protection to the environment. The programme for consent re-evaluation should proceed hand-in-hand with the programme for carrying out remedial action at sewage treatment works in order to ensure that new consent requirements can be met.

The recently introduced EC Urban Waste Water Treatment Directive (91/271/EEC) will place obligations on dischargers to ensure that effluent quality from many sewage treatment works complies with a series of uniform discharge standards or meets minimum percentage reductions in certain effluent determinands. In some cases consent conditions required to meet these obligations will be more stringent than those required for environmental protection purposes. In such cases the NRA would impose consent conditions necessary to meet the requirements of the Urban Waste Water Treatment Directive. In other cases an environmentally protective consent will require conditions which are more stringent than those necessary for compliance with the Urban Waste Water Treatment Directive to be met, and in these cases the NRA would apply the more stringent consent conditions in order to provide the receiving water with adequate protection from the discharge.

This Strategy does not address the need for improvements at sewage treatment works necessary to bring about compliance of existing discharges with the requirements of the Urban Waste Water Treatment Directive. Programmes for ensuring compliance with the Urban Waste Water Treatment Directive will be presented in future phases of the Sewage Treatment Works Strategy.

2.2 Assessment of environmental impact

In the past, programmes for improvement work at sewage treatment works have been drawn up on the basis of a number of criteria, including cost, operational requirements, and on-site factors. The NRA will require environmental considerations to be given greater weighting in assessing future schemes, and the proposed priorities for remedial action are based on the environmental impact of discharges from sewage treatment works and the importance attached to reducing the impact.

Each Dwr Cymru sewage treatment works was assessed in terms of its environmental impact with regard to certain criteria (see Appendix 2 for further details). For works discharging into inland waters (classified and unclassified for the purposes of the NRA/DoE National River Quality Survey), the following criteria were used:

- o Compliance of the river stretch downstream from the discharge with its Long Term River Quality Objective.
- o Size of the works as represented by the design population served.
- o Available dilution of the discharge in the receiving water.
- o Aesthetic impact of the discharge.
- o Biological impact of the discharge.
- o Fisheries impact of the discharge.

For works discharging into tidal waters (estuaries and coastal waters), the following criteria were used:

- o Ability of the receiving water to support recognised uses traditionally associated with the vicinity.
- o Size of the works as represented by the design population served.
- o Aesthetic impact of the discharge.
- o Designation of the receiving water as a special conservation site.

As discussed above, compliance with current consent conditions was not considered to be an appropriate criterion for inclusion on the above list as many sewage treatment works do not have environmentally protective consents. Consent compliance is not at present a reliable indicator of the absence of environmental impact of a discharge.

It is recognised that in due course Long Term River Quality Objectives for river stretches will be replaced by Statutory Water Quality Objectives (Water Act 1989) for controlled waters. Since proposals relating to Statutory Quality Objectives are still at a draft stage, no attempt was made to account for the consequences of their introduction when devising this Strategy. However, it is unlikely that the introduction of Statutory Quality Objectives would allow deterioration below current quality or impose less stringent objectives than at present for waters in the NRA Welsh Region.

Works with the highest environmental impact on the basis of the factors listed above were rated as having the highest priority for remedial action. Each works was assigned to one of three categories defined as follows:

Category A: Works where existing information indicates that the discharge has no environmental impact. Provided that the receiving water quality continues to meet objectives and the discharge complies with an environmentally protective consent, no remedial action will be required at these works.

Category B: Works where the receiving water downstream of the discharge does not comply with the existing Long Term River Quality Objective due to the discharge from the works and environmental impact is confirmed by one or more other factors, or works where there is a confirmed significant impact due to the discharge from the works. Works falling into Category B are listed in order of severity of impact in Table 1 (discharges to classified and unclassified inland waters) and Table 2 (discharges to tidal waters).

Category C: Works where existing information indicates suspected or potential environmental impact associated with the discharge, but where further information is necessary to confirm such impact. When such information has been confirmed in due course these works will be reclassified into Category A or Category B.

Appendices 3 - 5 list sewage treatment works in Northern Division, South Eastern Division, and South Western Division respectively and show the category to which each works has been assigned.

Table 1. Category B works discharging to inland waters, dates of anticipated improvement work, and requirements for further assessment.

Consent Reference	Works Name	Works Grid Ref	Division	Priority Group	Improvement Work Anticipated	Further Assessment Required
CLASSIFIED WATERS						
BA2022601	MARLAS	SS 81400-82300	SW	1	1992	
BC0006801	GARNSWLLT	SN 62200-10200	SW	1	1993-4	Y (NH3)
AG0008301	DUFFRYN ISAF	ST 02850-84950	SE	1	1992	
CM0081001	BUCKLEY TY GWYN	SJ 27890-62220	N	1	1992-3	
AG0019301	RHIWSAESON (OLD)	ST 06880 82620	SE	1	1992	
AN0033701	CYNON	ST 08160-92890	SE	1	-	Y
BC0016601	TREBANOS	SN 71300-03300	SW	1	-	Y
AL1001601	LEOMINSTER (WORCESTER RD)	SO 50330-58070	SE	1	1992	
AG0019401	RHIWSAESON (NEW)	ST 07320 82730	SE	1	1992	
BA2032701	MAESTEG	SS 87700-88400	SW	1	-	Y
BH0054701	BOWSTREET (PENRHYNCOCH)	SN 61900-84200	SW	2	?	
AH1001901	KINGSTONE & MADLEY	SO 42550-37000	SE	2	-	Y
AL1003501	WEOBLEY	SO 39580-52030	SE	2	1993	
CM0017601	RUTHIN	SJ 12170-59310	N	2	1995-6	Y
CM0062601	LLANYCHAN (RHEWL/GELLIFOR)	SJ 11420-61770	N	2	1991-2	Y
CM0078101	ST ASAPH	SJ 03220-75070	N	2	1992-3	
CG0079601	LLANDYRNOG	SJ 09830-64380	N	2	1997-2002	Y
BG0013201	LLANDDEWI VELFREY	SN 14300-16900	SW	2	1992	
AH1002701	MUCH DEWCHURCH (A)	SO 48500-31200	SE	2	1992	
AH1002501	MUCH BIRCH (TUMP LANE)	SO 49720-30670	SE	2	1992	
AH1004101	WORMELW TUMP	SO 49400-30300	SE	3	1992	
AS1001201	GREAT GRAIG - CROSS ASH	SO 40600-20200	SE	3	1992	
AS1001901	LEA (KNIGHTSHILL)	SO 66490-21950	SE	3	1992	
AS1005301	WALFORD (COUGHTON PLACE)	SO 59610-21170	SE	3	1992	
CG0110801	SARN MEILLTETRM	SH 23900-32200	N	3	1997-2002	Y
AL1002701	SHOBDON	SO 39510-61140	SE	3	1992	
AW1004701	NORTON (OLD)	SO 30630-66620	SE	3	-	Y
CM0063901	PWLLGLAS	SJ 11950-54650	N	3	1992-3	
CM0003401	LLANGERNYH	SH 87800-67580	N	3	1997-2002	Y
AL1002601	PRESTON-ON-WYE	SO 38400-42300	SE	3	-	Y
BA2001101	CRYNANT	SN 78900-04000	SW	4	1992-3 ?	Y
AH1000301	BURGHILL	SO 47460-42980	SE	4	1993	
CG0078501	CAERNARFON	SH 48100-61800	N	4	1994-5	Y (Biology)
CM0028601	DENBIGH EGLWYSWEN	SJ 07630-65820	N	4	1991-2	Y
BF0169101	YSTRADGYNLAIS	SN 77500-08800	SW	4	1991-2	
AB0041501	BRECON	SO 05700-27600	SE	4	-	Y
BE0075601	CUCKOO MILL	SS 64200-99300	SW	4	1992	
CG0089101	LLANBERIS	SH 58300-59900	N	4	1992-3	Y
CG0019101	LLANRWST	SH 79400-61900	N	4	1992-3	Y (Biology)
AL1000201	LEOMINSTER (BARONS CROSS)	SO 47350-58030	SE	4	1992	
CG0088601	BETWS YM RHOS	SH 90800-73800	N	5	1991-2	Y
CM0107601	HENLLAN	SJ 01920-68540	N	5	-	Y
AW1000401	BWLCH (NORTH)	SO 14500-22800	SE	5	1992	
CG0023901	NANTMOR	SH 59800-46000	N	5	1997-2002	Y
CG0152101	DOLWYDELAN	SH 73900-52400	N	5	1992-3	
CG0114601	LLAN PENMACHNO	SH 79200-50800	N	5	1992-3	
UNCLASSIFIED WATERS						
CM0055401	LLANASA	SJ 12310-83410	N	1	-	Y
BC0001501	CROSSHANDS	SN 56300-12300	SW	1	1992-3	
CG0058001	PENTRAETH	SH 52300-78700	N	1	1992-3	
CM0029701	SYCHDYN	SJ 24640-66740	N	1	1992-3	
CM0105501	TATTENHALL	SJ 47830-59180	N	1	1997-2002	
BG0012001	LANGDON	SN 10500-07300	SW	1	1996-7	
CM0030801	LEESWOOD	SJ 27250-60270	N	1	1992-3	
AH0079401	WENVOE	ST 12700-73100	SE	1	1992	
CG0114001	BODEDERN	SH 33300-80800	N	1	1997-2002	Y
CM0057101	LIXWM (WHEELER HILL)	SJ 16600-70100	N	1	1997-2002	Y
CG0085701	BETHEL	SH 51600-65200	N	2	1997-2002	Y
BG0007701	NARBERTH EAST	SN 12300-15200	SW	2	1992-3 ?	
BN0166701	TEMPLETOM	SN 11400-10900	SW	2	-	Y
CG0058301	GWALCHMAI	SH 39500-75500	N	2	-	Y
BG0018701	HERMON	SN 20900-32300	SW	2	1992-3	
CG0058101	LLANFECHELL	SH 37400-91400	N	2	1997-2002	Y
CM0029001	CHURTON	SJ 42460-56350	N	2	-	Y
CG0012701	DINAS	SH 26800-36400	N	2	1991-2	

Table 1 (continued).

Consent Reference	Works Name	Works Grid Ref	Division	Priority Group	Improvement Work Anticipated	Further Assessment Required
BG0002201	CAPEL BANGOR	SN 65000-80300	SW	2	1993-4	
BN0266701	NEWCHAPEL	SN 22600-39200	SW	2	1993	
BP0016901	SALEM	SN 62140-26650	SW	3	1992	
AH1002801	ORCOP (COPWELL ESTATE)	SO 47900-27900	SE	3	1992	
AS1005701	WESTON -UNDER-PENYARD (PENYARD GDNS.)	SO 63660-23040	SE	3	1991	
AC0091901	LLAMARTH	SO 37700-10700	SE	3	-	Y
CG0107601	FRIOG	SH 61800-12500	N	3	1991-2 ?	
BC0017801	CARWAY	SN 46000-06900	SW	3	1991-2	
BG0004801	DEVILS BRIDGE	SN 73800-76700	SW	3	?	
BG0034601	MERRION CAMP (CASTLEMARTIN)	SR 94370-96950	SW	3	-	
BH0056201	TAVERNSPITE	SN 18300-13000	SW	3	1992	
AH1002001	LITTLE DEWCHURCH	SO 53450-31160	SE	3	1992	
CG0084001	LLANFAES (A)	SH 60800-77700	N	4	?	
CG0089901	LLANFAES (B)	SH 60900-77800	N	4	?	
CG0062001	BOOFFORDD	SH 42900-76800	N	4	1992-3	
CM0062801	LLANFAIR DYFFRYN CLWYD	SJ 13640-56040	N	4	1997-2002	Y
CM0009601	TREMEIRCHION	SJ 06800-72610	N	4	-	Y
AD0000701	CRAY	SN 89600-24100	SE	4	-	Y
BE0042501	CARMEL AND PANTILLYN	SN 60100-17400	SW	4	1991-2	
BH0056001	ST FLORENCE	SN 08700-01000	SW	4	-	Y
CM0067501	CEFN MAIRWEN	SJ 02070-72100	N	4	1997-2002	Y
CM0074401	LLANELIDAN	SJ 10800-50380	N	4	1997-2002	Y
CG0023201	BWLCHYLLYN	SH 50400-55200	N	5	1992-3	
BG0038701	CROSS INN AND NEBO	SN 54600-65200	SW	5	1992	
AS1001001	GLEWSTON (WILSON)	SO 55550-23370	SE	5	1992	
BG0022401	LAMPHEY	SN 01900-00800	SW	5	1995-6	Y
BG0021501	LLANGYBI	SN 60600-53100	SW	5	1992	
BP0019601	KILGETTY	SN 13100-07500	SW	5	1992-3	
AS1002101	LLANDDEWI RHYDDERCH	SO 35280-13100	SE	5	1991	
CG0171801	ARTHOG COUNCIL HOUSES	SH 62700-13600	N	5	1991-2 ?	
CM0094701	KELSTERTON	SJ 27980-70690	N	5	1991-2	
AN0180901	CAERWENT	ST 47900-90700	SE	5	1993	
AN0064201	CROSS INN	ST 05320 82450	SE	6	-	
BN0003601	NARBETH WEST	SN 10300-14200	SW	6	1992-3 ?	
AC0140201	RAGLAN	SO 41500-07300	SE	6	1992	
CM0028801	TRELAWNYD	SJ 08720-79300	N	6	-	Y
CM0072901	CLAWDD NEWYDD	SJ 08250-52830	N	6	1992-3	
BH0044201	CAREW	SN 05200-03500	SW	6	1991-2	
AL1001901	MOCCAS	SO 35460-42230	SE	6	1992	
CM0012701	NANNERCH	SJ 16860-69250	N	6	1997-2002	Y
BG0016901	SPITTAL	SN 97400-22600	SW	6	1992-3	
BH0064701	LETTERSON EAST	SN 95400-29500	SW	6	1994-5	

Table 2. Category B works discharging to tidal waters, dates of anticipated improvement work, and requirements for further assessment.

Consent Ref	Works Name	Works Grid Ref	Division	Priority Group	Improvement Work Anticipated	Further Assessment Required
CM0014201	HESWALL	SJ 24900-81790	N	1	1997-2002	
BF0083607	LLANELLI	SS 50800-98800	SW	1	1994	
CG0144901	HARLECH	SH 56900-31900	N	1	1993-4	
CM0017801	CHESTER	SJ 39520-66590	N	1	?	
CM0037001	CONNAHS QUAY	SJ 30240-69380	N	1	?	
CM0082201	QUEENSFERRY	SJ 32190-68390	N	1	?	
CM0063501	BAGILLT (EAST)	SJ 22320-75520	N	1	1994-5	
BF0147002	KIDWELLY	SN 39900-06200	SW	1	1992	
CM0029801	GREENFIELD	SJ 19900-78160	N	1	1994-5	
CM0058401	FLINT	SJ 25780-72440	N	1	?	
CG0055301	LLANDEGFAN	SH 56200-72800	N	2	1994-5	
BP0062701	ST DAVIDS	SM 74100-24500	SW	2	1992-3	
CG0081101	LLANFAIRPWLL	SH 53000-71000	N	2	1991-2	
CG0084901	LLANGOED	SH 61300-79300	N	2	?	
BP0062101	SAUNDERSFOOT	SN 12500-04900	SW	2	1992 ?	
CG0051701	PORTHMADOG	SH 57300-39000	N	2	-	
CG0093701	LLANBEDR	SH 58200-27160	N	2	1997-2002	
BH0053401	PARCYSLOTTS	SN 39800-17800	SW	2	-	Y
BP0151701	FISHGUARD	SN 96000-37700	SW	2	1995-6	
BP0430201	OGAF MORTHWA	SN 95390 37760	SW	3	1995-6	
BP0063401	GOODWICK	SN 95250-39060	SW	3	1995-6	

3.0 ACTION REPORT

This section outlines the framework which will govern consent review and improvement action programmes at sewage treatment works in each of the three categories. Requirements for future sewage treatment works performance monitoring programmes are discussed subsequently (section 4).

3.1 Category A works

No action will be required at Category A works provided that the receiving water quality continues to meet objectives and the discharge complies with an environmentally protective consent.

Dwr Cymru have planned capital expenditure at a number of Category A works. Further information on environmental impact should be collected at those Category A works which are at early stages in the Dwr Cymru Capital Expenditure Programme in order to evaluate the need for proceeding with remedial action at these works.

3.2 Category B works

Following consultation with Dwr Cymru, the NRA will review discharge consents for those works which do not at present have long-term environmentally protective consents (all works in Category B and those works currently in Category C which are subsequently re-classified into Category B) in order to provide effective protection to the receiving water from these discharges. It is recognised that this is a long-term objective which will only be achieved over an extended time period.

In order to ensure compliance with these revised consents, the NRA will require appropriate remedial action by Dwr Cymru to improve the quality of discharges from works in Category B and those works currently in Category C which are subsequently re-classified into Category B. There is an immediate need for action with respect to the works currently in Category B. Category B works are listed in Tables 1 and 2 in order of the severity of their environmental impact, and each works has been assigned to a Priority Group which reflects the urgency of the need for action. The Dwr Cymru action programme should initially tackle the works as listed in these Priority Groups, with improvements for each Group to be completed within a timescale agreed with the NRA. The NRA will undertake consent reviews at these works according to the agreed timetable.

Dwr Cymru have requested further information on environmental impact at 40 Category B sewage treatment works identified in Tables 1 and 2. This information should be provided as a priority by the NRA and will confirm whether a sewage treatment works should stay in Category B or whether it is suitable for inclusion in Category C pending further investigations.

It is recognised that capital expenditure may already be planned by Dwr Cymru and may even be underway at certain sewage treatment works to improve discharge quality to allow compliance with existing consent conditions. Wherever possible scheduled capital expenditure for sewage treatment works improvements should be re-directed to ensure compliance with new environmentally protective consents rather than existing consents.

3.3 Category C works

The NRA should collect further contemporary information on sewage treatment works currently listed in Category C to enable them to be re-classified into Category A or Category B as necessary. A second phase of the Sewage Treatment Works Strategy should then be completed to an agreed timescale to inform Dwr Cymru of NRA requirements with respect to improvements required at these works. Dwr Cymru will inform OFWAT of investment requirements in September 1993, and the second phase of the strategy should be completed in advance of this deadline as far as resources permit.

In addition to updated information on the environmental impact criteria considered already, the following further information will be used as a basis for re-classifying works in Category C:

- o Extent of compliance of the receiving water with quality standards for relevant determinands.
- o Other pollutant inputs influencing water quality in the receiving water.
- o Hydraulic load at the sewage treatment works.
- o Extent and variety of uses of the receiving water.

4.0 PERFORMANCE MONITORING PROGRAMMES

The NRA should continue to monitor the performance of sewage treatment works on a regular basis. Wherever possible biological techniques should be used to assess the impact of a discharge on receiving water quality, although chemical monitoring will continue for assessing consent compliance and assessing quality of receiving waters at works where biological monitoring is not possible.

4.1 Biological monitoring

In the immediate future, biological monitoring should be targetted at the following works:

- o Works within Category B where Dwr Cymru have requested further information on environmental impact before agreeing to undertake remedial action to improve discharge quality (40 works).
- o Works at early stages in the Dwr Cymru Capital Expenditure Programme which are in Category A (14 works).
- o Works in Category C (482 works).

In the longer term, biological impact information should be updated by means of a rolling programme to ensure that no information is more than three years old. In order to conserve resources, works should be omitted from this rolling programme if all the following criteria apply:

- o The works is compliant with an environmentally protective consent.
- o The previous biological survey at the works showed no biological impact associated with the discharge.
- o There have been no changes in works operation which might lead to a deterioration in effluent quality.
- o The population equivalent served by the works is less than 1000.
- o The effluent dilution is greater than 100:1.

Where possible, the discharger should be encouraged to conduct regular biological surveys for assessment of discharge impact, subject to audit by the NRA.

In addition to techniques currently used to assess biological impact of sewage treatment works discharges, it is recommended that in future surveys a comparison is made between the actual biological score of the receiving water and the score predicted using RIVPACS methods.

4.2 Chemical monitoring

Consent compliance samples should be taken at all works with numerical consents, including Category A works. Upstream and downstream chemical monitoring of sanitary determinands and other consented determinands as appropriate should also be undertaken at selected works where biological sampling is not possible (eg due to deep water). It is suggested that upstream and downstream sampling takes place on a monthly basis at works where there is a history of environmental impact or suspected impact and on a quarterly basis otherwise. Works should be omitted from a receiving water sampling programme if there is no environmental impact as indicated by criteria listed above for biological sampling.

4.3 Aesthetic monitoring

Information from chemical and biological monitoring programmes at sewage treatment works should be augmented by information on compliance with aesthetic standards. NRA staff visiting sewage treatment works to take consent compliance samples should also complete a survey form to assess aesthetic impact caused by the discharge. Standards used to assess aesthetic impact should be similar to those proposed for protection of the Basic Amenity use for the purpose of achieving statutory water quality objectives.

5.0 CONSENTING POLICIES

The timetable for determination of environmentally protective consents for Category B works will be dictated by the timetable of the expenditure programme agreed between Dwr Cymru and the NRA. In some cases determination of environmentally protective consents will be a relatively simple matter which can be carried out by Divisional Pollution Control staff, but in other cases the use of complex mathematical modelling techniques will be required and the Regional or Divisional EAU will need to advise on setting correct consent conditions.

Section work programmes for consent determination will be outlined in subsequent phases of the sewage treatment works strategy to reflect the timetable of the Dwr Cymru expenditure programme. In the interim period, possible consent conditions and levels of treatment required to achieve these conditions are to be discussed at Divisional level between the NRA and Dwr Cymru to assist in costing future phases of the expenditure programme.

6.0 RECOMMENDATIONS

1. Dwr Cymru and the NRA should discuss action priorities and timetables for conducting improvement work at those Dwr Cymru sewage treatment works which fall into Category B and those works which do not currently comply with their consents as a matter of urgency.
2. The NRA should conduct consent reviews at Category B works consistent with the timetable for improvement work agreed with Dwr Cymru.
3. The NRA should conduct appropriate further investigations and produce a Phase 2 Sewage Treatment Works Strategy to re-classify Category C works into Category A or Category B.
4. Biological survey programmes should in the short term be targetted on those Category B works at which further investigations have been requested by Dwr Cymru, followed by investigations at Category C works to aid reclassification into Category A or Category B, and investigations at Category A works which are also to be included in the Dwr Cymru Capital Expenditure Programme. Appropriate chemical monitoring may also be required as an alternative at certain works where biological surveys cannot be conducted. In the long term a rolling programme should be established to update biological survey information on all works so that as far as possible no information is more than three years old.
5. Consent compliance samples should be taken at all sewage treatment works with numerical consents, together with an assessment of aesthetic standards of the discharge.

APPENDIX 1. Sewage treatment works discharge consents.

Summary of discharge consent legislation

In general, the discharge of sewage effluent, trade effluent, or any other polluting matter into controlled waters is not permitted unless a statutory consent allowing the discharge has been granted. Ideally the consent will be environmentally protective and will prevent the discharge from causing poor water quality. Within a catchment area, effluent discharges and other factors relating to water quality can be considered collectively and gauged against environmental quality objectives which support a number of uses for each catchment. However, in practice the NRA has inherited a fragmented system of consents issued under successive legislation.

Consenting of new sewage discharges to non-tidal waters began in 1951 under the Rivers (Protection of Pollution) Act. In 1960 the powers of the then River Boards were extended under the Clean Rivers (Estuaries and Tidal Waters) Act to cover new or altered outlets and new discharges of sewage effluent into tidal waters and parts of the sea. This was followed by the Rivers (Prevention of Pollution) Act 1961 which required the River Boards to bring pre-1951 discharges to inland waters under control by the consent procedure.

Initially consents allowing discharges of 20ppm BOD; 30 ppm suspended solids (the so-called 'Royal Commission' standard) were issued as a general practice for most sewage works discharges, but by the early 1970s some environmentally protective consents were being issued on the basis of the needs of the receiving waters rather than to standard limits.

Under the early legislation many discharges - particularly to estuaries and coastal waters - had been outside statutory control, but in 1974 the Control of Pollution Act (COPA) brought all discharges to rivers, estuaries, and coastal waters under statutory control for the first time under the jurisdiction of the newly formed Water Authorities. However, the main body of Part 2 of COPA was not implemented until January 1985, and the provisions of the 1951 and 1961 Acts continued to apply until then. During the late 1970s and early 1980s, in the climate of severely constrained public expenditure, many existing consent conditions were "rationalised" to reflect current performance of sewage treatment works under a procedure agreed by the National Water Council and the Department of the Environment.

Prior to the implementation of COPA Part 2, consents for discharges from sewage works were granted to water authorities by the Department of Environment, or the Welsh Office in Wales. However, in the mid 1980s Her Majesty's Inspectorate of Pollution was established, and the task of issuing discharge consents for sewage works was passed to this new body.

Following the implementation of COPA Part 2, outstanding applications for discharge consents made under the 1951 and 1961 Acts were given "deemed" status (ie considered as if they were legally authorised) pending determination of conditions under the terms of COPA. Nevertheless, the vast majority of previously uncontrolled discharges were initially allowed to remain exempt from control until October 1986 under the terms of a previously introduced Statutory Instrument - The Control of Pollution (Exemption of Discharges from Control) Order 1983 (SI 1983/1182). This instrument was introduced because of Government concern about the immense workload associated with establishing public registers of consents, and the degree of non-compliance with consents which would become apparent when registers and monitoring information became public. As a result, only those existing discharges containing EC listed substances were brought under control at this stage.

In 1986 the Government decided to continue with the implementation of COPA Part 2. As part of a "first stage review" the Control of Pollution (Exemption of Certain Discharges from Control)(Variation) Order 1986 (SI 1986/1623) was issued. This order lifted the exemption granted to most discharges under the 1983 Order, and dischargers were invited to apply for consents between October 1986 and October 1987. Consent applications received within this period were granted unconditional deemed consents - known as "COPA Variation Order Deemed" - which were matched to the discharge quality and quantity at that time as described in the application, but which did not permit a deterioration in discharge quality or a substantial change in effluent volume. The Department of the Environment and the Welsh Office have set a deadline of 15th October 1992 for determination of environmentally protective consents for such discharges (Department of the Environment / Welsh Office letter WP14/86).

In 1987 further concern about non-compliance with consent conditions during the build-up to water privatisation led the Government to propose relaxation of discharge consents at certain sewage treatment works. New environmentally protective consents were issued for some works where the receiving water quality would not deteriorate as a result of consent relaxation, but at other works ("6C works") interim consents (short-term consents granted to cover a set timescale, pending a future review) were issued subject to remedial work being carried out at these works.

Finally, under the Water Act 1989, a further set of discharges requiring consent has emerged. As a temporary measure, the Department of the Environment and the Welsh Office, under Schedule 26 of the Act, have varied the individual consents of many sewage works so that their current discharges would not be in breach of limits set for them at current levels of performance or during the period of projected capital expenditure required to improve them. These relaxed consents were subject to time-limits (replacement by a long-term environmentally protective consent coming into force on a set date) and to so-called upper tier limits that it would be an offence to breach at any time. Following completion of the necessary capital expenditure the consents for such works would revert to the same standards as had been in force beforehand; the deadline for such changes being April 1992. Certain previously unconsented discharges from sewage works - principally storm sewage overflows - have also received deemed consents pending subsequent review by the NRA.

In summary, consents issued for discharges from sewage treatment works are a patchwork mixture of pre-COPA standard limits; pre- and post-COPA environmentally protective consents; and consents granted in transitional situations, such as first stage review deemed consents, 6C interim consents, and 1989 time-limited consents. The situation is further complicated because consents can also be categorised on a numeric or descriptive basis. Numeric consents apply to significant discharges for which the consent specifies numeric limits for the flow and for concentrations of one or more pollutants, whereas non-numeric consents relate to those significant discharges where conditions which influence the acceptability of the discharge are not expressed in terms of numeric limits. Descriptive consents generally relate to smaller discharges of little or no environmental significance, such as those from sewage treatment works serving very small populations.

In future it is envisaged that a catchment-based approach will be taken when granting consents, in which acceptable limits for effluent discharges are assessed against the need for environmental protection and various water-related uses within a particular catchment. This approach has been recommended by the NRA's Policy Group on Discharge Consents and Compliance (Discharge Consent and Compliance Policy: A Blueprint for the Future. NRA 1990). Longer term changes are likely to be driven by European Community legislation. The EC Urban Waste Water Treatment Directive (91/271/EEC) is likely to be particularly relevant in this respect. However, this Directive does not adopt the philosophy of matching discharge quality to water uses, but instead will require sewage effluent to comply with a series of uniform discharge standards based on either final concentrations of BOD, COD, and suspended solids, or by requiring minimum percentage reductions of these parameters.

The complex history of discharge consents has inevitably meant that many discharges from sewage treatment works are not specifically controlled by environmentally protective consents. This means that consent compliance cannot be used as an indicator of the environmental impact of sewage works discharges, and that there is a need to re-evaluate the consents of many sewage treatment works to provide appropriate protection to the environment. This strategy sets out a programme for re-evaluating consents for sewage treatment works discharges so that the ultimate objective of environmental protection for receiving waters will be achieved.

Consent status codes

The following codes are used in subsequent appendices to indicate whether a discharge consent is environmentally protective or otherwise. Sewage treatment works which are compliant with an environmentally protective consent should not cause any impact on the receiving water for the discharge.

A Long Term (Ultimate) Consents

These consents were considered to be environmentally protective when issued and relate to existing NWC Long Term River Quality Objectives. Discharges with such consents should have no impact on the receiving water.

- A1 Consents with conditions more stringent than 150 : 150 : 50 (BOD : Suspended Solids : Ammonia) maximum standard.

- A2 Numerical standards with 150 : 150 : 50 conditions.
- A3 Descriptive consents.

B Long Term Consents

These consents were issued as long term consents but may not be environmentally protective and may have an impact on the receiving water.

- B1 Consents with conditions more stringent than 150 : 150 : 50 (BOD : Suspended Solids : Ammonia) maximum standard.
- B2 Numerical standards with 150 : 150 : 50 conditions.
- B3 Descriptive consents.

C Interim Consents

These are performance based consents issued during "rationalisation" of consent conditions in 1981.

D Interim Consents - 6C works

These are performance based consents with time-limited long term consents (A or B) which will come into force when capital works have been completed.

E Interim Consents - 1989 Failure Review

These are performance based, time-limited consents issued by HMIP which will come into force when capital works have been completed.

- E1 Long term environmentally protective consent
- E2 Performance based consent
- E3 Performance based consent which is judged to be environmentally protective.

APPENDIX 2. Criteria for assessing environmental impact.

Criteria used in assessing the environmental impact of sewage works discharges are listed below. For each criterion, a question is posed about the environmental impact of the given discharge. Answers to this question describe the degree of environmental impact associated with the discharge. Possible answers are listed below in order of the impact exerted upon the environment - ie the answer representing the most adverse impact is listed first. Information used to answer the questions was collected early in 1991.

Inland waters (classified and unclassified).

1. Compliance with downstream objective.

Question: Does the reach downstream of the discharge comply with its long term water quality objective, on the basis of chemical monitoring?

Possible answers:- No (N)
Yes (Y)
No data or no discharge into surface water (eg
soakaway into ground) (-)

2. Population Design.

Question: What is the size of the sewage works, as indicated by design population?

Possible answers:- Large (Design population > 5000) (L)
Medium (Design population 1000 - 5000) (M)
Small (Design population < 1000) (S)
No data (-)

3. Dilution in receiving stream.

Question: What is the dilution of the discharge in the receiving stream?

Possible answers:- Small (Dilution < 1:20) (S)
Medium (Dilution 1:21 - 1:100) (M)
Large (Dilution > 1:101) (L)
No data or no discharge into surface water (-)

4. Aesthetic impact.

Question: Is there an aesthetic impact associated with the discharge?

Possible answers:- Yes (Y)
No (N)
No data or no discharge into surface water (-)

Assessment of aesthetic impact was based on a subjective judgement by the Area Pollution Control Officer taking into account the following factors.

1. Presence of sewage solids (eg paper, plastic, detritus).
2. Presence of sewage fungus.
3. Presence of sulphidic growths on the stream bed.
4. 'Discolouration' of water downstream of the discharge when compared with water upstream.
5. Presence of sewage foam on the water surface.
6. Compliance of the discharge with minimum standards of service.

5. Biological impact.

Question: What is the impact of the discharge on the biological quality of the receiving watercourse?

Possible answers:- Large impact (L)
Moderate impact (M)
No impact (N)
No data (-)

Biological impact was assessed as moderate if one of the following criteria applied and as large if two or more criteria apply:

1. Effluent dilution less than 10:1.
2. Sewage fungus present in or below the mixing zone.
3. Downstream BMWP score more than 40% less than upstream score.
4. Reduced presence of pollution sensitive taxa downstream from discharge.

5. Fisheries impact.

Question: Is there a fisheries impact associated with the discharge?

Possible answers: Yes (Y)
No (N)
No data (-)

Tidal waters.

1. Classified water.

Question: Is the receiving water an estuary classified for the purpose of the DoE Water Quality Survey?

Possible answers:- Yes (Y)
Coastal Water (C)
No (N)
Soakaway influencing coastal water (S)
No information (-)

2. Compliance with classification.

Question: Is the discharge likely to prevent the receiving water from supporting established uses?

Possible answers:- Yes (Y)
No (N)
No data (-)

3. Population design

Question: What is the size of the sewage works, as indicated by design population?

Possible answers:- Large (Design population > 5000) (L)
Medium (Design population 1000 - 5000) (M)
Small (Design population < 1000) (S)
No data (-)

4. Aesthetic impact.

Question: Is there an aesthetic impact associated with the discharge?

Possible answers:- Yes (Y)
No (N)
No data (-)

Assessment of aesthetic impact was carried out as for inland waters using the appropriate criteria from the list given above.

5. Special designation.

Question: Is the receiving water specially designated for conservation purposes in any way?

Possible answers:- Yes (Y)
No (N)
No data (-)

APPENDIX 3. Categorisation of works in Northern Division.

CLASSIFIED WATERS														
Consent Reference	Works Name	Works Grid Ref	Compliance with D/S objective	Pop	Dilution in Receiving Stream	Aesthetic Impact	Biological Impact	Fisheries Impact	Existing Consent Conditions			Consent Status	Category	
									BOD	SS	W3 D.W.P.(m3/d)	Other		
C000010-01	BUCKLEY TY GATE	SJ 27890-62220	Y	20000	0.2:1	Y	L		37	60		18273	C	B
C000176-01	RUTHEIN	SJ 12170-59310	Y	5000	6:1	Y	M		45	75	-	1319	C	B
C000626-01	LIANTYCHAN (REHML/GALLIATOR)	SJ 11420-61770	Y	1000	98:1	Y	M		32	43	-	182	C	B
C000781-01	ST ASAPH	SJ 03220-75070	Y	4000	34:1	Y	M		20	30	-	1650	C	B
C000796-01	LIANTYCHAN	SJ 09330-64380	Y	2000	21:1	Y	M		20	41	-	1000	C	B
C001108-01	SARF MALLATRE	SH 23900-32200	Y	280	28:1	Y	M		31	51	-	33	C	B
C000639-01	PHILLIPS	SJ 11950-54650	Y	400	100:1	Y	M		50	100	25	73	A1	B
C000034-01	LIANTYCHAN	SH 07800-67500	Y	300	146:1	Y	M		75	100	25	45	A1	B
C000785-01	CARRARFON	SH 48100-61800	Y	12500	15:1	Y	M		80	140	35	2840	E3	B
C000266-01	DUNBIGH KILNYSKIN	SJ 07630-65820	Y	10000	2:1	Y	M		23	41	-	2885	C	B
C000891-01	LIANTYCHAN	SH 58300-59900	Y	3550	38:1	Y	L		70	55	-	740	C	B
C000191-01	LIANTYCHAN	SH 79400-61900	Y	3300	203:1	Y	L		65	80	-		A1	B
C000886-01	RYNYS TY RHOS	SH 98800-73800	Y	400	4:1	Y	M		35	60	13	55	C	B
C001076-01	RYNYS	SJ 01920-68540	Y	1000	13:1	Y	M		31	50	10	170	A1	B
C000239-01	MAFFOR	SH 59800-46800	Y	75	568:1	Y	M		-	-	-	2.5	A3	B
C001521-01	DOUDDYLLAN	SH 73900-52400	Y	S	457:1	Y	M		150	150	-	152	D	B
C001146-01	LLAN PIRNACHO	SH 79200-58800	Y	600	112:1	Y			150	150	50	110	E1	B
C001102-01	ABERYDOL	SJ 36600-48420	Y	6	16200:1	Y			250			.9	C	C
C000291-01	ABERYDOL	SH 67400-87100	Y	400	323:1	Y			420	200	-	54	C	C
C000193-01	ABERYDOL	SJ 09230-59490	Y	400	450:1	Y	M		47	60	-	55	C	C
C000015-01	ALA	SH 93770-35560	Y	1900	389:1	Y	M		150	150	50	377	A2	C
C000240-01	BROGELLET	SH 59000-47600	Y	700	194:1	Y	M		48	30	-	200	C	C
C000639-01	RYNYS	SH 61200-67500	Y	5000	38:1	Y	M		100	150	-	1160	A1	C
C000266-01	RYNYS GYRFFIL COCH	SJ 03800-46430	Y	100	39:1	Y	M		85	100	35W/28S	20.5	E	C
C001065-01	RYNYS GYRFFIL	SH 54300-56700	Y	20	8727:1	Y	M		500	130	-	3.5	C	C
C000034-01	BLAUNAU PISTINOG	SH 69500-44100	Y	5820	10.6:1	Y	L		26	39	-	1072	C	C
C000037-01	BORTH (TALINISIN)	SH 61400-89700	Y	6000	17:1	Y	M		27	34	-	818	C	C
C000789-01	RYNYS	SH 26600-38300	Y	600	52:1	Y	M		100	150	36/17	90	C	C
C000720-01	BROUWINGTON	SJ 48650-40710	Y	275	7:1	Y	M		15	36	-	125	C	C
C000759-01	RYNYS	SH 66600-83300	Y	600	58:1	Y	M		80	80	25/S	81	A1	C
C000324-01	RYNYS	SJ 14250-47250	Y	276	76:1	Y	M		75	150	25	34	A1	C
C000227-01	RYNYS (DRINHOLN)	SH 55700-63000	Y	M	S	Y	M		34/25	70/40	15/7		A1	C
C000236-01	CALATHO	SH 49800-62000	Y	270	1096:1	Y	M		65	110	-		A3	C
C000000-01	CALATHO	SJ 13350-72890	Y	1027	10	Y	L				-		C	C
C000436-01	CAPIL CREG	SH 73700-56800	Y	645	481:1	Y	M		150	150	50W/20S	1255	A3	C
C001013-01	CYFF	SJ 27500-41620	Y	9000	386:1	Y	M		55	85		91	A1	C
C000521-01	CARRIGTUDION	SH 95100-48330	Y	468	22:1	Y	M		50	60	50	1132	C	C
C000504-01	CHIRK BROSTNAU	SJ 29500-40820	Y	6200	400:1	Y	M						E	C

CLASSIFIED WATERS (CONTINUED)

Consent Reference	Works Name	Works Grid Ref	Compliance with D/S objective	Pop Design	Dilution in Receiving Stream
CG00122-01	CENILOG	SH 43600-38100	Y	600	52:1
CM00244-01	CILCAIN/PANTYNYN	SJ 19100-65500	Y	1500	SWALLOWHOLE
CM00215-01	CLUTTON TATTENHALL	SJ 45700-54370	N	100	300:1
CG00017-01	CORRIS ISAF (LOWER CORRIS)	SH 75500-07400	Y	S	158:1
CM01183-01	CORNEN	SJ 00300-43500	Y	1500	1923:1
CG00765-01	CWM PKRMACHNO	SH 76790-48030	Y	450	131:1
CM00145-01	CYFFILLIOG	SJ 06390-57610	N	133	181:1
CM01493-01	CYENYD	SJ 05360-40910	Y	420	941:1
CG01100-01	DINAS MANDWY	SH 85900-14400	Y	385	586:1
CM00388-01	DIERHALL	SJ 00710-44690	Y	S	941:1
CM00079-01	DOLYMER	SJ 22440-37250	Y	305	428:1
CM00359-01	DYSIRTH	SJ 05150-79770	Y	3500	8:1
CM00214-01	FARDON	SJ 41330-53870	Y	1500	4700:1
CM00770-01	FIVE FORDS (WREXHAM)	SJ 36230-48370	N	81600	0.99:1
CM01015-01	FRONCYSTLLE	SJ 27110-41960	Y	1000	4324:1
CG01141-01	GAKENTH	SH 46800-72500	N	2400	34:1
CG01101-01	GALLTYFOL	SH 58300-62700	Y	S	N
CG00290-01	GALLWYD	SH 72700-24100	Y	70	3430:1
CG00005-01	GARNEDDWR	SH 76400-00700	Y	40	2225:1
CM00210-01	GLYNCEIRIOG	SJ 20940-37830	Y	900	222:1
CM00092-01	GRAIGFECAN	SJ 14430-54350	N	120	31:1
CM00406-01	GRESFORD	SJ 34800-55780	N	15000	11:1
CM01020-01	HOLT	SJ 40190-54520	Y	1000	700:1
CM00750-01	HOPK	SJ 30540-50070	Y	10150	110:1
CM00775-01	LAVISTER	SJ 37730-58510	Y	6600	2.1:1
CM00946-01	LLANARNON MAES Y LLAN	SJ 18570-56090	Y	S	SWALLOWHOLE
CM00012-01	LLANARNON-YN-IAL	SJ 19000-55000	N	250	90:1
CM00060-01	LLANDRILLO	SJ 03550-37480	Y	428	263:1
CG01145-01	LLANRCHYRDD	SH 41700-84400	N	1000	1.5:1
CG00781-01	LLANFAGLAN	SH 46800-59400	Y	6500	26:1
CM00791-01	LLANFAIR TALHAIRN	SH 93070-70500	N	600	134:1
CM01510-01	LLANFIRANGEL GLYN NYFYR	SH 99140-49180	Y	S	1118:1
CM01607-01	LLANTOR	SH 93950-36450	Y	100	7580:1
CG00787-01	LLANPROTHKE GARRIG	SH 60900-42000	Y	410	67:1
CM00118-01	LLANFYNYDD	SJ 27620-56750	Y	100	140:1
CG00192-01	LLANGATFO	SH 44600-67700	Y	350	14:1

Aesthetic Impact	Biological Impact	Fisheries Impact	Existing Consent Conditions				Other	Consent Status	Category
			BOD	SS	NH3	D.W.F.(m3/d)			
N	L		60	55	-	83	-	C	C
Y			100	75		241		C	C
N			150	150	50	20.3		A2	C
N			50	75	30/15	109	-	C	C
N	M		75	100	25	257		A1	C
Y			20	30	-	61	-	C	C
N	M		80	140	25	18.1	-	A1	C
N	M		150	150		90.8		A2	C
N			-	DESCRIPTIVE		56	-	A3	C
N	M			DESCRIPTIVE		9.1		A3	C
Y	M		150	150	50	50		A2	C
N	M		22	35	9	454	-	B1	C
N			150	150	50	210		A2	C
Y	L		25	55	10	20780		K	C
N			150	150	50	114		A2	C
Y			15	30	15	1700	-	D	C
N	M	N	90	100		15	-	A3	C
N			-	-	-	13.6	-	A3	C
N	M			DESCRIPTIVE				A3	C
N	M		170/150	230/150	80/50	124		A2	C
N	M		80	100	25	20.3	-	A1	C
Y	M		40	60		3590		C	C
N	M		150	150	50	2110		A2	C
N	M		16	30	15	2237		C	C
N	M		17	32	10	1619		C	C
N				DESCRIPTIVE		2	-	A3	C
N	M		95S/45W	150	30S/41W	36	-	B1	C
N	M		75	95		50		C	C
Y	L	Y	35	70	-	137	-	D1	C
N	M		34	41	-	2485	-	B1	C
N	M		42	50	-	81.8	-	C	C
N	M			DESCRIPTIVE		17		A3	C
N	M			DESCRIPTIVE		18		A3	C
N	M		46	90	-	56	-	A1	C
N	M		45	100	25	19		A1	C
N	M		55	70	-		-	B1	C

Appendix 3 (continued).

CLASSIFIED WATERS (CONTINUED)

Consent Reference	Works Name	Works Grid Ref	Compliance with D/S objective	Pop Design	Dilution in Receiving Stream	Aesthetic Impact	Biological Impact
CG00780-01	LLANGYFNI	SH 46400-74500	N	4500	3.8:1	Y	N
CG00854-01	LLANGOLLEK	SJ 23450-42360	Y	3000	840:1	N	
CG00662-01	LLANGOWER	SH 90440-32340	Y	30	1032:1	N	N
CG00875-01	LLANLLYFNI	SH 46000-51900	Y	6500	24:1	N	N
CG00739-01	LLANRUG	SH 53100-64100	Y	2400	103:1	Y	N
CG00189-01	LLANSANNAN	SH 93710-66010	N	480	155:1	N	
CG00142-01	LLANYSTUDWY (A)	SH 47300-38300	Y	230	692:1	N	N
CG00151-01	LLANYSTUDWY (B)	SH 47200-38400	Y	30	6151:1	Y	
CG00830-01	MACHYWILLETH	SH 74200-00000	Y	L	614:1	Y	N
CG91235-01	MELIN-Y-WIG	SJ 04090-48600	Y	34	L	N	N
CG00272-01	MIN-Y-REOS	SJ 14690-47440	Y	16	772:1	N	N
CG00276-01	NANT PERIS	SH 60500-58200	Y	50	1761:1	Y	N
CG00941-01	NENBOROUGH	SH 42800-65300	Y	N	L	N	N
CG00137-01	OVERTON	SJ 36620-41640		1000	800:1		
CG00222-01	PANDY	SJ 19680-35880	Y	100	520:1	N	N
CG01902-01	PENRHALLY	SJ 14500-42700	Y	S	L	N	
CG00777-01	PENTREFOLIAS	SH 87000-51300	Y	360	278:1	Y	N
CG00435-01	PENTYSTRYT	SJ 19500-51800	Y	240	50:1	N	N
CG00217-01	PONTFADOG	SJ 24170-38440	Y	300	079:1	N	N
CG00894-01	ROWEN	SH 76000-71700	Y	600	42:1	N	
CG01094-01	TALTBONT (DYFED)	SH 65700-89100	Y	1000	62:1	N	N
CG00760-01	TRANSFYNYDD (FRONGALED)	SH 71100-35100	Y	1400	78:1	N	N
CG00490-01	TREPHANT	SJ 06100-71710	Y	2050	214	N	N
CG01337-01	TRECARTH	SH 60800-68500	Y	2730	111:1	N	
CG00219-01	TRECHIRIOL	SJ 17930-33630	Y	68	782:1	N	N
CG00859-01	MAUFPANR (ARFON)	SH 52900-58900	Y	700	266:1	N	N
CG00013-01	WORTHKEBURY	SJ 42100-45900	N	S	6000:1	N	N
CG01112-01	ABYRRERCH	SH 39600-36700	Y	438	202:1	N	N
CG01077-01	ABYRLEFFENI	SH 77000-09500	Y	150	550:1	N	N
CG01152-01	ALDFORD	SJ 42150-59560	Y	200	158:1	N	N
CG00607-01	BANGOR (ISYCORD)	SJ 39540-46030	Y	1050	4279:1	N	
CG00762-01	BETHANIA	SH 62600-50300	Y	12	16235:1	N	
CG00990-01	BETNS Y CORD	SH 79550-57020	Y	S	147:1	N	
CG01494-01	BOWLING BANK	SJ 39900-48200	Y	120	4061:1	N	N
CG01096-01	BRO NKUDWY	SH 12800-50900	Y	S	L	N	

Fisheries/ Impact	Existing Consent Conditions					Consent Status	Category
	BOD	SS	NH3	D.W.F.(m3/d)	Other		
Y	130	165	-	2465	-	D1	C
	31	46		1200		C	C
		DESCRIPTIVE		4.9		A3	C
H	23	31	-	777.4	-	C	C
	20	30	-	272	-	B1	C
	50	60	-	65.5	-	C	C
	39	42	-	44	-	C	C
	150	150	50	4.95	-	A1	C
	150	100	-	541	-	D	C
		DESCRIPTIVE				A2	C
		DESCRIPTIVE		4.6		A3	C
		DESCRIPTIVE				A3	C
	60	80				B1	C
	150	150	50	154.5	-	D	C
		DESCRIPTIVE		11.4		A3	C
		DESCRIPTIVE				A3	C
	150	150	50	4.1	-	B1	C
	75	120	105/30W	36		D	C
		DESCRIPTIVE		34		A3	C
	29	38	-	95.5	-	B1	C
	30	43	-	138	-	A1	C
	150	150	-	177	-	A2	C
	35	50	15	372	-	A1	C
	100	150W/100S	-	410	-	A1	C
		DESCRIPTIVE		13.6		A3	C
	100	150	-		-	A1	C
	180	260		2.7		C	C
	55	70	-	60	-	C	A
	220	340	-	20	-	C	A
	175	165	55	47		D	A
	150	150	50	137		A2	A
		DESCRIPTIVE				B3	A
	100	150	-	488	-	A1	A
		DESCRIPTIVE		8.5		A3	A
		DESCRIPTIVE				A3	A

CLASSIFIED WATERS (CONTINUED)

Consent Reference	Works Name	Works Grid Ref	Compliance with; D/S objective	Pop Design	Dilution in Receiving Stream
CG00146-01	ERTHCIR	SH 48000-44300	Y	100	126:1
CG00776-01	CAPIL GARNON	SH 81500-55300	Y	77	4:1
CM00005-01	CARROG	SJ 11740-43710	Y	250	21343:1
CG00596-01	CYMAKS ROAD	SH 81000-04600	Y	750	1037:1
CM01121-01	ERBISTOCK	SJ 35470-42830	Y	S	317000:1
CM01900-01	FOUR CROSSES	SJ 03400-42900	Y	S	L
CG00124-01	FOURCROSSES	SH 40200-39100	Y	330	228:1
CM00773-01	FRON GOCH	SH 90500-39120	Y	203	179:1
CG00000-01	GARDOLSKENMARN	SH 49600-42900	Y	464	292:1
CM00268-01	GLYNDYFRDWT	SJ 15270-42950	Y	224	27100:1
CM00220-01	HALTON	SJ 30420-40550	Y	370	9870:1
CG00335-01	LLAN-LLANBYNMAIR	SH 80600-00400	Y	230	306:1
CM00221-01	LLANARMON DYFFRYN CEIRIOG	SJ 15970-32870	Y	150	496:1
CG01142-01	LLANBYNMAIR	SH 89300-02600	Y	500	241:1
CM00008-01	LLANWCELLYN	SH 88100-30300	Y	500	176:1
CM00132-01	LLIDIART ANNIK	SJ 10020-44450	Y	S	8889:1
CG01263-01	MACHYNLLETH DYPI BRIDGE	SH 74350-01940	Y	S	63022:1
CG01555-01	MALLWTD	SH 86200-12300		90	
CG00713-01	NANTGWYNANT	SH 63200-51100	Y	30	5760:1
CG00228-01	PANTGLAS	SH47000-47200	Y	40	435:1
CM00553-01	PARC	SH 87740-33800	Y	66	648:1
CG01341-01	PENISARWARN	SH 55000-63600	Y		308:1
CM00287-01	PORTFARN	SJ 27970-37030	Y	S	3764:1
CG00241-01	RHTD DDU	SH 57000-52900	Y	100	102:1
CG00129-01	SARN (COUNCIL HOUSES)	SH 24500-31700	Y	35	338:1
CG00021-01	TALYBONT (BANGOR) (PRICK BROS)	SH 60250-70650	Y	333	774:1
CM00100-01	TRYWERN DAM	SH 80330-39800	Y	20	4391:1
CG00003-01	YSBITT IFAN	SH 84400-49000	Y	300	404:1

Aesthetic Impact	Biological Impact	Fisheries Impact	Existing Consent Conditions					Consent Status	Category
			BOD	SS	NH3	D.W.F.(m3/d)	Other		
N	N		150	150	50/25	17	-	C	A
N	N	N		DESCRIPTIVE				A1	A
N				DESCRIPTIVE		28		A3	A
N	N		31	30	-	102	-	C	A
N				DESCRIPTIVE		1.8		A3	A
N				DESCRIPTIVE				A3	A
N	N		60	45	-	45	-	C	A
N	N			DESCRIPTIVE		36.9		A3	A
N	N		150	150	50/S	59.8	-	C	A
N				DESCRIPTIVE		25.5		A3	A
N			150	150	50	50		A2	A
N				DESCRIPTIVE				A3	A
N	N		150	150	50	17	-	A2	A
N	N		150	150	-	68	-	A2	A
N	N		44	80		68	-	C	A
N				DESCRIPTIVE		5.5		A3	A
N				DESCRIPTIVE				A3	A
N				SOAKAWAY				A3	A
N				DESCRIPTIVE				B3	A
N			-	-	-		-	A3	A
N	N			DESCRIPTIVE		9.5		A3	A
N	N		60	80	-	111	-	A1	A
N				DESCRIPTIVE		7		A3	A
N	N	N		DESCRIPTIVE				A3	A
N				DESCRIPTIVE				C	A
N	N		100	140	50W/205S	138	-	A1	A
N	N			DESCRIPTIVE		7.27		A3	A
N			55	48	-	47.3	-	C	A

Appendix 3 (continued).

Consent Reference	Works Name	Works Grid Ref	Compliance with D/S objective	Pop Design	Dilution in Receiving Stream
CM00554-01	LLANASA	SJ 12310-83410	N	11800	1.5:1
CG00580-01	PRIYTRANTH	SH 52300-78700	N	1300	8.8:1
CM00297-01	SYCHDYH	SJ 24640-66740	N	2000	0.8:1
CM01055-01	TATTENHALL	SJ 47830-59180	N	1000	3:1
CM00308-01	LEKSWOOD	SJ 27250-60270	Y	3600	S
CG01140-01	BODIDYRN	SH 33300-80800	N	1525	3.5:1
CM00571-01	LIXM (WHEELER HILL)	SJ 16600-70100	N	1370	29:1
CG00857-01	BETHL	SH 51600-65200	N	850	3:1
CG00583-01	GWALCHMAI	SH 39500-75500	N	700	0.5:1
CG00581-01	LLANFECHELL	SH 37400-91400	N	800	6.8:1
CM00290-01	CHURTON	SJ 42400-56350	N	480	2:1
CG00127-01	DINAS	SH 26800-36400	N	25	5.6:1
CG01076-01	FRIOG	SH 61800-12500	N	30	1:1
CG00840-01	LLANFARS (A)	SH 60800-77700	N	885	4.5:1
CG00899-01	LLANFARS (B)	SH 60900-77800	N	885	4.5:1
CG00620-01	BODDIFORD	SH 42900-76800	N	500	5:1
CG00628-01	LLANFAIR DYFFRYN CLWYD	SJ 13640-56040	N	380	2:1
CM00096-01	TYRREIRCHION	SJ 06800-72610	N	200	1.7
CM00675-01	CFYF MAIRWEN	SJ 02070-72100	N	120	4:1
CM00744-01	LLANILIDAN	SJ 10800-50380	N	110	20:1
CG00232-01	BWLCHYLLYN	SH 50400-55200	N	30	96:1
CG01718-01	ARTHOG COUNCIL HOUSES	SH 62700-13600	N	S	N
CM00947-01	KILSTERTON	SJ 27980-70690	N	S	L
CM00288-01	TYRLLANWYD	SJ 08720-79300	Y	1300	7.5:1
CM00729-01	CLAWDD NEWYDD	SJ 08250-52830	Y	258	0.5:1
CM00127-01	HAHNRACH	SJ 16660-69250	Y	260	30:1
CG01002-01	ABYRDARON	SH 17600-26400	Y	800	21:1
CG01093-01	ARTHOG	SH 62700-13600	Y	30	62:1
CG01717-01	ARTHOG CASTELL	SH 63730-14240	Y	S	1:1
CG01716-01	ARTHOG GLASFRYD TERRACE	SH 63100-13520	Y	S	1:1
CG01718-01	ARTHOG TERRACE	SH 63981-14714	Y	S	1:1
CG01557-01	ARTHOG WESLEY TERRACE	SH 64680-14760	Y	28	S
CM01160-01	BACKFORD	SJ 39730-71250	Y	150	15:1
CM00957-01	BARTON CODDINGTON LAKE	SJ 44700-54400	Y	S	S
CM01042-01	BOTIGNWL	SH 97190-76820	N	100	3:1

Aesthetic Impact	Biological Impact	Fisheries Impact	Existing Consent Conditions					Consent Status	Category
			BOD	SS	NH3	D.W.F.(m3/d)	Other		
N	N		24	43	-	-	-	C	B
Y	L		28	35	-	237	-	B1	B
Y	L		70	130	-	-	-	N	B
Y	L		20	30	-	220	-	B1	B
Y	M		45	65	-	409	-	C	B
N	M	Y	26	50	-	234	-	C	B
Y	M		30	75	18	218	-	A1	B
Y	L	Y	55	60	-	166	-	B1	B
Y	L		40	70	-	302	-	D1	B
Y	M	Y	30	60	-	145	-	B1	B
Y	M		45	65	-	64	-	B1	B
N	M		120	160	-	4.5	-	C	B
Y			380	180	-	4.5	-	C	B
N	L	Y	30	36	-	-	-	B1	B
N	L	Y	31	49	-	-	-	B1	B
N	M	Y	25	55	-	60	-	A1	B
N	M		45	100	-	70	-	C	B
N	M		24	50	17	58.3	-	A1	B
N			55	60	-	-	-	C	B
N			60	75	-	18	-	C	B
Y	M		340	190	-	4.1	-	C	B
N			280	140	-	16.8	-	A3	B
Y			150	250	-	-	-	C	B
N	M		46	80	-	207	-	C	B
Y			35	70	-	47	-	C	B
N	M		55	130	-	45	-	C	B
N			70	100	-	98	-	A1	C
Y	M		280	140	-	16.8	-	C	C
N				DESCRIPTIVE					C
N				DESCRIPTIVE				A3	C
N				DESCRIPTIVE				A3	C
N				DESCRIPTIVE				A3	C
N			35	60	-	-	-	K3	C
Y			450	500	-	3.7	-	C	C
N			75	110	-	28.6	-	C	C

UNCLASSIFIED WATERS (CONTINUED)															
Consent Reference	Works Name	Works Grid Ref	Compliance with D/S objective	Pop Design	Dilution in Receiving Stream	Aesthetic Impact	Biological Impact	Fisheries Impact	Existing Consent Conditions					Consent Status	Category
									BOD	SS	NH3	D.W.F.(m3/d)	Other		
CG00700-01	BRITHDIR	SH 77000-19400	Y	250	40:1	N	L		80	80	20	-	23	A1	C
CG00867-01	BROWABER	SH 71100-31400	Y	900	24.5:1	N	M		120	110	-	122	-	D	C
CG001390-01	BYNCRONS	SH 23000-31400	Y	30	34:1	N	L		50	70	25	15	-	A1	C
CG01097-01	BYNDU	SH 34100-72400	Y	535	18.1	N	N		27	42	-	106	-	B1	C
CG00766-01	BYNCGWRAN	SH 34300-77400	Y	600	55:1	N	M	N	42	65	-	90	-	B1	C
CM00037-01	BURTON	SJ 31220-73800	N	550	S	Y	L		80	75	-	105	-	N	C
CM00944-01	CLOCAHOG	SJ 08400-54130	N	36	150:1	N	M		DESCRIPTIVE					A2	C
CG01096-01	COND Y FROD	SH 29600-29900	Y	24	10.6:1	Y			25	45	-	3.3	-	C	C
CM00953-01	DERMEN	SJ 07130-50670	N	S	L	N			300	250	-	-	-	C	C
CG01697-01	DERMENLAS	SH 72300-99200	Y	120	8:1	N			90	100	-	21.5	-	A1	C
CM00446-01	DOBSHILL	SJ 30600-64250	Y	200	20:1	Y	M		110	170	-	23	-	D	C
CG01502-01	DOLMID	SH 81750-77770	Y	S	L				DESCRIPTIVE					A3	C
CG00437-01	DYFFRYN ARDUWY	SH 57800-23600	Y	5800	2.7:1	N	L		85	120	-	749	-	C	C
CG00140-01	RYAILLWYDD	SH 35000-35600	Y	300	4.3:1	N			41	48	-	45	-	C	C
CG00307-01	YGLWYSEACH	SH 80100-70900	Y	520	26:1	N	M		40	60	-	-	-	C	C
CM01426-01	KRYNYS	SJ 20170-58110	Y	130	SWALLOWHOLE	N			120	110		20.45		R3	C
CM00951-01	FENES BANK	SJ 51230-38960	N	S		N			500	400		1.9		C	C
CM01898-01	FLINT THE MEADOWS	SJ 24000-72800	Y	S	L	Y			DESCRIPTIVE					A3	C
CG00605-01	GELLILYDAN	SH 60600-40000	Y	440	23:1	N	N		26	37	-	64	-	C	C
CG00642-01	GLASFRYD	SH 91800-50100	Y	100	10:1	N	M		40	60	-	-	-	A1	C
CM01885-01	GRAIANFRYD	SJ 21440-56090	Y	10	S	Y	M		150	160		8.5		D	C
CM00188-01	GROES BROHALLT	SJ 00660-65090	Y	71	5:1	N	L		35	50	-	19.6	-	C	C
CG01088-01	GROESFFORDD	SH 76900-75700	Y	80	358:1	N	L		DESCRIPTIVE					A3	C
CM00226-01	GWYTHKRIN	SH 87800-61570	N	67	204:1	N	M		20	30	-	9.1	-	C	C
CG01083-01	GYRN GOCH	SH 40350-48630	Y	98	65:1	N	N		150	150		10	-	A2	C
CM00950-01	HARKE ARROWRY	SJ 46130-38980	Y	S	S	Y			80	150		4.7		N	C
CG00810-01	HEMRYD	SH 76800-74700	Y	260	46:1	N			34	85	-	46	-	C	C
CM01497-01	HIGHER LANES	SJ 47950-42970		S		Y			240	150		3.8		A3	C
CM00448-01	ISTCOED MARSHLEA	SJ 39820-50820	N	S	300:1	N			150	250		1.8		C	C
CM01156-01	KINNERTON (LOWER)	SJ 34490-62100	Y	40	S	Y			150	250		8		C	C
CG00588-01	LLAN FFESTINIOG	SH 69900-41500	Y	2000	2.9:1	Y			40	100	-	179	-	A1	C
CG00126-01	LLANWLLANARH	SH 38400-45400	Y	490	12.7:1	N	M		70	60	-	61	-	C	C
CM00494-01	LLANBEDR D C	SJ 13520-59100	Y	825	23:1	N	M		50	75	20	150	-	C	C
CM00452-01	LLANDDREFEL	SH 90310-37010	Y	250	34:1	N			75	150	50W/25S	22.7	-	A1	C
CG01103-01	LLANDDUSANT	SH 34700-84900	Y	350	90:1	Y	M		20	55	-	48	-	C	C
CG00856-01	LLANDCWN (CILFOR)	SH 62050-37820	Y	250	13:1	N			70	100	-	36	-	C	C

UNCLASSIFIED MATTERS (CONTINUED)

Consent Reference	Works Name	Works Grid Ref	Compliance with D/S objective	Pop Design	Dilution in Receiving Stream
CG01027-01	LLANDIGAI IND EST.2	SH 58900-71100	Y	S	58:1
CG00187-01	LLANFYDD	SH 98280-70830	Y	358	1:1
CG01143-01	LLANGRYN	SH 61600-85700	Y	250	5:1
CG00353-01	LLANTILIAN TN RHOS	SH 86500-76400	N	80	20:1
CG01109-01	LLANFACHRETH	SH 75300-22300	Y	150	28.3:1
CG01102-01	LLANFANTHLO	SH 31700-87000	Y	160	11:1
CG00758-01	LLANGYBI	SH 43000-40300	Y	188	38.9:1
CG01081-01	LLANILYSTYH	SH 28700-33600	Y	70	65:1
CG00643-01	LLANLLYCHID	SH 62100-68600	Y	170	20:1
CG01118-01	LLANTWYS	SJ 10190-82920	N	S	S
CG00133-01	LLITHFAH	SH 36000-42400	Y	700	10:1
CG00772-01	LLYNFAKS	SH 41100-78100	Y	91	2.8:1
CG00804-01	MALPAS (WHITCHURCH ROAD)	SJ 49470-46950	Y	1000	2.2:1
CG00306-01	MELIN Y COND	SH 81200-60600	Y	80	140:1
CG00310-01	MOLD	SJ 24730-63160	Y	16500	1.5:1
CG01011-01	MOLD STN - FILTERS	SJ 24630 63280	Y	L	S
CG00308-01	MYNYTHO	SH 30500-30100	Y	950	2.9:1
CG00779-01	NANTGLYN (UPPER AND LOWER TIERS)	SJ 00730-62230	N	200	47:1
CG00775-01	NEDD (VILLAGE)	SH 83500-56000	Y	31	2:1
CG00665-01	NOMANSHRATH	SJ 50910-47700	Y	S	3.5:1
CG00380-01	NORTHOP	SJ 25110-68870	Y	1350	3:1
CG00016-01	PARDY TUDOR	SH 86110-64330	N	100	65:1
CG01090-01	PENCAERNISIOG	SH 35400-73500	Y	230	82:1
CG01183-01	PENLLET	SJ 41480-40460	N	4000	1:1
CG00149-01	PENMORFA	SH 55100-40300	Y	100	4.4:1
CG00754-01	PENRIAL	SH 70200-00100	Y	N	N
CG00136-01	PENRYYS	SH 34600-39700	Y	20	878:1
CG00413-01	PENRHOS CAMP	SH 33900-33800	Y	400	2.9:1
CG00955-01	PENYTR LLYN CYMHR	SH 97380-52850	Y	S	414:1
CG00733-01	PENYTRIFELIN	SH 52940-39540	Y	60	21:1
CG00782-01	PENYTRUCAP (1)	SH 35700-38800	Y	48	20:1
CG00290-01	PENYTFORDD	SJ 31120-60880	Y	4000	S
CG01105-01	PISTYLL	SH 32400-42000	Y	98	5.9:1
CG00746-01	PONTLLYFNI	SH 43300-52700	Y	830	232:1
CG00060-01	RHINLAS	SH 57300-00200	N	584	14:1
CG00442-01	RHOSKSMOR	SJ 21000-68150	Y	1097	0.0:1

Aesthetic Impact	Biological Impact	Fisheries Impact	Existing Consent Conditions					Consent Status	Category
			BOD	SS	NH3	D.W.F.(m3/d)	Other		
N		N	50	100	-	100	-	B1	C
N	L		110	160	-	18.2	-	C	C
N			49	40	-	34	-	C	C
N			130	90	-	11	-	C	C
Y	M		90	150	35	32.8	-	A1	C
N	M	N	49	95	-	21.8	-	B1	C
N			27	34	-	34	-	C	C
N	L		95	120	-	4.7	-	A1	C
N	N	N	22	46	-	11.4	-	B1	C
N			45	85	-	2.7	-	A1	C
N	L		67	40	-	68	-	C	C
N	M	N	42	110	-	16	-	B1	C
Y	M		20	55	-	900	-	C	C
N	M		120	150	-	-	-	A1	C
N	M		10	45	5S/10W	3500	-	A1	C
N			10	45	5S/10W	3500	-	A1	C
N			49	60	-	113	-	C	C
N	M		100	100	25	36.4	-	B1	C
N	M		80	220	-	3.5	-	A1	C
N	M		22	40	-	85	-	C	C
Y	M		60	60	-	218	-	C	C
N	M		150	150	50	11.4	-	A2	C
N	M		40	40	-	23	-	B1	C
N	M		21	70	-	102	-	C	C
N			70	42	-	13.5	-	C	C
N			75	150	50W/15S	148	-	A1	C
N	M		DISCRIPTIVE					A3	C
N			110	130	-	71	-	D	C
N	M		DISCRIPTIVE					A3	C
N			33	29	-	45	-	C	C
N	M		98	100	-	6.5	-	A1	C
Y	L		25	38	-	772	-	C	C
N			300	540	-	13.6	-	D	C
N	M		34	44	-	94	-	C	C
Y	L	Y	75	90	-	6.8	-	D1	C
B	M		50	55	-	175	-	R	C

UNCLASSIFIED WATERS (CONTINUED)

Consent Reference	Works Name	Works Grid Ref	Compliance with D/S objective	Pop Design	Dilution in Receiving Stream
CG00815-01	RHOSPANE	SH 36900-39000	Y	200	37:1
CG00144-01	RHOSLAN	SH 40200-40700	Y	60	19:1
CG01078-01	RHOSLEPAIN	SH 57400-05600	Y	50	<10:1
CG01106-01	RHYD	SB 63700-41700	Y	40	51.7:1
CG00454-01	RHYDOCHAF	SH 90250-37950	Y	S	241:1
CG00569-01	RHYDWTN	SH 31200-80000	Y	450	5.8:1
CG01107-01	RHYDCLAFDY	SH 32800-34600	Y	220	19:1
CG00042-01	RHYDWTN	SJ 20900-66500	Y	530	9.4:1
CG01834-01	SAIGHTON	SJ 44530-61700	Y	160	S
CG00945-01	SARNAU	SH 97100-39330	Y	S	S
CG00943-01	SARON	SJ 02750-60000	N	15	10:1
CG01095-01	SEA VIEW COTTAGES	SB 38000-46900	Y	40	<4.3:1
CG00368-01	SILATTN	SJ 20670-34000	Y	140	38:1
CG01091-01	TAI CYTHAKAP (1)	SH 68800-19400	Y	25	1152:1
CG00235-01	TAI LOH	SH 44300-50000	Y	20	450:1
CG01719-01	TALKERDIG	SB 92900-00210	Y	S	N
CG00714-01	TALSARNAU	SH 01000-35900	Y	542	5.6:1
CG00218-01	TILSTON	SJ 45520-51590	Y	160	20:1
CG00661-01	TRYDDYN	SJ 25630-57990	Y	1100	1.3:1
CG01107-01	TRYDDYN BRIDGE TERRACE	SJ 25580-57920	N	20	156:1
CG00277-01	TRYDDYN LODGE VILLAS	SJ 26330-58220	N	15	125:1
CG00745-01	TYDDYN HTWL	SH 39100-47600	Y	62	52:1
CG00731-01	WHITCHEURCH	SJ 51650-41020	Y	L	S
CG00942-01	WHITEHURST	SJ 29050-40030	Y	120	153:1
CG00443-01	WHITEFORD	SJ 15140-78180	Y	130	33:1
CG01541-01	WILLOW BUCKLEY (PNETRE)	SJ 27500-65000	B	S	N
CG01709-01	WYSLAS CORNER	SH 61100-92600	Y		1:1
CG00737-01	ARBRANGILL	SH 84600-09800		200	
CG01587-01	ARKRCRGIR	SH 00360-60170	Y	S	403:1
CG01280-01	ALWEN RES. S/T	SH 96200-52800		S	
CG01280-02	ALWEN RES. WORKS	SH 95000-52900		S	
CG01566-01	ARTHOG MORFA MANDDACH	SH 63030-13920		S	
CG01272-01	BODUAN	SH 30800-3865			
CG00936-01	BOWTUCKIL	SJ 00440-57800		16	
CG01115-01	BROUGHALL	SJ 56600-41350		S	

Aesthetic Impact	Biological Impact	Fisheries Impact	Existing Consent Conditions					Consent Status	Category
			BOD	SS	NH3	D.W.F.(m3/d)	Other		
N	N		20	30	-	10.2	-	C	C
N	N		85	75	-	9	-	C	C
Y	N		-	-	-	5.7	-	K3	C
N	N		DESCRIPTIVE					C	C
N			150	150	50	4.6		A2	C
N	N		10	45	-	82	-	B1	C
N			55	85	-	35	-	C	C
Y	N		25	50				D	C
Y			40	60				D	C
N	N		55	80		3.95		D	C
N			100	150	30	3.8	-	A1	C
N	N		DESCRIPTIVE					A1	C
N			55	100		23		C	C
N			DESCRIPTIVE					A3	C
Y	N		350	150	-	2.7	-	C	C
Y			DESCRIPTIVE					A3	C
N	N		22	32	-	95	-	A1	C
Y	N		85	150	15	82		D	C
Y	L		20	55		275		C	C
N	N		DESCRIPTIVE					A3	C
N			DESCRIPTIVE					A3	C
N			275	250	-	8.5	-	K3	C
N	L		32	55	10			C	C
N	N		DESCRIPTIVE					A3	C
N			60	150	30	30	-	A1	C
Y			DESCRIPTIVE - SOAKAWAY/OVERFLOW					A3	C
Y			DESCRIPTIVE					A3	C
N			SOAKAWAY					A3	A
N			-	-	-	15	-	A3	A
N			DESCRIPTIVE - SOAKAWAY					A3	A
N			DESCRIPTIVE - SOAKAWAY					A3	A
N			SOAKAWAY 4.5					B3	A
N			SOAKAWAY 6.48					A3	A
N			SOAKAWAY					C	A
N			DESCRIPTIVE - SOAKAWAY					A3	A

Appendix 3 (continued).

UNCLASSIFIED MATRES (CONTINUED)

Consent Reference	Works Name	Works Grid Ref	Compliance with D/S objective	Pop Design	Dilution in Receiving Stream
CG01097-01	BRYNDU LLANFARLOG	SH 34180-72290			
CG01552-01	BYLCHAU	SH 97480-82980		S	
	CAPPL UCHAF	SH 42730-49980		24	
CG01542-01	COLD HARBOUR	SJ 29200-63800		S	
CG01560-01	CORRIS UCHAF	SH 74800-08500		400	
CG01098-01	CRAIG DINAS	SH 88200-54400	Y	S	L
CG01330-01	CROKSOR (3)	SH 63100-44600	Y	S	142:1
CG00331-01	CTHWYD GWALIA COTTAGES	SJ 05800-41500		S	
CG00805-01	DAROWEN	SH 83200-01400		100	
CG01564-01	DINORWIC (3) KINFFORDD	SH 58800-61500		25	
CG01565-01	DINORWIC (4) CHAPPL	SH 58700-61400		45	
CG01089-01	EASTWICK	SJ 37330-37450		S	
CG00952-01	EDGE (BRASSKY'S CONTRACT ROAD)	SJ 48440-50290		66	
CG01903-01	KRIANALLY	SJ 19700-43200	Y	S	L
CG00729-01	ESGAIRNILLIOG (CHINWS)	SH 75900-06000	Y	150	140:1
CG01027-01	FFRITH	SJ 28740-55150	Y	400	125:1
CG00109-01	FLINT MOUNTAIN	SJ 23750-70200		120	
CG00451-01	GLANTAFON	SJ 02460-42640	Y	S	144:1
CG01715-01	GLYN MALDEN	SH 70730-18200		S	
CG01089-01	GRAIG	SH 80240-74220	Y	S	407:1
CG00948-01	HORSEMAN'S GREEN	SJ 45130-40850		S	
CG00657-01	LLANDYFRYDOG	SH 44800-07200			
CG00405-01	LLANHOR	SH 35000-37000	Y	200	170:1
CG01556-01	LLANYMANDWY	SH 90300-18700		S	
CG01895-01	LYNTON & CARTHOR	SH 10700-61300	Y	S	L
CG00712-01	MAES-Y-GROES	SJ 19190-63490		2900	
CG01897-01	MARSHWYLLFA LLANERHARAD	SH 08700-62400		S	
CG01435-01	MARLI GLASCOD	SH 99970-73700		120	
CG01104-01	MOUNTAIN VIEW	SH 80700-55800	Y	30	128:1
CG01901-01	PANDY'R CAPPL	SJ 08700-50400		S	
CG01554-01	PANTYRITHOG	SH 74800-04200		18	
CG00123-01	PENCARNWYDD	SH 40900-40800	Y	100	299:1
CG01554-01	PINIEL	SJ 03280-63000		S	
CG00139-01	PINERHOS	SH 34800-34200		80	
CG01090-01	PINTRE CORD	SJ 35670-37600	Y	S	283:1
CG00150-01	PINTYEG	SH 59000-41300	Y	240	2493:1

Aesthetic Impact	Biological Impact	Fisheries Impact	Existing Consent Conditions					Consent Status	Category
			BOD	SS	NH3	D.M.F.(mg/d)	Other		
				SOAKAWAY				A3	A
				SOAKAWAY				A3	A
				DESCRIPTIVE -	SOAKAWAY			A3	A
				SOAKAWAY	54			A3	A
			19	19	-	3.4	-	B1	A
			150	150	-	24.3	-	A1	A
				SOAKAWAY				A2	A
				SOAKAWAY	15.75			A3	A
				DESCRIPTIVE -	SOAKAWAY			A3	A
				DESCRIPTIVE -	SOAKAWAY			A3	A
				DESCRIPTIVE -	SOAKAWAY			A3	A
			65	280		9.1		C	A
				DESCRIPTIVE				A3	A
	N		75	150	50/25	21	-	C	A
	N		80	100		45		C	A
				SOAKAWAY				C	A
	N			DESCRIPTIVE		9.5		A2	A
				SOAKAWAY		2		A3	A
			320	220	-	3.4	-	C	A
				SOAKAWAY				C	A
									A
	N		55	65	-	30	-	C	A
				SOAKAWAY		8.2		A3	A
				DESCRIPTIVE				A3	A
				SOAKAWAY				C	A
				SOAKAWAY				A3	A
			60	70	SOAKAWAY			A1	A
			150	150	50	4.5	-	A2	A
				SOAKAWAY				A3	A
				SOAKAWAY				A3	A
				DESCRIPTIVE				A3	A
				SOAKAWAY				A3	A
				DESCRIPTIVE - SOAK		4.6		A3	A
			150			1.8		C	A
				DESCRIPTIVE				A3	A

UNCLASSIFIED WATERS (CONTINUED)

Consent Reference	Works Name	Works Grid Ref	Compliance with D/S objective	Pop Design	Dilution in Receiving Stream
CM01553-01	PRION	SJ 04700-62070		12	
CG01559-01	RHYDYMALN	SH 60200-21790	Y	110	236:1
CG00735-01	RIVERSIDE	SH 36100-34400	Y	24	1292:1
CG00822-01	SEION (1)	SH 54700-87200		30	
CG01552-01	SEION (2)	SH 54600-66800		5	
CM01101-01	SESSWICK WERN	SJ 37400-47200	Y	50	117:1
CG01558-01	TAI CYNHARAF (2)	SH 68900-19300		10	
CG01553-01	TALWANTYDD SEPTIC TANK	SH 69500-47400		30	
CG01551-01	TAN LAY (NEW)	SH 79000-63490		5	
CM01899-01	WHITHURST HALL	SJ 28600-40200	Y	5	L

TIDAL WATERS

Consent Reference	Works Name	Works Grid Ref	Classified Water	Compliance with classification	Pop Design	Aesthetic Impact
CG00142-01	HESMALL	SJ 24900-81790	Y	N	10125	Y
CG01449-01	HARLICE	SH 56900-31900	C	N	6000	Y
CG00178-01	CHRYSTER	SJ 39520-66590	Y	N	80000	Y
CG00370-01	CONNAHS QUAY	SJ 30240-69330	Y	N	19400	Y
CG00822-01	QUINNSPERRY	SJ 32190-68390	Y	N	76000	Y
CG00635-01	BAGILLY (EAST)	SJ 22320-75520	Y	N	3320	Y
CG00298-01	GREENFIELD	SJ 19900-78160	Y	Y	15000	Y
CG00584-01	FLINT	SJ 25780-72440	Y	N	25000	Y
CG00553-01	LLANDREFAN	SH 56200-72800	N	N	3333	Y
CG00811-01	LLANFAIRPWLL	SH 53000-71000	N	N	3500	N
CG00849-01	LLANGORD	SH 61300-79300	N	N	2272	N
CG00517-01	PORTYEMADOG	SH 57300-39000	C	Y	6500	Y
CG00937-01	LLANBEDR	SH 58200-27160	N	Y	S	Y
CG01139-01	ABER	SH 65000-73200	N	Y	465	N
CG01440-01	ABERSOCH	SH 31300-26800	C	Y	1400	N
CG00630-01	BAGILLY (WEST)	SJ 21350-76630	Y	Y	1880	Y
CG00233-01	CLYDENOG FANR	SH 41200-50000	C	N	60	Y
CG01120-01	CRISCIPT	SH 63200-14800	Y	Y	30	Y
CG00825-01	DOLGELLAU	SH 71200-18300	C	Y	4000	N
CG01451-01	LLANDANWG	SH 57170-28600	C	N	500	N
CG00770-01	LLANFAIRFACHAN	SH 66900-74100	N	Y	6500	N
CG01133-01	MAINTWROG	SH 66100-40300	N	Y	300	Y
CG01151-01	MALLYTRANTH	SH 39800-68500	N	Y	1000	Y
CG00263-01	MOSTYN	SJ 17050-80120	Y	Y	4300	Y
CG00690-01	NESTON	SJ 28690-76770	N	N	23000	Y
CG00845-01	PINRHYNUDRAITH	SH 61000-38500	N	Y	3500	N
CG01450-01	RHIN	SH 22440-26150	C	Y	250	N
CG00825-01	RHUDDLAN	SJ 01600-70550	Y	Y	2470	N
CG00755-01	TALYBONT-DOLGARROG	SH 77200-68700	N	Y	3000	N
CG00935-01	TRIERORTH	SH 53900 70900				
CG01392-01	TRIVOR - GWYDIR MAWR TERRACE	SH 37680-47270	C		S	N
CG01452-01	TUDWILLIOG	SH 23440-38080	C	Y	420	Y
CG01119-01	LLANFACHRAITH	SH 31400-82100	N	Y	350	N
CG00842-01	TRIFFRIN	SH 70400-62900	N		1240	N
CG00154-01	TWYNGROYS	SH 78520-71210	Y		416	
CG01118-01	TWYS	SH 59800-35500	N	Y	80	N

Special designation	Existing Consent Conditions					Other	Consent Status	Class
	BOD	SS	NH3	DWP (m3/d)				
Y	-	200	-	2700	-		C	B
H	-	-	-	909	-		DREMRD	B
H	24	55	45	22044	-		K	B
H	30	55	-	3272	-		C	B
H	38	56	-	8307	-		K	B
Y	-	150	-	586	-		C	B
Y	30	95	-	3575	-		C	B
H	50	80	-	3410	-		K	B
Y	60	80	-		-		B1	B
Y	60	80	-	636	-		B1	B
Y	60	80	-	562.5	-		B1	B
H	380	220	-	1203	-		C	B
H	-	200	-	228	-		C/D/E	B
Y	200	200	-	70			A1	C
H				12695/634W			DREMRD	C
Y	-	150	-	332	-		C	C
B	150	150	-	4.5	-		C	C
DESCRIPTIVE							B3	C
H	140	150	-	1960	-		A1	C
H	-	-	-	210	-		DREMRD	C
H	50	70	-	1180	-		A1	C
H	-	180	-	41	-		C	C
Y		200	-		-		DREMRD	C
Y	95	120	-	941	-		C	C
H	24	45	-	4982	-		C	C
H	60	80	-	652	-		C	C
Y	-	-	-	37.5	-		DREMRD	C
H	30	40	-	19000	-		C	C
H	60	80	-	477	-		A1	C
	-	-	-	2.2	-		DREMRD	C
H	-	-	-	59	-		DREMRD	C
H	41	65	-	48	-		B1	A
	80	80	-	347	-		A1	A
	150	150	44	02.1				
H	75	80	-	20	-			

CLASSIFIED WATERS

Consent Reference	Works Name	Works Grid Ref	Compliance with D/S Objective	Pop Design	Dilution in Receiving Stream	Aesthetic Impact
AC0008301	DUFFRYN ISAF	ST 02050-84950	N	L	3.2:1	Y
AC0019301	RHINSAISON (OLD)	ST 06800 82620	N	19000	1.2:1	Y
AN0033701	CYHOE	ST 00160-92890	N	80000	0.5:1	Y
AL1001601	LEOMINSTER (WORCESTER RD)	SO 50330-50070	N	L	33:1	Y
AC0019401	RHINSAISON (NEW)	ST 07320 82730	N	L		Y
AN1001901	KINGSTON & MADLEY	SO 42550-37000	N	M	1.5:1	Y
AL1003501	WOBLEY	SO 39500-52030	N	M	3.7:1	Y
AN1002701	MUCH DEWCHURCH (A)	SO 48500-31200	N	S	9:1	Y
AN1002501	MUCH BIRCH (TUMP LANE)	SO 49720-30670	N	S	1:1	Y
AN1004101	WORMKLOW TUMP	SO 49400-30300	N	S	1:1	Y
AS1001201	GREAT CRAIG - CROSS ASH	SO 40600-20200	N	80	1:1	N
AS1001901	LEA (KNIGHTSHILL)	SO 66490-21950	N	120	13:1	
AS1005301	WALFORD (COUGHTON PLACE)	SO 59610-21170	N	170	46:1	N
AL1002701	SHORDON	SO 39510-61140	N	S	86:1	N
AN1004701	BORTON (OLD)	SO 30630-66620	N	S	140:1	Y
AL1002601	PRESTON-ON-WYE	SO 38400-42300	N	250	127:1	N
AN1000301	BURGHILL	SO 47460-42900	N	L	3.5:1	Y
AB0041501	BRICOM	SO 05700-27600	Y	6000	70:1	Y
AL1000201	LEOMINSTER (BARONS CROSS)	SO 47350-50030	Y	M	161:1	N
AN1000401	BWLCH (NORTH)	SO 14500-22000	Y	S	4.1:1	N
AB0034101	ABERBAIDEN	SO 26300-14700	Y	8333	L	N
AL1000601	BROMYARD (NEW)	SO 65900-54500	Y	M	10:1	N
AC0085601	BRYNMAWR (BLACKROCK)	SO 20500-12400	Y	7500	2:1	Y
AN1000701	BUILTH WELLS	SO 04600-51300	Y	M	461:1	N
AB0049501	BWLCH (SOUTH)	SO 15400-20000	Y	1334	1200:1	N
AL1000901	CANON PYON	SO 46330-49100	Y	S	43:1	N
AC0004501	CILFYTYDD	ST 00210-92830	N	80000	11.6:1	N
AN1000401	CLKHONGER	SO 44960-37900	Y	S	42.5:1	N
AN1000901	CLYRO	SO 21700-43800	Y	S	21.6:1	N
AN0010101	COSLICH	ST 04400-81100	Y	L	7:1	N
AC0009101	COWBRIDGE	SS 99700-73600	Y	7670	5.9:1	N
AC0094701	CRICKHOWELL	SO 22500-17500	Y	2300	465:1	N
AN1001101	CROSS CAYTS	SO 00900-64600	Y	S	89:1	N
AC0017801	DROPH (WESTBURY HOMES)	ST 10000-70000	Y	M	800:1	N
AL1001101	RAEDISLEY	SO 31090-48640	N	537	2.6:1	Y

APPENDIX 4. Categorisation of works in South Eastern Division.

Biological Impact	Fisheries Impact	Existing Consent Conditions					Consent Status	Class
		BOD	SS	Wb3	D.W.F.(m3/d)	Other		
L	H	40	80		1980	pH	C	B
L		35	40	15	4800		D	B
H		30	40		24798	MTALS	C	B
		70	80		1500		C	B
L		40	45	10	4000			B
L		46	85	15	250		C	B
H		34	55		414		C	B
H		110	220	38	18.2		D	B
		150	220	50	22		D	B
		75	90		5.6		C	B
H		150	150		12		C	B
L		50	60		88		C	B
H		100	150		38		K1	B
		31	50		18.3		C	B
H		30	65		23		C	B
H	H	20	30		34		C	B
L		26	50		910		C	B
H		40	70		2670		C	B
H		37	75		250		C	B
H		150	150		20		C	B
H		150	150	W:50 S:25	920	pH	A2	C
H		44	66	30	600		B	C
L		46	65		2273		A1	C
H		42	75		628		C	C
H		150	150		240	pH	A2	C
H	H	30	47		31.8		C	C
H		20	30	5	60000	pH,MTALS	A1	C
H	H	130	150	50	122		A1	C
H		45	55		33.6		K1	C
H		20	30	8	7000		A1	C
H	H	20	30		1363		C	C
H		75	100	50	700		A1	C
H		33	180	14	57		C	C
H		60	100	15	430		A1	C
L	H	50	90		178		K1	C

CLASSIFIED WATERS (CONTINUED)

Consent Reference	Works Name	Works Grid Ref	Compliance with D/S Objective	Pop Design	Dilution in Receiving Stream
AW1002001	GARTH	SN 95130-49230	Y	S	459:1
AW1002101	GLASBURY	SO 17900-39500	Y	S	6923:1
AS1001101	GOODRICH	SO 56800-18580	Y	M	76000:1
AC0116401	GOTTRE (PINKRILLH1)	SO 33000-05800	Y	1360	1500:1
AW1002301	HAY-ON-WYE	SO 23190-43260	Y	M	1000:1
AW1001101	HEREFORD (TIGH)	SO 52210-38760	Y	22000	17:1
AW1001201	HEREFORD (ROTHERWAS)	SO 53210-38450	Y	44000	S
AF4021601	HIGHLIGHT PARK (WEYCOCK CROSS)	ST 10450-76450	Y	M	6.5:1
AW1002401	HONEY	SO 05050-58820	Y	M	2.8:1
AW1001502	KENTCHURCH (PARKSIDE)	SO 41900-25500	Y	S	L
AW1001801	KILPICK	SO 44200-30760	Y	S	55:1
AL1001401	KINGSLAND	SO 45370-60560	M	S	82:1
AL1001501	KINGTON	SO 30640-57000	Y	M	54:1
AB0076001	LIBANUS	SN 99700-26000	Y	S	57:1
AD0002501	LITTLE HILL	SO 33600-02600	Y	750	49:1
AG0009201	LIANCARPAN	ST 05200-63600	Y	250	79:1
AW1002901	LIANDRINOD WELLS	SO 05000-60500	Y	L	26.4:1
AB0046101	LIANELLE	SO 30300-11100	Y	480	0000:1
AB0038201	LIANFOISY (ABERGAVENNY)	SO 29900-13300	Y	11000	60:1
AD0002101	LIANFRYNACH	SO 07800-25800	Y	240	152:1
AW1003301	LIANGAMMARCH WELLS	SN 93620-47290	Y	S	1107:1
AW1003501	LIANGUNILLO	SO 21500-71000	M	S	233:1
AB0046601	LIANGYBI	ST 37700-90000	Y	1000	2400:1
AW1003701	LIANIGON	SO 20420-40500	Y	S	61.5:1
AB0067001	LIANSOY	SO 43900-02050	Y	S	122:1
AB0056601	LIANSPTDDID	SO 01100-28300	Y	100	9800:1
AW1003801	LIANWTENL	SN 97700-63050	Y	S	0571:1
AW1004101	LIOWIS	SO 19400-41000	Y	S	43:1
AB0179401	LIWYRON (OLD WTN AND LIWYRON HOUSES)	SO 01300-11200	Y	S	S
AW1004201	LLYSWEN (VILLAGE)	SO 13530-38120	Y	M	4855:1
AW1002101	LONGTOWN	SO 32370-28470	M	S	52:1
AS1002901	LYDBROOK	SO 58470-16960	Y	2000	3370:1
AL1001801	LYONSHALL	SO 34170-55730	B	S	5.4:1
AS1003201	MOMEOUTH (WYISHAM)	SO 51500-11900	Y	L	332:1
AW1002401	MORDIFORD (PENTLOE CLOSE)	SO 57610-37300	Y	60	73:1
AW1002201	MORTON-ON-LOGG	SO 51350-45180	Y	2900	355:1

Aesthetic Impact	Biological Impact	Fisheries Impact	Existing Consent Conditions					Consent Status	Class
			BOD	SS	Nh3	D.W.F.(m3/d)	Other		
N	N	N	55	55		27.3		C	C
Y	N		150	150	50	52		A2	C
N	N		50/100	60/120		455		C	C
N	N		60	100		304		A1	C
N	N		36	44		463		C	C
N	N		45	85	15	9500	MTALS	B1	C
N	N		45	85	15	19000	MTALS	B1	C
Y	N		45	85	12	418.3		B1	C
N	L	N	30	55		149		C	C
N	N	N	DESCRIPTIVE					A3	C
N	N		20	30		33		C	C
N	N	N	41	75		68.2		C	C
N	N		63	100	48	475		A2	C
N	N	N	100	150	W:50 S:20	114	pH	A2	C
N	N	N	55	55		82	pH	C	C
N	N	N	23	50		42.5		C	C
N	N		24	60		904	MTALS	C	C
N	N		65	100		72	pH	C	C
N	N		70	100	50	5000		A1	C
N	N		100	150	W:50 S:20	32.7	pH	A2	C
N	N		DESCRIPTIVE					A3	C
N	N		150	150		21		A2	C
N	N		360	180		130.4	pH	C	C
N	N	N	31	34		32.3		C	C
N	N		150	150		18.2		A2	C
N	N		DESCRIPTIVE					D	C
N	N		160	100		14		C	C
N	N		90	95		16.4		C	C
N	N		DESCRIPTIVE					A3	C
N	N		190	350		120		B1	C
N	N	N	45	95		69		C	C
N	N		150	150	50	273		A2	C
Y	N		80	95		57.2		B1	C
N	N		70	100	50	2764		A1	C
N	N		200	300	55	10		D	C
N	N		35	37		470		C	C

Appendix 4 (continued).

CLASSIFIED WATERS (CONTINUED)

Consent Reference	Works Name	Works Grid Ref	Compliance with D/S Objective	Pop Design	Dilution in Receiving Stream
AM1004401	NEWBRIDGE-ON-WYE	SO 01450-58170	Y	1500	571:1
AS1003301	NEWLAND	SO 55100-09010	Y	6000	500:1
AL1002301	OCELY PYCHARD	SO 50920-46410	N	99	1.5:1
AM1002901	PANDY	SO 33560-22730	N	500	150:1
AL1002401	PKMERIDGE	SO 39300-58580	Y	N	389:1
AM1003001	PETERCHURCH	SO 34800-37950	Y	S	52:1
AC0011401	PETERSTON-SUPER-KLY	ST 08600-76300	Y	N	197:1
AM1005101	PRISTWIGH	SO 32400-64300	Y	N	60:1
AM1003201	PRISTON WYTHE	SO 50060-46020	N	S	102:1
AS1004201	RIDERBROOK	SO 53800-09500	Y	100	55000:1
AM1005201	RHAYADER	SN 97800-07400	Y	1600	102:1
AS1003701	ROSS (NEW) LOWER CLEVE	SO 50490-23320	Y	L	263:1
AC0140301	SHENYBRIDGE (ARMY CAMP)	SN 92400-29400	Y	N	860:1
AS1004501	ST. BRIAVELS	SO 55040-04630	Y	500	7900:1
AM1004801	ST. WICHARDS	SO 49200-24100	Y	S	52:1
AL1000801	STOKK LACY (CRICKS GREEN)	SO 63370-51560	Y	S	25:1
AM1005301	TALCARTH	SO 15100-34700	N	N	10.6:1
AD0001701	TALTBONT	SO 12200-22800	Y	320	250:1
AM1003701	TARRINGTON	SO 61520-41490	Y	400	6:1
AB0048801	USK	ST 38800-99600	Y	2800	700:1
AS1005501	WALFORD (HORNLAND PLACE)	SO 59300-20900	Y	20	349:1
AS1005801	WILTON	SO 50350-23930	Y	314	9628:1
AL1003601	WOLFFELW	SO 07220-62100	Y	S	20:1
AM1003901	WOOLHOPE	SO 61500-35500	Y	S	10:1
AM1004001	WOOLHOPE (THE BURDENS)	SO 62120-36000	Y	S	28:1
AC0011301	WYNSHEDDY (INDUSTRIAL ESTATE)	ST 03780-04200	Y	N	100:1
AM1000101	ABERDOW	SO 07000-47400	Y	S	L
AM1000501	BIVULAH	SN 92300-51100	Y	S	324:1
AL1000301	BISHOPS FROME	SO 66530-40500	Y	S	250:1
AA0017501	BRYN	SO 33100-10000	Y	350	12000:1
AM1001001	CHILMERY	SO 00940-51820	Y	S	244:1
AM0035901	CRADOC	SO 00378-30142	Y	72	620:1
AF3015702	CWMTAFF HOUSES	SO 00300-15000	Y	S	
AM1000501	CWMTAF	SO 31190-21670	Y	S	3840:1
AS1000701	DINGLESTON	SO 45910-10090	Y	218	192:1

Aesthetic Impact	Biological Impact	Fisheries Impact	Existing Consent Conditions					Consent Status	Class
			BOD	SS	Bh3	D.W.F.(m3/d)	Other		
N	M		150	150		280		A2	C
N	N		310	90	27	2576		C	C
N	M		25	35	10	11.62		K1	C
N	M	N	150	150	50	80		A2	C
N	N		21	55		120		C	C
N	M		65	100	45	70		A1	C
N	N		40	45		208		C	C
N	N		38	80	50	470		D	C
N			100	100		3.2		C	C
N	M		400	400		18.2		C	C
N	N		24	43		857		C	C
N	M		70	100	50	2890		A1	C
N	N		40	60	10	451	pH	C	C
N	L		150	150	50	120		A2	C
N	N		66	100	35	40		A1	C
N			130	100		2.5		C	C
N	L	N	33	55		650		C	C
N	M		80	70		58.2	pH	A1	C
N	N		28	50	15	31		B1	C
N	N	N	150	150		552		A2	C
N	M		DESCRIPTIVE - TIME LIMITED					K3	C
N	M		150	150	50	82		A2	C
N	M		50	150		1		C	C
N	N		20	36		31.8		C	C
N			150	140		11.8		C	C
N			30	65		204.5	pH	B1	C
N						9.1		A1	A
N	N	N	DESCRIPTIVE					A3	A
N	N		75	110		39		C	A
N			150	150	50	55		A2	A
N	N		150	150		23		A2	A
N	N		DESCRIPTIVE					A3	A
N			DESCRIPTIVE					A3	A
N	N	N	DESCRIPTIVE					A3	A
N	N		DESCRIPTIVE					B3	A

Appendix 4 (continued).

CLASSIFIED MATTERS (CONTINUED)

Consent Reference	Works Name	Works Grid Ref	Compliance with D/S Objective	Pop Design	Dilution in Receiving Stream
AH1000701	DORSTONE (OAKLAND PLACE)	SO 31700-41700	Y	S	590:1
AH1000801	RATON BISHOP	SO 44510-38920	Y	S	494:1
AN0179501	ELAN (GLAN-YE-APON)	SE 93500-65300		S	
AN0024401	ELAN VALLEY (HOTEL)	SE 93600-65700	Y	S	8575:1
AN1001401	ELAN VILLAGE	SE 93500-65400	Y	S	3446:1
AN1001501	REWOOD	SO 09900-43300	Y	S	1300:1
AH1000901	PONNHOPE	SO 57770-34050	Y	S	>5000:1
AH1001001	GROSMONT	SO 40830-24270	Y	S	1747:1
AH1001401	HOLME LACY	SO 55750-36600	Y	S	27916:1
AH1001701	KENDERCHURCH (WORMBRIDGE)	SO 42600-30300	Y	S	123:1
AB0038101	KINGS CAPLE	SO 56300-28600	Y	S	39000:1
AN1002801	LLANDDEMI YSTRADDENI	SO 10700-68300	Y	S	723:1
AD0001501	LLANFAIR	SO 34900-06000	Y	180	20000:1
AN1003801	LLANFARDD	SO 06800-50800	Y	S	59000:1
AN1003201	LLANFILO	SO 11740-33880	Y	S	210:1
AN1003601	LLANGURIG	SE 90900-79500	Y	S	430:1
AB0043401	LLANOVER	SO 31400-00700	Y	650	3860:1
AS1002701	LLANVYTHERRINT	SO 36900-17600	Y	14	648:1
AN1003901	LLANWYTD WELLS	SW 90000-46200	Y	S	238:1
AN1004001	LLANTYR	SO 05250-62340	Y	S	284:1
AN1004301	LLYSWEN (WYLANDS)	SO 12900-38400	Y	S	36813:1
AN1004901	PAINSCASTLE	SO 17100-46300	Y	S	190:1
AD0010001	PENCRILLI	SO 09400-25500	Y	54	370:1
AN0115801	PENYBONT	SO 11630-63840	Y	S	644:1
AH1003301	PONTILAS	SO 39400-27770	Y	S	16:1
AC0011101	PONTYSAW	SO 04500-09700	Y		
AG0007801	PONTYSTICILL	SO 05900-10700	Y	380	391:1
AN0179301	PONTYSTICILL (FILTER HOUSE)	SO 06100-11700	Y	S	391:1
AN0179901	PONTYSTICILL (RESERVOIR WORKS)	SO 06100-11700	Y	S	391:1
	RHYMNY BRIDGE WTW	SO 10300-10000	Y	S	
AS1003601	ROCKFIELD	SO 48550-14760	Y	113	3580:1
AA0002301	SCYTHROG & PENNORTH	SO 10000-25000	Y	154	17000:1
AC0000501	ST. FAGANS	ST 12200-77100	Y	400	864:1
AL1003001	STAUNTON-ON-WYR	SO 36350-44560	Y	S	15607:1
AH1004201	SUTTON ST. NICHOLAS (C.T. BISHOP)	SO 52900-45300	Y	S	2028:1
AN0106601	TYETOWER	SO 10000-21100	Y	200	286:1
AH1003801	WESTON BRGGARD	SO 58700-41700	Y	S	4000:1
AG0007901	WYTHMAERDY (HOUSING ESTATE)	ST 03450-04300	Y	230	287:1

Aesthetic Impact	Biological Impact	Fisheries Impact	Existing Consent Conditions					Consent Status	Class
			BOD	SS	Kh3	D.W.P.(m3/d)	Other		
N	N	N		DESCRIPTIVE				A3	A
N	N			DESCRIPTIVE				A3	A
				DESCRIPTIVE	SOAKAWAY			A3	A
N	N			DESCRIPTIVE				A3	A
N	N			DESCRIPTIVE				E1	A
N	N			DESCRIPTIVE				A3	A
N	N		50/100	60/120		127		C	A
N	N			DESCRIPTIVE				A3	A
N			150	150		24		A2	A
N	N		150	150	50			E2	A
N				DESCRIPTIVE				A3	A
N	N		22	35		19		C	A
N	N		150	200		44.5	pH	A2	A
N						6		C	A
N			55	110		13		C	A
N	N		27	85		36		C	A
N			150	150	50	86.6	pH	A2	A
N	N			DESCRIPTIVE				A3	A
N	N		20	30		9.5		C	A
N	N		150	150	50	60		A2	A
N	N			DESCRIPTIVE				A3	A
N	N		39	60		14		C	A
N	N			DESCRIPTIVE		7		A3	A
N				DESCRIPTIVE		29			A
N	N	N	23	85		74		C	A
				DESCRIPTIVE				A3	A
N			150	150	50	54		A2	A
N	N	N		DESCRIPTIVE				A3	A
N	N			DESCRIPTIVE				A3	A
N	N			SMALL STN - NO CONSENT				A3	A
N	N			DESCRIPTIVE				E3	A
N	N			DESCRIPTIVE				A3	A
N	N		150	150	50	79	pH	A2	A
N				DESCRIPTIVE				C	A
N	N		150	150		70.5		A2	A
N	N			DESCRIPTIVE				A3	A
N	N		150	150	50	4.5		A2	A
N				DESCRIPTIVE				A3	A

Appendix 4 (continued).

UNCLASSIFIED WATER

Consent Reference	Works Name	Works Grid Ref	Compliance with D/S Objective	Pop Design	Dilution in Receiving Stream
AN0079401	WENYOL	ST 12700-73100	N	1000	0.4:1
AN1002001	ORCOP (COPWELL ESTATE)	SO 47900-27900	N	5	4:1
AS1005701	WESTON-UNDER-PENYARD (PENYARD GDNS.)	SO 63600-23040	N	86	5
AC0091901	LLANARTH	SO 37700-10700	N	500	2:1
AN1002001	LITTLE DEWCHURCH	SO 53450-31160	N	5	5
AD0000701	CRAT	SN 89600-24100	N	120	16:1
AS1001001	GLENSTON (WILSON)	SO 55550-23370	N	5	80:1
AS1002101	LLANDOWNI RHYDDERCH	SO 35280-13100	N	217	28:1
AN0180901	CAKEMET	ST 47900-90700	N	5	
AN0004201	CROSS INN	ST 05320 82450	N	5	>100:1
AC0140201	RAGLAN	SO 41500-07300	N	N	2.5:1
AL1001901	MOCCAS	SO 35400-42230	N	150	1.1:1
AN1000301	ABERLLYNFI (THREE COCKS)	SO 17400-37000	Y	5	19:1
AL2002301	ALMELLY (BELLS ORCHARD)	SO 33340-51610	Y	5	5
AL1000401	BODENHAM	SO 53900-51520	Y	1180	844:1
AC0011901	BONVILSTON (EAST)	ST 07070-73050	Y	100	0
AC0011001	BONVILSTON (WEST)	ST 06200-73400	Y	300	1.09:1
AL1000501	BRIDENBURY (GREENDOW FIRS)	SO 60050-56050	Y	5	0
AN1000701	BUILTH ROAD	SO 02140-53100	N	5	112:1
AN0031001	CANTREIF WTN	SN 99800-15200		5	0
AN0032201	CRAIGIAU	ST 09100-00700	N	3000	0.26:1
AA0001901	DEVAUDEN	ST 47950-98960	N	5	4:1
AL1001001	DILWYN	SO 42350-54070	N	5	7.5:1
AN1000601	DORKINGTON	SO 57910-40090	Y	5	5:1
AC0010301	DROPE	ST 10000-75900	Y	85	81:1
AL1001201	EDWYN RALPH	SO 64000-58300	Y	5	1:1
AS1001301	GARWAY (PAIRVIEW)	SO 45500-22600	Y	35	0
AN0179201	GARWAY (NO.3 PAIRVIEW)	SO 45000-22000	Y	5	0
AN0149901	GLENSTONE (MALMO PLACE)	SO 50000-22100		35	
AN0149801	GLENSTONE VILLAS	SO 50100-22000		7	
AA0027001	GRAY OAK	SO 38700-09900	Y	112	20:1
AD0010101	GROESFFORDD	SO 07500-27900	Y	200	12:1
AN1002201	GWINDDWR	SO 00700-43330	N	5	6912:1
AN0030901	HYNDRI RAILRY WTN	SN 90700-00100	Y	5	0
AN0150001	HOW CAPLE (CROSSWAYS)	SO 61850-31140		14	

Aesthetic Impact	Biological Impact	Fisheries Impact	Existing Consent Conditions					Consent Status	Class
			BOD	SS	Nb3	D.W.T.(m3/d)	Other		
N	L		25	60	10	532		C	B
Y	M		500	300		3.6		C	B
Y	M		180	120		13		C	B
Y	M		60	65		50		C	B
Y			100	270		40.8		A3	B
N	M	N	18	40	25	13		A1	B
Y			400	400		1.1		C	B
N	M		75	100	23	30		B1	B
Y			30	50	10	114		A1	B
			20	30	15	MAX FLOW 62		B1	B
N	L	N	55	70	25	300		B1	B
N	L		150	150		27		C	B
N	N		110	90		60		C	C
N			20	30		12.72		A1	C
N	M		150	150	50	160		C	C
N	L		80	70		24		C	C
N	M		18	21				C	C
N			150	150		7		C	C
N	M	N	210	145	47	26		C	C
			DESCRIPTIVE						C
N	L	N	W:245:8	W:505:30	W:105:5	509		A1	C
Y	M		22	60	12	34.2	pH	A1	C
N	M		42	60		49		C	C
N			26	47	17	5		C	C
N	M		110	110		16		C	C
N			25	35		6		B3	C
N			DESCRIPTIVE					B3	C
N			DESCRIPTIVE					A3	C
Y			DESCRIPTIVE					B1	C
Y			DESCRIPTIVE					B1	C
N	M		18	43		12.3	pH	A1	C
N	M		90	100		36	pH	A1	C
N	M		55	90		7		C	C
N	L		DESCRIPTIVE					A3	C
Y			DESCRIPTIVE				SOAKAWAY	B3	C

Appendix 4 (continued).

Appendix 4 (continued).

Aesthetic Impact	Biological Impact	Fisheries Impact	BOD	Existing Consent Conditions	SS	WB3	D.M.F. (m3/d)	Other	Consent Status	Class
Y	Y	N	150	150	150	7	14.4	14.61	C	B3
Y	Y	N	40	75	38	38	14.4	14.61	C	A1
Y	Y	N	100	105	35	35	14.61	14.61	C	R1
Y	Y	N	96	150	50	21	21	21	C	A1
Y	Y	N	150	110	110	6	6	6	C	C
Y	Y	N	40	60	60	6.12	6.12	6.12	C	A1
Y	Y	N	22	39	39	102	102	102	C	C
Y	Y	N	150	150	150	19	19	19	C	C
Y	Y	N	150	110	110	55	55	55	C	A1
Y	Y	N	113	150	50	6	6	6	C	A1
Y	Y	N	95	90	90	15	15	15	C	C
Y	Y	N	33	60	25	26.6	26.6	26.6	C	A1
Y	Y	N	90	70	70	23	23	23	C	C
Y	Y	N	100	230	3.87	3.87	3.87	3.87	C	R1
Y	Y	N	10	20	10	500	500	500	C	R1
Y	Y	N	20/40	30/60	10/20	150	150	150	C	A1
Y	Y	N	350	250	65	20	20	20	C	D
Y	Y	N	40	60	25	3	3	3	C	R1
Y	Y	N	70	80	15	15	15	15	C	C
Y	Y	N	150	150	50	12	12	12	C	A2
Y	Y	N	26	40	30	46	46	46	C	A1
Y	Y	N	57	90	17	54	54	54	C	A1
Y	Y	N	150	150	4	4	4	4	C	C
Y	Y	N	130	230	11	11	11	11	C	A3
Y	Y	N	600	100	2.7	2.7	2.7	2.7	A	A3
Y	Y	N	600	100	100	100	100	100	D	A3
Y	Y	N	600	100	100	100	100	100	A	A

UNCLASSIFIED MATTERS (CONTINUED)

Consent	Reference	Works Name	Works Grid Ref	Compliance with	D/S Objective	Design	Pop	Receiving	Pollution in
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AN0146501	BONLE HILL	SO 60500-20200	7				65:1		
AL1001301	WINGTOR	SO 47370-56730	30	Y			32:1		
AA0003101	CLAREBIDE	SO 23600-20300	125	Y			10:1		
AN1002601	CLAREBIDE (NEW)	SO 16800-73550	S	N			41:1		
AC0140701	CLAREBON	SO 05200-30900	120	Y			63:1		
AN1002701	CLARENGLEY	SO 13700-63000	S	N			28:1		
AS1002601	CLARENAHE (MONTON PLACE)	SO 49770-26000	40	Y			1:1:1		
AL1001701	LOSTON & TARPOLT	SO 49100-63700	S	Y			4:1		
AN1002301	MORDIFORD	SO 57000-30520	S	Y			720:1		
AL1002001	MOON COMAUNT (MILL LANE)	SO 62100-46900	S	Y			0		
AN0150201	MOON COMAUNT (MOON END)	SO 64200-46600	S	S			0		
AN0150101	MOON COMAUNT (NO.3 MOON END)	SO 64000-46000	S	N			105:1		
AN1004501	NEW BADBOR	SO 21630-60740	S	N			69:1		
AN0133301	OLD BADBOR	SO 24800-58900	S	N			115:1		
AN1005801	PARTYMER	SN 98400-74600	S	N			10:1		
AL1002501	PHICKOMER	SO 00200-52700	S	Y			8:8:1		
AC0011001	PHENDOLMAN	ST 06200-76700	130	Y			0		
PT0000101	PRETCELITH	ST 05300-97100	S	Y			0		
AN1003101	PIPE & LIND	SO 50151-44330	S	N			28:1		
AL2021601	RHIDIAFAR	ST 11000-79770	400	Y			0:7:1		
AS1003901	ROARDEAN	SO 01800-17900	500	N			10:1		
AS1004101	ROARDEAN (WOODSIDE)	SO 02500-16200	116	N			0:0:1		
AS1004401	ST. ARVANS	ST 57100-96190	740	Y			SMALLMORHAN		
AN1003401	STOKS EDITH	SO 50700-40700	S	Y			10:1		
AL1003101	STOKS LACT (WESTBURY)	SO 62390-50460	S	Y			1:1		
AK0000201	TIRABAD	SN 87070-41490	S	N			86:1		
AD0000001	TRECASTLE	SN 00000-29000	240	Y			20:1		
AN0214601	TRELLICH	SO 49900-05900	S	Y			10:1		
AL1003401	WILLINGSWICK (DINMARSH)	SO 50670-40930	24	Y			8:1		
AN1001701	WALINDRA	SO 18400-36700	S	Y			48:1		
AN0178901	WALFORD (NO.8 NORLAND PLACE)	SO 59000-20000	S						
AS1005601	WESTON-UNDER-PENYARD (DAIRY COTT.)	SO 63340-24400	45						
SO 05500-71100			S				5:1		
SO 30300-30600			14				400:1		
SO 10600-21400			75						

Appendix 4 (continued).

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UNCLASSIFIED MATRICES (CONTINUED)

Consent	Reference	Works Name	Works Grid Ref	Compliance with:	D/S Objective	Design	Pop	Receiving	Aesthetic	Impact
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AL1000101	ACTON GREEN	SO 69650-50550		S						
AN0121301	ASTON INGHAM (HISTORIC)	SO 67300-22400		3						
AN0023401	BEDFORDSHIRE	SO 33150-44600		S						
AS1000401	BROADSTONE (CATHROCK)	SO 50300-02800		29						
AN0120001	BROCKHAMPTON (CAPLAN)	SO 50600-31500		14						
AN0120901	BROCKHAMPTON (LADYBRIDGE)	SO 50600-31700		28						
AN0150501	BROCKHAMPTON	SO 54200-01200		35						
AN0100001	CHROMWELL	SE 90400-45700		S						
AN0170001	CLIFFORD	SO 20700-44600		S						
AN0170001	CROSS OAK	SO 10700-23800		S						
AN0170001	EVANS	SO 26300-02200		S						
AN0170001	EVANS	SO 26300-02200		S						
AN0170001	EVANS	SO 26300-02200		S						
AN0140001	HARDWOOD END (NO.5)	SO 52000-20000		75						
AN0140001	HARDWOOD END (WOODHILLS)	SO 52000-26900		23						
AN0140001	HARTLAND (PENCOD RISE)	SO 52100-26100		10						
AN0025001	HURDWOOD HOUSE	SO 11420-54490		S						
AN0140001	KENTON (GRAB CASTLE)	SO 43700-27300		S						
AC0014001	LECKWITH	ST 15000-74300		10						
AN0140001	LANCASHIRE (HILL VIEW)	SO 49740-21120		0						
AB0072701	LANCASHIRE (PICNIC SITE)	ST 32870-98400		S						
AA0015101	LANCASHIRE (HART-BEAR)	SE 94300-34300		46						
AN0140001	LANCASHIRE (GARRON VIEW)	SO 53600-21000		18						
AS1002501	LANCASHIRE (HERBERTS HILL)	SO 52700-21530		24						
AN0140001	LANCASHIRE (NO.3 GARRON VIEW)	SO 53000-21000		S						
AD0004201	LANCASHIRE	SO 47500-03200		S						
AS1002301	LANCASHIRE CROSSHURST	SO 39700-44570		40						
AS1002601	LANCASHIRE	SO 36500-13900		S						
AD0010501	LANCASHIRE	SO 26900-15700		S						
AA0012101	LANCASHIRE	SO 18000-03100		64						
HA0020001	LANCASHIRE (H.M.A HOUSE)	SO 00200-15200		S						
HA0020001	LANCASHIRE (CAMP FIFTH HOUSE) W.M.	SO 00300-18000		S						
HA0020001	LANCASHIRE	SO 03200-18000		S						
HA0020001	LANCASHIRE	SO 00000-14500		S						
PA0020001	LANCASHIRE	ST 25100-99900		S						
AS1003401	LANCASHIRE	SO 41600-11600		28						
SO 05600-14600	LANCASHIRE	SO 05600-14600		S						

UNCLASSIFIED WATERS (CONTINUED)

Consent Reference	Works Name	Works Grid Ref	Compliance with D/S Objective	Dilution in			Aesthetic Impact
				Pop	Receiving	Stream	
				Design			
AN0121001	PONTSHILL (WOODVIEW)	SO 64500-20500		140			
AN0121501	RUARDIAN (THE PLUDDS)	SO 61670-16090		14			N
AN0150401	SHIRENEWTON	ST 47500-94200		28			N
AL1002001	SPARRINGTON	SO 57100-54100		S			N
AG0013201	ST. NICHOLAS	ST 08700-73200	Y	320	0.2:1		N
AS1004001	ST. OWENS CROSS (PERRYFIELDS)	SO 53700-24560		60			N
AL1002901	STANFORD BISHOP	SO 68750-52030		S			N
AN0150301	STAUNTON (GLOUCESTERSHIRE)	SO 55200-12700		50			
AN0149601	STONE LACT (SWEDISH HOUSES)	SO 62400-50300		S			N
AN0150601	STRETTON GRANDISON	SO 63300-44000		S			N
AN0179101	TAIR OREN	ST 03760-74650		S			N
AN0146601	THE HARTH (FOREST VIEW)	SO 52300-06800		28			N
	TINYMAUGH	SS 93300-99300		208			
AN0149701	ULLINGSWICK (BULLOCKS BRIDGE)	SO 58900-48070		S			
AN0121101	UPTON BISHOP (BIRTLETONS)	SO 64600-27100		12			N
AL1003601	WOLFELOW	SO 67220 62100		20			N

Biological Impact	Fisheries Impact	Existing Consent Conditions					Consent Status	Class
		BOD	SS	EB3	D.W.F.(m3/d)	Other		
H							A3	A
							A3	A
							E3	A
							A3	A
		18	38	9	67		A1	A
							A3	A
							A3	A
							A3	A
							E1	A
							E1	A
							A3	A
							A3	A
							A3	A
							E1	A
							A3	A
							C	A

Appendix 4 (continued).

TIDAL WATERS

Consent Ref	Works Name	Works Grid Ref	Classified water	Compliance with classific'n
AB0050001	CARLTON	ST 33000-90600	Y	Y
AA0024301	CALDICOT	ST 47000-87400	N	Y
AP4027601	EAST ABERTHAM	ST 03300-66700	Y	Y
AS1002201	LIANDOGO	SO 52000-04200	Y	Y
AC0105301	MAGOR STW - WHITBRAD BREWERY	ST 43700-84500	N	
AB0007101	WASH	ST 33700-84100	Y	Y
AB0064101	PONTHIR	ST 33400-92600	Y	Y
AS1004001	SIDBURY	ST 54000-93420	Y	Y
AN0214001	CARLTON ROAD	ST 33720 89530	Y	Y
AB0050201	CHRISTCHURCH	ST 33900-89760	Y	Y
AN0024001	ST BRIDES	ST 29800-81400	S	
AS1004901	TINTERN	SO 53520-00460	Y	Y

Pop Design	Aesthetic impact	Special designation	Existing consent conditions					Consent Status	Class
			BOD	SS	NH3	DWP (m3/d)	Other		
15300	Y	N				2118		C	C
L	Y	Y	528	217		1740		C	C
220	N	Y		DESCRIPTIVE				A3	C
1150	N	N	150	150	50	182		A2	C
8800	N	Y	200	150			METALS	A1	C
75000	N	N	20	30		19318	METALS	A1	C
110000	N	N	130	100		24170	METALS	B1	C
4000	N	N	150	150		620		A2	C
S	N	N	50	100		6		A1	A
270	N	N	150	150		48		A2	A
S				DESCRIPTIVE				A3	A
600	N	N	150	150		98		A2	A

Appendix 4 (continued).

APPENDIX 5. Categorisation of works in South Western Division.

CLASSIFIED WATERS															
Consent Reference	Works Name	Works Grid Ref.	Compliance with:		Dilution in:		Receiving:		Aesthetic/Biological/Fisheries:		Existing Consent Conditions		Consent Status	Class	
			D/S	objective	Pop	Design	Stream	Impact	Impact	BOD	SS	D.W.F.(m3/d)			Other
BA2022601	MARLAS	SS 81400-82300;	Y	13600	3.5:1	Y	Y	L	Y	75	110	3126	108.6(L/S);	C	B
EC0006801	GABENSLIT	SH 82200-10200;	Y	32550	12.5:1	Y	Y	L	Y	27	30	9547	265.2(L/S);	C	B
EC0016601	TYRLEUS	SH 71300-83300;	Y	7200	27:1	Y	Y	M		43	47	5964	414.2(L/S);	C	B
BA2032701	MAISTIC	SS 87700-88400;	Y	24120	2.7:1	Y	Y	L	Y	35	50	6017	167 (L/S);	B3	B
BE0054701	ROWSTYRT (PUNETHCOCH)	SH 61900-84200;	Y	3516	8.5:1	Y	Y	L		45	55	614	28.4(L/S);	C	B
EC0013201	LLANDONI VELFET	SH 14300-16900;	Y	220	2:1	Y	Y	M	Y	95	75	27		D	B
BA2001101	CYRELY	SH 78900-84000;	Y	8500	6:1	Y	Y	L	Y	22	40	1832	63.6(L/S);	B3	B
BE0169101	YSTRAGYLLAIS	SH 77500-86800;	Y	25000	13:1	Y	Y			30/70	40/120	3409	173(L/S);	M1	B
BE0075601	CYCACO MILL	SS 64200-93300;	Y	2100	13:1	Y	Y	M		70	75	482	16.7(L/S);	C	B
BA2001201	AMERCAWD	SH 81600-82300;	Y	300	2000:1	Y	Y			160	110	34	1.2(L/S);	C	C
BE0003301	CLARACH	SH 59900-83900;	Y	175	216:1	Y	Y			DESCRIPTIVE				A3	C
BE0072901	CROUAD	SH 37700-30700;	Y	147	49:1	Y	Y	M		49	60	38.1		C	C
EC0016601	CROGILLI	SH 57700-10400;	Y	2132	21.5:1	Y	Y	M		41	35	435	30.2(L/S);	C	C
BA1005701	CROGELACH	SH 86400-85500;	Y	8000	43:1	Y	Y	L		50/125	75/225	1250	43.4(L/S);	M1	C
BE0103601	CROIFOR	SH 66830-25100;	Y	200	2540:1	Y	Y			20	30	50		C	C
BE0005601	CYRETHWD	SH 49400-47100;	Y	510	5:1	Y	Y	M		50	40	96	5.7(L/S);	C	C
EC0023501	LLANDONI BARRI	SH 65700-55100;	Y	559	41:1	Y	Y	M		33	50	127.3	8.9(L/S);	C	C
BE0202701	LLANDVETRY	SH 76130-33140;	Y	2600	38:1	Y	Y	M		38	65	336	11.7	C	C
EC0040001	LLANGADOG	SH 70800-28000;	Y	1318	33:1	Y	Y	M		80	80	222.7	7.72	A1	C
BE0039501	LLANGYDRE	SH 45400-13700;	Y	595	67:1	Y	Y	M		80/240	100/300	131	9.1(L/S);	M1	C
EC0001601	LLANON	SH 53740-87250;	Y	2250	20:1	Y	Y	M		20	30	460	12.4(L/S);	C	C
BE0100301	LLANFESTUD	SH 53300-69400;	Y	1000	288:1	Y	Y			40	60	20		A1	C
BE0026201	LLANWNE	SH 53400-46900;	Y	110	571:1	Y	Y			390	360	22		C	C
BE0000501	MYDROLIN	SH 45800-55400;	Y	210	98:1	Y	Y	M		26	38	35.6	2.5(L/S);	C	C
BE0055701	MYNALL	SH 85600-22200;	Y	2750	15:1	Y	Y	M		35	45	445	16.9(L/S);	C	C
EC0007801	PNECADER	SH 44400-36500;	Y	1620	39:1	Y	Y	M		20	30	439	20(L/S);	C	C
BE0003301	PUNTHGORS/BLANAU	SH 61100-13900;	Y	2392	9.8:1	Y	Y	L	Y	20	33	363	11.3(L/S);	C	C
BA2014001	PUNTHGODDICHAN	SH 98300-87700;	Y	450	640:1	Y	Y			65	55	61	1.7(L/S);	C	C
BE0000206	PONTIATYS	SH 47200-86700;	Y	4000	26:1	Y	Y	M		20	30			C	C
EC0021001	PONTIETHEN	SH 49400-10900;	Y	15690	18:1	Y	Y	M	Y	38	42	3404	236.4(L/S);	C	C
BA2001301	RISOLVET	SH 82500-82800;	Y	5420	174:1	Y	Y	M		90	85	886	25.7(L/S);	C	C
BE0071601	TRAFGARRE	SH 95800-22970;	Y		L	Y	Y			20	30	13.6		A3	C
EC0019001	TRINISAR	SH 43800-66000;	Y	4470	21:1	Y	Y			75/150	75/200	914	26.9(L/S);	M1	C
BE0138501	WEITLAND	SH 20200-16400;	Y	2000	230:1	Y	Y			40	50	216	14.8	C	C

CLASSIFIED WATERS (CONTINUED)			Dilution in		
Consent Reference	Works Name	Works Grid Ref	Compliance with D/S objective	Pop Design	Receiving Stream
EM0028101	ABERCRAF	SN 80800-12400	Y	40	>6000:1
EM0007002	ABERGOLLECH	SN 58630-33800	Y	188	140:1
EM0112801	ADPAR	SN 30400-41000	Y	1750	696:1
BC0028801	ALLTYBLACCA	SN 52400-45700	Y	100	>3000:1
EM0269701	RANCYFELIN	SN 32500-17900	Y	200	427:1
EM0000302	BRICHTA	SN 53020-30210	Y	320	180:1
EM0000101	CHILLAN	SN 60200-49000	Y	200	2393:1
BC0049001	CENARTH	SN 26900-41200	Y	266	5770:1
BP0101201	CENARTH 2 (GLANTRAFON)	SN 26570-41600		2659	18:1
BA2001001	CLYNE	SN 79000-00400	Y	540	1200:1
BC0028101	CONWTL ELFD	SN 37670-26900	Y	221	159:1
BC0015601	CMTAWIL	SN 57200-11200	Y	140	253:1
EM0018001	CWRT HYHRI	SN 55400-22800	Y	300	169:1
EM0060601	DRYFACE/VILINDRE	SN35100-39900		600	1660:1
EM0073201	FRILINDRE PARCBOG	SN 09000-39000	Y	129	2515:1
EM0194101	FFAIRFACE	SN 61750-21100	Y	4015	440:1
EM0077501	FFARKRES	SN 04820-44540	Y	120	281:1
EM0013701	HEMLLAN	SN 35400-40200	Y	952	1155:1
EM0071101	LETTERSTON WEST	SN 92800-29030	Y	280	115:1
EM0027201	LLANDDAROG	SN 49300-10300	Y	1050	38:1
BC0010201	LLANDYSUL	SN 41800-40200	Y	3600	250:1
EM0070601	LLANFAIR CLYDOGAU	SN 62200-51200	Y	100	224:1
BP0015201	LLANFARIAN	SN 59200-77700	Y	750	162:1
EM0020802	LLANFIRANGEL-AR-ARTH	SN 45500-40000	Y	413	2170:1
EM0002701	LLANGRITHO	SN 61200-58800	Y	234	288:1
EM0099101	LLANILAR	SN 62300-75500	Y	800	347:1
EM0049101	LLANPUMPSAINT	SN 41600-29100	Y	648	140:1
EM0111901	LLANSAWEL	SN 62320-36100	Y	344	250:1
BJ0091401	LLANTBYDDER	SN 51000-43100	Y	2320	159:1
BC0036801	LLANTYCHAFR	SN 98600-35500	Y	90	700:1
BC0024901	LLICHRID	SN 21100-43600	Y	600	2368:1
BJ0005001	LLYS Y FRAN DAM	SN 03000-24300	Y		1870:1
BC0037101	MEIDRIM	SN 28960-20430	Y	840	94:1
BZ0000001	MIDDLE HILL (SEPTIC TANK)	SN 00600-25000	Y		L
EM0002601	NANTGARIDIG	SN 50360-21500		750	
EM0015601	PENRHAT	SN 50900-63000	Y	120	69:1

Aesthetic Impact	Biological Impact	Fisheries Impact	Existing Consent Conditions					Consent Status	Class
			BOD	SS	NH3	D.W.F.(m3/d)	Other		
			DESCRIPTIVE					A3	A
			35	140		25.6		C	A
			100	100	-	318	22(L/S)		A
			DESCRIPTIVE						A
			70	70		32	0.8(L/S)	C	A
			37	35		43.6	2.1(L/S)	C	A
			DESCRIPTIVE						A
			21	30		36	1.3(L/S)	C	A
			20	30		469	30(L/S)	C	A
			150	150		74	2.6(L/S)	A2	A
			22	34		33	1.2(L/S)	C	A
			150	150	50	19.1	0.7(L/S)	C	A
			20	30		40.4		C	A
			100	100		124.6	8.65(L/S)	A1	A
			20	30		20.5	1.4(L/S)	C	A
			100	150	50	601	20.9	A1	A
			25	35		17	1.2(L/S)	C	A
			30	31		151.5	10.5(L/S)	C	A
			60	80		90.9	12.6(L/S)	A1	A
			70/200	110/300		182	0.3(L/S)	E1	A
			20	30		581.8	170.5(L/H)	B1	A
			100	100		17.7	0.58(L/S)		A
			100	100	40			A1	A
			22	30		56.3	3.9(L/S)	C	A
			20	34		42.5		C	A
			40	60	15	153	10.1(L/S)	B1	A
			32	32		117.8	6.2(L/S)	C	A
			37	41	7	96	3.2(L/S)	C	A
			100	100	50	664.3			A
			39	48		16.4	1.2(L/S)	C	A
			30	40		120		C	A
			DESCRIPTIVE						A
			20	30		64		C	A
			NO CONSENT						A
			150	150	50	341	11.9(L/S)		A
			20	65		33.4	1.6(L/S)	C	A

Appendix 5 (continued).

CLASSIFIED WATERS (CONTINUED)			Compliance with D/S objective	Pop Design	Dilution in Receiving Stream			Aesthetic Impact	Biological Impact	Fisheries Impact	Existing Consent Conditions					Consent Status	Class
Consent Reference	Works Name	Works Grid Ref			Stream	Impact	Impact	Impact			BOD	SS	NH3	D.W.F.(m3/d)	Other		
BG0036101	PENTRECHWT	SH 38900-39100	Y	324	3500:1	N					40	50		50		C	A
BA2014001	PONTREHYDFENDIGAID	SH 72000-66800	Y	1006	75:1	N	N				20	30		61	1.7(L/S)	C	A
BH0077401	PUMPSAINT	SH 65040-40500	Y	120	446:1	N	N				20	30		10.5		C	A
BH0050701	RHANDIRMWY	SH 78130-43230	Y	250	3400:1	N					DESCRIPTIVE						A
BP0101301	RHYDYFRLIN	SH 59070-79010		577	1000:1						100	100		47	6.4(L/S)	A3	A
BT0000401	TALSARN	SH 54400-50300	Y	100	1164:1	N					DESCRIPTIVE						A3
BH0057801	TRIGARON	SH 07300-59200	Y	1500	167:1	N					100	150	20	240	7.11	C	A
BH0060601	WOLFSCASTLE	SH 95000-26600	Y	525	136:1	N					55	70		77.3	5.4(L/S)	C	A
BA1014501	YNTSARNED	SH 01400-02100	Y	40	1138:1	N					DESCRIPTIVE					A3	A

Appendix 5 (continued).

UNCLASSIFIED WATERS

Consent Reference	Works Name	Works Grid Ref	Compliance with D/S objective	Pop Design	Dilution in Receiving Stream
BC0001501	CROSSHANDS	SN 56300-12300;	N	3447	0.5:1
BC0012001	LANGDON	SN 10500-07300;	N	1740	6:1
BC0007701	HARBERTH EAST	SN 12300-15200;	N	S	S
BH0166701	TEMPLETON	SN 11400-10900;	N	320	2:1
BC0018701	HERMON	SN 20900-32300;	N	500	5:1
BC0002201	CAPEL BANGOR	SN 65000-80300;	N	150	2:1
BH0266701	NEWCHAPEL	SN 22600-39200;	N	240	1.1:1
BP0016901	SALEM	SN 62140-20650;	N	200	S
BC0017801	CARWAY	SN 46000-06900;	N	840	1.3:1
BC0004801	DEVILS BRIDGE	SN 73800-76700;	N	50	3.5:1
BC0034601	MERRION CAMP (CASTLE MARTIN)	SE 94370-96950;	N	200	0
BH0056201	TAVERNSPITT	SN 10300-13000;	N	450	1:1
BH0042501	CARMEL AND PANTYLLIN	SN 00100-17400;	N	420	7:1
BH0056001	ST FLORENCE	SN 00700-01000;	N	490	9:1
BC0038701	CROSS INN AND WREO	SN 54000-65200;	N	123	57:1
BC0022401	LAMPHEY	SN 01900-00800;	N	567	42:1
BC0021501	LLANGYBI	SN 60600-53100;	N	144	89:1
BP0019601	KILGETTY	SN 13100-07500;	N	728	21:1
BH0003601	HARBERTH WEST	SN 10300-14200;		2000	5.3:1
BH0044201	CAREN	SN 05200-03500;	Y	160	18:1
BC0016901	SPITTAL	SN 97400-22600;		200	2.4:1
BH0064701	LETTIKESON EAST	SN 95400-29500;		280	11:1
BC0034501	ABIRCYCH	SN 24300-41200;	N	251	16.2:1
BC0001101	AMBLESTON	SN 00200-25500;		140	2.4:1
BP0034001	AMROTH	SN 17300-07200;	Y	04	10:1
BJ0078501	ASHFIELD ROW	SN 69430-28430;		80	S
BJ0078601	BETHLEHEM	SN 68200-25100;		88	93:1
BH0015001	BEULAH	SN 29500-46300;		360	1.3:1
BH0010301	BLANFFOS	SN 10200-37400;		200	9:1
BC0001201	BONCATH	SN 20200-39100;		443	2.5:1
BJ0078701	BROAD OAK	SN 57720-22470;	Y	80	2:1
BJ0098601	BROWNDD	SN 41950-24770;	Y	80	58:1
BZ0001201	CARRPACHILL	SN 79400-27000;		S	<1:1
BH0042101	CAIO	SN 67480-39680;	Y	159	60:1
BC0004901	CAMROSE	SN 92500-20100;		136	83:1

Aesthetic Impact	Biological Impact	Fisheries Impact	Existing Consent Conditions					Consent Status	Class
			BOD	SS	NH3	D.W.P.(m3/d)	Other		
Y	L	N	50	44		470	32.7(L/S)	C	B
Y	L	N	20	30		409.1	14.2(L/S)	C	B
Y	L	N	41	47		72	3.5(L/S)	C	B
Y	L	N	20	30		200	14(L/S)	C	B
Y	L		55/110	70/140		80	2.7(L/S)	K1	B
Y	M		300	220		28.8		C	B
Y	M		60/160	115/230		33.3	1.1(L/S)	C/D/K	B
Y	M			NO CONSENT					B
Y			130/250	90/180		97.3	3.4(L/S)	K1	B
Y			60/120	80/160		4.8	0.16(L/S)	C/D/K	B
Y						32			B
Y			20	37		61.4	2.2(L/S)	C	B
N	M		20	30		172		C	B
N	N	N	31	38		134	9.3(L/S)	C	B
Y	N		40/80	65/180	20/40	35	1.2(L/S)	C/D/K	B
N	M	N	65	70		65		C	B
N	M		35	43		24	0.7(L/S)	C/D/K	B
N	M		50	90	20	170	0.6(L/S)	K1	B
Y	M		25	40				C	B
N			30	60	20			A1	B
Y	M		36	60		31.4		C	B
Y	M		39	80		40	2.8(L/S)	C	B
Y	N		20	30		34.4	2.4(L/S)	C	C
N	M		130/200	115/200		16	0.55(L/S)	C/D/K	C
N			30	60		770	22	A1	C
N			75	90		10.9		C	C
N	N		75	95		12		C	C
Y			25	29		57.3	4.0(L/S)	C	C
N	N		56	150	25	25.9		C	C
Y	L		27	30		60	2.1(L/S)	C	C
N	M		55	85		10.9		C	C
N			33	36		16		A1	C
Y								D	C
N	N		20	60		21.8		C	C
N			39	70		32		C	C

Appendix 5 (continued).

UNCLASSIFIED WATERS (CONTINUED)

Consent Reference	Works Name	Works Grid Ref	Compliance with, D/S objective	Pop Design	Dilution in Receiving Stream
BH0054901	CAPPL INAN	SH 29300-36100	Y	320	30:1
BC0003501	CASTLEMORRIS	SH 90200-31600		64	2:1
BH0027001	CILGERAN	SH 19400-43300		1000	9:1
BH0050901	CILYCHN	SH 75430-39600	Y	120	66:1
BC0014501	CLARBKSTON ROAD NO 1	SH 01200-20900		500	1.6:1
BC0029501	CLYNDKRNK	SH 12100-18300		1340	6:1
BC0027001	CRIBTH	SH 51500-51200	Y	250	100:1
BC0019001	CROISGOCH	SH 02700-30300		193	1.1:1
BH0059501	DIHNYD	SH 40200-56600		154	30:1
BC0047901	EGLWYSNEN	SH 13000-30500		5	23:1
BH0072001	FPOSTRASOL	SH 37400-47400		200	8.6:1
BI0016301	FOUR ROADS	SH 44600-09300	Y	200	11.5:1
BJ0076001	GOLDEN GROVE	SH 59000-20200		66	9:1
BC0043501	GORSGOCH	SH 47600-50500	N	100	15:1
BA1002401	HIRMAU	SH 93600-00740	Y		2.6:1
BP0007901	KRESTON	SH 90000-10700		5	11.5:1
BC0023601	LAMPETER VILFREY	SH 15600-14000	Y	150	9:1
BP0044503	LIANBOIDY	SH 21990-22760	Y	140	60:1
BH0077601	LIANFYRDD	SH 55700-27100		300	19:1
BH0002901	LIANFYREACH	SH 22000-31000	Y	440	252:1
BH0095701	LIANGYNOG	SH 33000-16010	Y	20	30:1
BC0006101	LIANSAINY	SH 30100-00600	Y	547	6:1
BH0269501	LIANYTRI	SH 33350-12870	Y	200	80:1
BC0027301	LIANYCHLYN	SH 43900-59300	Y	144	78:1
BP0063001	LUDCHURCH	SH 15000-10700	N	15	TO POND
BC0000401	MAKNCLOCHOG	SH 07600-20800		300	11:1
BC0022701	MARLORS	SH 79700-00400		280	2.6:1
BC0037101	MATREY	SH 08200-31600		300	26:1
BC0037301	MANTREHIS	SH 36000-57100	Y	377	42:1
BC0014001	PANTYG	SH 92700-34900		112	5:1
	PENIEL				18:1
BC0011301	PENHARD (LINKSIDE) HORTON DR	SS 54950-09100	Y	1270	2:1
BH0005101	PENPARC	SH 20600-47200		400	1:1
BC0017601	PUNCHRESTON	SH 01000-29000	Y	256	11:1
BH0072501	RED ROSES	SH 19700-11600	Y	164	0.4:1
BH0008001	REDCLIFFE	SH 11600-13500		37	5:1

Aesthetic Impact	Biological Impact	Fisheries Impact	Existing Consent Conditions					Consent Status	Class
			BOD	SS	NH3	D.W.F.(m3/d)	Other		
Y	N		20/60	180/400		50.8	3.5(L/S)	C/D/E	C
N			280	260				C	C
N	M		20	30		204.5	7.1	C	C
Y	M		100/300	200/600		26	1.8(L/S)	C/D/E	C
Y	M	N	20	30		84	5.8(L/S)	C	C
N	M		13	17		162.8		C	C
N			40	45		34.1		C	C
N	M		38	56		26.3		C	C
N	N		15	20		24.5		B1	C
N	N		60/150	75/200		33.8	0.88(L/S)	C/D/E	C
N	L		20	42		31.8		C	C
N	M		20	30		32	1.1(L/S)		C
			80	70		9.1		C	C
N	M		50	80		18.6	0.7(L/S)	C	C
N	L		20	30					C
N	M		21	40	25			B1	C
N	N		32/65	70/140		27.2	0.95(L/S)	B1	C
N	N		40	25	25			A1	C
			20	30		68	24(L/S)		C
N			30	41		57	2.65(L/S)	C	C
N	N		65	170		9	0.32(L/S)	D	C
N			55	85		70	4.9	D	C
N	N		47	70		31	1(L/S)	A1	C
N	N		55	55		24.1		C	C
								C	C
N	M		30	30		59.1	3.9(L/S)	C	C
N			27	50		56	1.6(L/S)	C	C
N	N	N	20	30		111	3.9(L/S)	C	C
Y	N		22	30	6	48.7	3.4(L/S)	C	C
N	N		28	34		15.3		C	C
									C
N	N		80/160	100/200		187	5.8(L/S)	X3	C
Y	L		160	300		74.7	5.09	D	C
N	M		23	36		38.4		C	C
N	N		38	40		46	2.0(L/S)	A1	C
N			120	480		2.4		C	C

Appendix 5 (continued).

UNCLASSIFIED WATERS (CONTINUED)

Consent Reference	Works Name	Works Grid Ref	Compliance with D/S objective	Pop Design	Dilution in Receiving Stream
BH0280301	RYNHALTON	SN 09000-08700	Y	112	190:1
BC0002501	RYNOLDSTON	SS 46600-90900	Y	900	76:1
BC0029101	REOSCROWTHER	SN 90000-02200	Y	140	17:1
BC0038101	REOSHILL	SN 19300-40000		42	0.6:1
BP0013501	RHYDLWIS	SN 34500-47300	Y	270	21:1
BG0000501	ROSEMARKIT	SN 95300-07900		400	21:1
BL0138601	SOLVA	SN 80700-24100		800	
BG0011501	ST ISMAILS	SN 03200-06800		440	4:1
BC0022201	SY NICHOLAS	SN 03900-35700		154	90:1
BJ0079201	ST. TWYNWELLS	SR 94800-97800	Y	60	3:1
BC0011001	TALGARREIG	SN 42500-51000	Y	100	280:1
BH0005301	TALLY	SN 64800-31820	Y	373	9:1
BG0013101	TIERS CROSS	SN 90300-10000		216	3:1
BH0269401	TRELECH	SN 28200-30400	Y	150	18:1
BH0052401	TREVINE	SN 03700-32300		517	6:1
BH0073801	VIRWIG	SN 18200-49400		200	
BA1015401	WICK	SS 93500-73100	Y	642	7:1
BH0037001	ALLTWALIS	SN 44300-31360	Y	126	01:1
BA2039701	BYRN TERRACE	SS 07800-80300	Y	45	
BC0003201	BYNRA FAWR FARM	SS 54800-99000			
BP0152501	COOMER	SN 33520-14040		82	
BJ0076101	CRUGYBAR	SN 65600-37600	Y	80	160:1
BP0044401	CRYNICH	SN 18300-34700		N	3.9:1
BJ0076001	CYNGHORDY	SN 00300-39930	Y	144	146:1
BC0020401	FELINDRE	SN 03100-03000	Y	S	138:1
BJ0075601	FELINGNM UCHAF	SN 50870-24420		83	160:1
BA2026901	FFORESTGOCH	SN 74200-01600	Y	63	
BG0018801	GLOGUR	SN 22000-32500	Y	85	298:1
BH0055601	GRINFIELD TERRACE	SN 50800-42300	Y	42	283:1
BJ0075901	GWYNFE	SN 72420-21920	Y	48	1350:1
BC0006301	LAMPETER	SN 57600-47600		3675	177:1
BC0010301	MOYLEGROVE	SN 11500-44900		200	139:1
BH0050801	MYDDFAI	SN 77550-29740		100	
BD0031001	MAWGWINEU	SN 69900-14100	Y	25	223:1
BC0004401	PONTYRMYD	SN 75200-80900		100	126:1

Aesthetic Impact	Biological Impact	Fisheries Impact	Existing Consent Conditions					Consent	
			BOD	SS	NH3	D.W.F.(m3/d)	Other	Status	Class
N	N					25		B3	C
Y	N	N	65	48		127	8.8(L/S)	C	C
N			100	100	30	19.1	1.34(L/S)	C	C
			75	220		7.2	0.5(L/S)	A1	C
N	N		40	60	25	60.9	3.2(L/S)	A1	C
Y	N		90/180	65/180		124	5(L/S)	C/D/E	C
N	N		20	30	5	418	19(L/S)		C
N	N		32	46				C	C
N	N		44	66		24.5		C	C
N	N		62	80	50	18	0.55(L/S)	A1	C
			150	150		12.8		A2	C
N	N	N	29	43		50.9		C	C
			95	110		147	1.7(L/S)	C	C
N	N		32	33		23	1.4(L/S)	C	C
	N		30	40		104.5	7.3(L/S)	C	C
	N		15/45	50/150		36.4	2.5(L/S)	C/D/E	C
N	N		31	48		134	4.7	C	C
N			45	60		19.9		C	A
N	N		DESCRIPTIVE					A3	A
N			SOAKAWAY					B3	A
N	N		80	460		10.9	MAX.10.25	C	A
N	N	N	15	25	5(S)/10(W)			A1	A
N			60	110		19.7		C	A
N	N	N	42	75		77	2.7(L/S)	C	A
	N		200	100		11.4			A
N	N		DESCRIPTIVE						A
N			150	150	50	12.5		A2	A
N			160	85		4.5		C	A
N			DESCRIPTIVE					C	A
Y	N		100	100		500	19.5(L/S)	C	A
N			50	60		32	1.6(L/S)	C	A
	N		27	37		22	1.6(L/S)		A
N	N		DESCRIPTIVE					A3	A
			DESCRIPTIVE						A

Appendix 5 (continued).

UNCLASSIFIED WATERS (CONTINUED)			Dilution in:						Existing Consent Conditions					Consent:	
Consent Reference	Works Name	Works Grid Ref:	Compliance with D/S objective	Pop Design	Receiving Stream	Aesthetic Impact	Biological Impact	Fisheries Impact	BOD	SS	NH3	D.W.F.(m3/d)	Other	Status	Class
8G0023001	PONTREYDCERT STW LLWYCEGLYN	SH 21100-42600		140		H			100	100	30	18.2	1.27(L/S)		A
RI0064561	REYD-Y-PANDY	SH 66500-02200	Y	170	116:1	H	H		80/160	150/300		14.3	0.5(L/S)	B1	A
BN0267001	ROSEBUSH	SH 07300-29300		100		H			85	65		22.7	1.06(L/S)	D	A
BN0058201	SCLYDDAU	SH 94600-33900		420	20:1	H			21	30		78.4	5.3(L/S)	C	A
BB4018701	STORMY DOWN	SS 83700-80500		80					DESCRIPTIVE			55	1.95(L/S)	A3	A
BP0095901	SWEET WELLS	SS 90700-89200		60		H			DESCRIPTIVE -		SOAKAWAY			A3	A
BJ0075101	TRAPP	SH 65370-16900	Y	24	1050:1	H			45	70		3.3		C	A
BJ0075801	TWYNLLANAN	SH 75430-24260		80	1246:1				40	00		11			A
BN0003001	WALTON EAST	SH 02300-23000		90	27:1	H			23	30		16.4	0.6(L/S)	C	A

Appendix 5 (continued).

TIDAL WATERS

Consent Ref	Works Name	Works Grid Ref	Classified Water	Compliance with classification	Pop design
BT0003607	LLANWELLI	SS 50800-98800	Y	N	23000
BT0147002	KIDWELLY	SN 39900-06200	Y	N	4500
BP0062701	ST DAVIDS	SN 74100-24500	C		4000
BP0077701	SAUNDERSFOOT	SN 12500-04900	N	N	3000
BH0053401	PARCYSPLOTTS	SN 39800-17800	Y	N	20000
BP0151701	FISHGUARD	SN 96000-37700			
BP0430201	OGAF NORTHA	SN 85390-37760			
BP0063401	GOODWICK	SN 85250-39060			
BP0062101	ABERARTH	SN 47900-64000	C		470
BP0054601	BISHOPSTON	SS 50300-87800	C	Y	4500
BT0177701	BURRY PORT	SN 45300-00700	Y	N	8000
BC0003201	BYNEA AND HALFWAY STN	SS 55300-90400	Y	N	27500
BH0074101	CARDIGAN	SN 17200-46200	Y		7030
BC0016101	CROFTY (TRADING ESTATE)	SS 52300-95600	Y	Y	2400
BH0169301	PERKYSIDE	SN 37200-11470	N	Y	1400
BC00003001	CONERTON	SS 59600-97300	Y	Y	55400
BC0003701	HENDY	SN 58300-83300	Y	Y	5852
BC0016701	HEERBRANDSTON	SN 86900-07200	Y		1010
BH0000402	HOOK	SN 98500-11000	Y		1200
BJ00091501	JOHNSTON	SN 93800-11100	Y		1203
BC0000501	LLANGKENNICH	SN 56700-01000	Y	Y	8756
BP0062301	LLANGRANOG (SEPTIC TANK & OUTFALL)	SN 30800-54200	C		N
BC0042201	LLANGWM	SN 99500-00700	Y		1310
BT00006405	LLANMADOC	SS 44600-93400	Y	Y	2300
BC0018001	LLANWANT	SS 57800-99800	Y	Y	30000
BC0001601	LLANON	SN 51800-07500	C		1000
BC0015401	LLANRHIDIAN	SS 49700-92700	Y	Y	360
BP0062801	MANORBIER	SS 06200-97800	N	N	520
BJ00087401	MIRLINS BRIDGE	SN 95500-14600	Y		16000
BH0192501	MILTON	SN 04100-03200	N	N	308
BH0069602	MYTLAND	SN 95800-05400			6337
BP0054801	OVERTON	SS 46500-85000	C	Y	900
BP0054901	OXNICH	SS 49500-85200	C	Y	1500
BH0077102	PANTYRATHRO	SN 36830-13570	N	Y	1057
BC0013401	PERKERY	SN 41500-00000	Y	Y	3832

Aesthetic Impact	Special designation	Existing Consent Conditions				Consent Status	Class
		BOD	SS	NH3	DWP(m3/d) Other		
Y	Y		175		11333	B1	B
Y	Y		175/350		1894	B1	B
Y	Y				76(L/S)	DEEMED	B
N	N				1200	DEEMED	B
N	N	250	150		3033	C	B
					105.3(L/S)		B
							B
							B
N						DEEMED	C
N	Y					DEEMED	C
Y	Y	235/350	150/270		2450	A1	C
Y	Y	300	120		6181	B1	C
N	N	210	160		2624	C	C
N	Y	22	55		340	A1	C
N	N	37	55		252	C	C
N	Y	41	55		21140	A1	C
Y	N	320	150		1071	B1	C
N	N	60	80		173		C
N	N	40	60		218	C	C
N	N	40	60		210	C	C
N	N	34	37		2026	A1	C
N						DEEMED	C
N	N	40	60		178.6	C	C
N	Y	30	30		1518	A1	C
N	N	48	60		9544	A1	C
N						DEEMED	C
N	Y	85	140		61	A1	C
N	N				608	A1	C
N		20	30		4100	A1	C
Y	Y	150	100		32	C	C
			150		1140	A2	C
N	Y		NO CONDITIONS			DEEMED	C
N	Y		NO CONDITIONS			DEEMED	C
N	N	23	48		168	C	C
N	Y	120/240	75/150		733	A1	C

Appendix 5 (continued).

TIDAL WATERS (CONTINUED)

Consent Ref	Works Name	Works Grid Ref	Classified Water	Compliance with classific'n	Pop design
BC0013901	PENCLANDD	SS 54500-95900	Y	Y	2500
BJ0084201	PENDINE	SN 23800-07900	S	Y	4130
BR3006701	PENYBONT (MERTHYR MAWR)	SS 87700-76600	Y	N	180000
BC0000201	PWLL	SN 48200-00800	Y	N	7500
BP0054501	RHOSSILI	SS 42800-87600	C	Y	360
BP0082701	SKRINKLE	SS 08200-97500	S	N	2250
BP0054701	SOUTHGATE (HALL LANE)	SS 55700-87800	C	Y	1800
BC0024501	ST. CLAIRS	SN 28570-15030	Y	Y	2550
BP0062601	STACKPOLE	SR 98200-96400	N	Y	173
BP0063101	WALTON WEST	SM 86300-13100	Y		3030
BC0019601	ANGLE	SM 67400-03300	N	Y	568
BC0046401	COSHERSTON	SN 00100-03500	N	Y	600
BP0063201	DINAS	SN 01000-39700	C		504
BH0066901	HUNDLETON	SM 96300-01400	N	Y	840
BK0111901	LLANSTEPHAN	SN 35600-11200	Y	Y	722
BP0063901	PENYBONT/NEWPORT	SN 06100-39500	Y		70
BH0000701	PORTGAIN	SM 81400-32000	Y		435
BH0267101	UZMASTON	SM 97200-14100	Y		50
BH0073901	WATERSTON	SM 93500-06000			320

Aesthetic Impact	Special designation	Existing Consent Conditions					Consent Status	Class
		BOD	SS	NH3	DWT(m3/d)	Other		
N	Y	85	90		454	26.4(L/S)	A1	C
N	N	20	30	8	518.2		C	C
N	Y	40	135		23000	1910(L/S)	A1	C
Y	Y	150	100		1772	123.1	A1	C
N	Y		NO CONDITIONS				DEEMED	C
Y	N				360		C	C
N	Y		NO CONDITIONS				DEEMED	C
N	N	50	70		393.6	12(L/S)	C	C
N	N				31		DEEMED	C
N							DEEMED	C
N	N	150	150	50	79.2	5.51(L/S)	C	A
N	N	40	60		81.8	2.9(L/S)	C	A
N	N						DEEMED	A
N	N	150	150	8	137.5	9.8	B2	A
N	N	40	120		96	3.2(L/S)	C	A
N							DEEMED	A
N		60	80		79.1	2.8(L/S)	C	A
N		150			7.2		B2	A
N		40	60		44	3.1(L/S)	C	A

APPENDIX 6: Action Schedule.

Task	Work unit				Time
	PC	EAU	SP	DC	
Subjective assessment of Category C works	*				Feb - Mar 1992
Detailed assessment of outstanding Category B works	*				Mar - Aug 1992
Provisional costings	*		*	*	Ongoing from Mar 1992
Biological surveys (higher priority works)		*			Summer 1992
Detailed assessment of Category C works	*				Oct - Dec 1992
Phase 2 report			*		Jan - Mar 1993
Biological surveys (lower priority works)		*			Summer 1993
Information for Capital Plan required by DC			*		June 1993
Construction / consenting / monitoring	*	*	*	*	Ongoing (dependent on agreed timetable)

PC: Pollution Control
EAU: Environmental Appraisal Units
SP: Strategic Planning
DC: Dwr Cymru