

creu lle gwell
creating a better place

Environment Quality Scientist
Dwr Cymru Cyfyngedig
Pentwyn Road
Nelson
Treharris
CF46 6LY



Asiantaeth yr
Amgylchedd Cymru
Environment
Agency Wales

Our ref: See below
Your ref:

Date: 2nd of April 2007

Dear Environment Quality Scientist

Application to discharge effluent by Dwr Cymru Welsh Water from premises listed below.

Application no:

BC0016801	Pontardawe no 2. Into River Tawe CSO
BC0017801	Carway WWTW- Final Effluent
BE0042501	Carmel Wastewater Treatment Works
BG0016901	Spittal Wastewater Treatment Works
BH0053403	Craigwen Pumping Station CSO/EO
BJ0078701	Broad Oak WWTW- Final Effluent
BN0015801	Beulah WWTW- Final Effluent
BP0112001	Iron Duke SPS
BP0169901	Marlas Storm Tanks
BP0255601	Dynevor PS CSO & EO
BP0319101	Gilfachreda CSO
BP0361401	Beulah WWTW- Inlet Storm Overflow
BP0361601	Carmel WWTW- Settled Storm Overflow
BP0362001	Heol Illtyd CSO

Water Resources Act 1991 (as amended by the Environment Act 1995) Schedule 10

I enclose our formal consents to discharge in relation to your applications. You are now the holder of these Consents and should ensure that the conditions of the Consents are complied with at all times.

If you consider that the conditions of the consents are unreasonable, you have a right of appeal to:

National Assembly for Wales
Environment Protection & Quality Division – Water Branch
Cathays Park
Cardiff CF10 3NQ

Your appeal must be given in writing within three months of the date of issue of the consent and must include a statement of the grounds for the appeal. You should also send a copy of the appeal to us at the address below.

The Consents are important documents.

If you want to revoke (cancel), or vary (change/amend) the Consents in any way, please contact us. Similarly, if you change your contact address while continuing to hold the Consents, please let us know.

Asiantaeth yr Amgylchedd Cymru
Maes Newydd, Llandarsi,
Castell-Nedd Port Talbot, SA10 6JQ
Llinell gwasanaethau cwsmeriaid: 08708 506 506
Epost: enquiries@environment-agency.gov.uk
www.asiantaeth-amgylchedd.cymru.gov.uk

Environment Agency Wales
Maes Newydd, Llandarcy, Neath Port Talbot, SA10 6JQ
Customer services line: 08708 506 506
Email: enquiries@environment-agency.gov.uk
www.environment-agency.wales.gov.uk



These Consents cover water quality considerations only. They do not give any right or permission to discharge where land is not owned by the applicant. In addition, for discharges to watercourse they do not imply the suitability, with regard to volumetric capacity, of the receiving watercourses. It is the responsibility of the applicant to identify and negotiate, with the riparian owners as necessary, any requirement for downstream improvement works. Failure to do so could result in a Common Law action by the riparian owner.

You should be aware that those discharges which outfall directly into 'main river' may require a Land Drainage Consent from the Environment Agency before the outfall may be constructed. This is in addition to any discharge consent which may be granted. A charge will be levied to cover the processing costs of the Land Drainage Consent application.

Where the proposed outfall is to a watercourse which is the responsibility of an Internal Drainage Board (IDB) or local authority, then Land Drainage Consent is a matter between the applicant and the relevant IDB or local authority.

Any new outfall to a watercourse should be constructed so that it does not protrude or cause interference with flows. Works within 8 metres of a flood protection structure, for example a floodbank, will require a separate 'Works Affecting Watercourses and/or Flood Defences' application to be submitted.

Please ensure that the sample points for these discharges are maintained so that it is accessible to officers of the Environment Agency and that a direct sample of the effluent may be readily and safely taken at all times.

Public Register

Details of the applications for consent are placed on our Public Register which is open for inspection by the public.

Annual charges

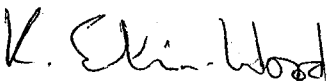
Under our current scheme of charges, these consented discharges will attract an annual charge from the date the consent is issued. You will be charged from this date whether or not you are actually discharging. Information on our charges is available through our website at www.environment-agency.gov.uk/charges. If you do not have access to the internet, a hard copy is available from me on request.

Change of Consent Holder

If in the future the name of the Consent Holder is due to change, both you and the new holder must inform us in writing before the change. We can then transfer the rights and charges to the new holder and send a certificate to confirm the transfer of consent.

If you have any queries please contact me.

Yours sincerely,

p.p. 

James Williams
Regulatory Officer (Water Quality)

Llinell uniongyrchol/Direct dial 01792 325546
Ffacs uniongyrchol/Direct fax 01792 325530
E-bost uniongyrchol/Direct e-mail james.williams1@environment-agency.gov.uk

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Environment Agency Wales
Maes Newydd, Llandarcy, Neath Port Talbot, SA10 6JQ
Customer services line: 08708 506 506
Email: enquiries@environment-agency.gov.uk
www.environment-agency.wales.gov.uk

CONSENT NO. BG0016901

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Asiantaeth yr
Amgylchedd Cymru
Environment
Agency Wales

WATER RESOURCES ACT 1991

SECTION 88 – SCHEDULE 10

(AS AMENDED BY THE ENVIRONMENT ACT 1995)

VARIATION OF CONSENT TO DISCHARGE

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

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

Secondary Treated Sewage Effluent

with respect to Modification of Consent No. BG0016901 issued on the 8th day of March 2005

FROM: SPITTAL WASTEWATER TREATMENT WORKS

AT: SPITTAL, PEMBROKESHIRE

TO: TRIBUTARY OF THE RUDBAXTON WATER

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

Secondary Treated Sewage Effluent

Schedule No. BG0016901 01

Subject to the provisions of Paragraphs 7 and 8 of Schedule 10 of the Water Resources Act 1991, no notice shall be served by the Agency, which affects the effect of variations made to this consent, without the agreement in writing of the Consent Holder, during a period of 4 years from the date this variation is issued.

This variation of consent is issued on the 20th day of March 2007
and takes effect on the 31st March 2007.

Signed 

Team Leader – Regulatory Water Quality

Asiantaeth yr Amgylchedd Cymru
"Maes Newydd", Llandarsi, Nedd Port Talbot. SA10 6JQ

Ffon 08708 506 506 Ffacs 01792 325511

Environment Agency Wales
"Maes Newydd", Llandarcy, Neath Port Talbot. SA10 6JQ

Tel 08708 506 506 Fax 01792 325511



CONSENT NUMBER	BG0016901
SCHEDULE NUMBER	BG0016901 01
DATE ISSUED	20th March, 2007

CONDITIONS OF CONSENT TO DISCHARGE

Secondary Treated Sewage Effluent ("the Discharge")

**FROM: SPITTAL WASTEWATER TREATMENT WORKS, SPITTAL,
PEMBROKESHIRE**

NATURE

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

LOCATION

2. The Discharge shall be made in the manner and at the place specified as:
 - (a) discharging via a 150 millimetre diameter pipe;
 - (b) discharging to a Tributary of the Rudbaxton Water;
 - (c) at National Grid Reference SM97348 22501;
 - (d) shown marked 'Final Effluent Discharge Point' on Plan BG0016901 attached as Annex 3.

SAMPLE POINT

3. An appropriately labelled sample point shall be provided and maintained at National Grid Reference SM97451 22608, as shown marked 'Final effluent Sampling Chamber' on Plan BG0016901, or some other point as agreed in writing with the Agency, so that a representative spot sample of the Discharge may be obtained. The consent holder shall ensure that all constituents of the Discharge pass through the said sampling point at all times and in any legal proceedings it shall, for the purposes of Section 10 of the Rivers (Prevention of Pollution) Act 1961, be presumed, until the contrary is shown that any sample of the Discharge taken at the said sampling point is a sample of what was being discharged into controlled waters.

VOLUME

4. The volume of the Discharge shall not exceed 384 cubic metres per day.
5. The Dry Weather Flow of the Discharge shall not exceed 81.4 cubic metres per day.

For the purpose of this condition Dry Weather Flow shall mean the average daily flow to the treatment works during seven consecutive days without rain (excluding a period which includes public holidays) following seven days during which the rainfall did not exceed 0.25 millimetres on any one day.

CONSENT NUMBER	BG0016901
SCHEDULE NUMBER	BG0016901 01

6. The rate of discharge shall not exceed 4.4 litres per second.

FLOW MEASUREMENT

7. A continuous flow monitoring and recording system, to a specification provided by the Agency, with on-site visual display from which readings can be readily obtained by the Agency, shall be provided and operated to record the daily volume and instantaneous flow of the discharge.
8. As soon as practicable after completion of the flow system installation the Consent Holder shall employ an independent expert to certify that the installation complies with the Agency's specification. The Consent Holder shall satisfy himself as to the professional competence of the expert. A copy of the certifier's report shall be provided to the Agency when it is available.
9. Records of the flow readings shall be maintained by the Consent Holder and shall be provided to the Agency when requested, in a format specified by the Agency.
10. The Consent Holder shall produce and maintain a quality control manual, approved by the independent expert and to the satisfaction of the Agency, specifying procedures for the calibration, operation and maintenance of the flow monitoring system. The flow system shall be calibrated, operated and maintained by the Consent Holder in accordance with the provisions of the manual. The Consent Holder shall keep a record of these procedures available for inspection by the Agency and provide a copy to the Agency on request.
11. The Consent Holder shall record all failures of the continuous flow system and any other breaks in the flow record. The reasons for these failures and breaks shall be recorded and all steps taken to prevent a re-occurrence. The Consent Holder shall ensure that as far as possible the recorder remains fully operational at all times. Any failures shall be remedied as soon as possible.
12. Flows of the discharge shall be measured at the Flow Meter Chamber at National Grid Reference SM 97447 22630, or such other point(s) as agreed by the Agency.

COMPOSITION

13. (a) Subject to paragraph (b) below, the Discharge shall not contain more than:
 - (i) 14 milligrammes per litre of biochemical oxygen demand (measured after 5 days at 20°C with nitrification suppressed by the addition of allyl-thiourea);
 - (ii) 10 milligrammes per litre of ammoniacal nitrogen (expressed as N)

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- (iii) 23 milligrammes per litre of suspended solids (measured after drying at 105°C);
- (b) The limit for any of the relevant parameters set out in paragraph (a) above may be exceeded where, in any series of samples of the Discharge taken at regular but randomised intervals in any period of twelve consecutive months as listed in Column 1 of the table at Annex 1 to this consent, no more than the relevant number of samples, as listed in Column 2 of the said table, exceed the applicable limit for that relevant parameter.

WORKS OPERATION

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

This condition does not require -

- (a) any higher standard to be achieved in relation to any characteristic of the discharge which is specifically regulated by conditions 13 and 14, than is required by those conditions;
- (b) any alteration of the works or a change in the type of treatment used.

UNUSUAL WEATHER CONDITIONS

- 15. (a) No sample of the discharge, taken at a time when unusual weather conditions are adversely affecting the operation of the sewage treatment works, shall be taken into account in deciding whether or not the conditions 13, 14 and 15 of this consent have been complied with.
- (b) For the purpose of this condition "unusual weather conditions" shall include:
 - (i) low ambient temperatures as evidenced by effluent temperatures of 5°C or less, or by the freezing of mechanical equipment in the works;
 - (ii) significant snow deposits;
 - (iii) tidal or fluvial flooding;
 - (iv) weather conditions causing unforeseen loss of power supply to the sewage treatment which could not be ameliorated by the reasonable provision and operation of standby generation facilities.
- (c) On any occasion where unusual weather conditions adversely affect the operation of the sewage treatment works, the Consent Holder shall use its best endeavours to mitigate that adverse effect.

CONSENT NUMBER	BG0016901
SCHEDULE NUMBER	BG0016901 01

- (d) For a sample of the discharge to be considered for the purposes of (a) above, the Consent Holder shall notify the Agency by telefax or telephone as soon as unusual weather conditions are known to have adversely affected operations and shall confirm the circumstances in writing as soon as possible thereafter (and in any event within 14 days of the occurrence of such conditions). That notification shall include a full description of the unusual weather conditions and their impact on the operation of the works.

RECORDING AND REPORTING

16. (a) The Consent Holder shall establish and operate a documented maintenance programme and record all non-routine actions undertaken that may have adversely affected effluent quality. Copies of the programme shall be made available for inspection by the Agency's officers at all reasonable times.
- (b) On request the Consent Holder shall supply the Agency with a written report on the maintenance and all non-routine actions that may have adversely affected effluent quality.
17. The Consent Holder shall notify the Agency in writing if any known or planned introduction or material change in respect of discharges from trade premises to the sewerage system occurs, that may increase or introduce into the effluent any "dangerous substance" included on Lists I, II, or Red List (set out in Annex 2 to this notice as updated from time to time and notified to the Consent Holder in writing), and any other substance considered by the Consent Holder as having or likely to have a significant effect on the receiving waters.

SUBSTANTIAL CHANGE

18. A discharge shall not be made from the works if it would cause a significant increase in the polluting effects of the discharge on controlled waters as a result of a new or altered discharge of trade effluent into the works.
- 18.1 A discharge of trade effluent into the works is new if -
- (a) it is made by the sewerage undertaker and is of a kind not made into the works by the undertaker immediately before the date of effect of this consent; or
- (b) it is made by a third party and the discharge is authorised on or after that date.
- 18.2 A discharge of trade effluent into the works is altered if -
- (a) it is made by the sewerage undertaker and its composition or quantity changes significantly on or after the date of effect of this consent; or

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SCHEDULE NUMBER	BG0016901 01

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

18.3 An increase in the polluting effects of the Discharge on controlled waters is not significant for the purposes of this condition if it relates to any characteristic of the Discharge which is specifically regulated by conditions 13 and 14 of this consent but it may be significant if it is caused by a change in some other characteristic of the Discharge.

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

- (a) any discharge by the sewerage undertaker other than
- (i) domestic sewage from premises connected directly or indirectly to the works; or
 - (iv) surface water run-off;
- (b) any discharge by a third party which is authorised under Chapter III of Part IV of the Water Industry Act 1991 or which is only accepted as a result of a contract with the sewerage undertaker.

UNAUTHORISED DISCHARGES

19. A discharge made from the works shall not contain any poisonous, noxious or polluting matter or solid waste matter which is attributable to any unauthorised discharge into the works.

- (a) A discharge into the works is unauthorised if it is made by a third party and either there is no obligation to receive it or conditions subject to which there is an obligation to receive it are not observed.
- (b) Nothing in this, or any other, condition of this consent prevents anyone from relying on any defence available to them under section 87 of the Water Resources Act 1991.

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SCHEDULE NUMBER	BG0016901 01

ANNEX 1

TABLE

Column 1

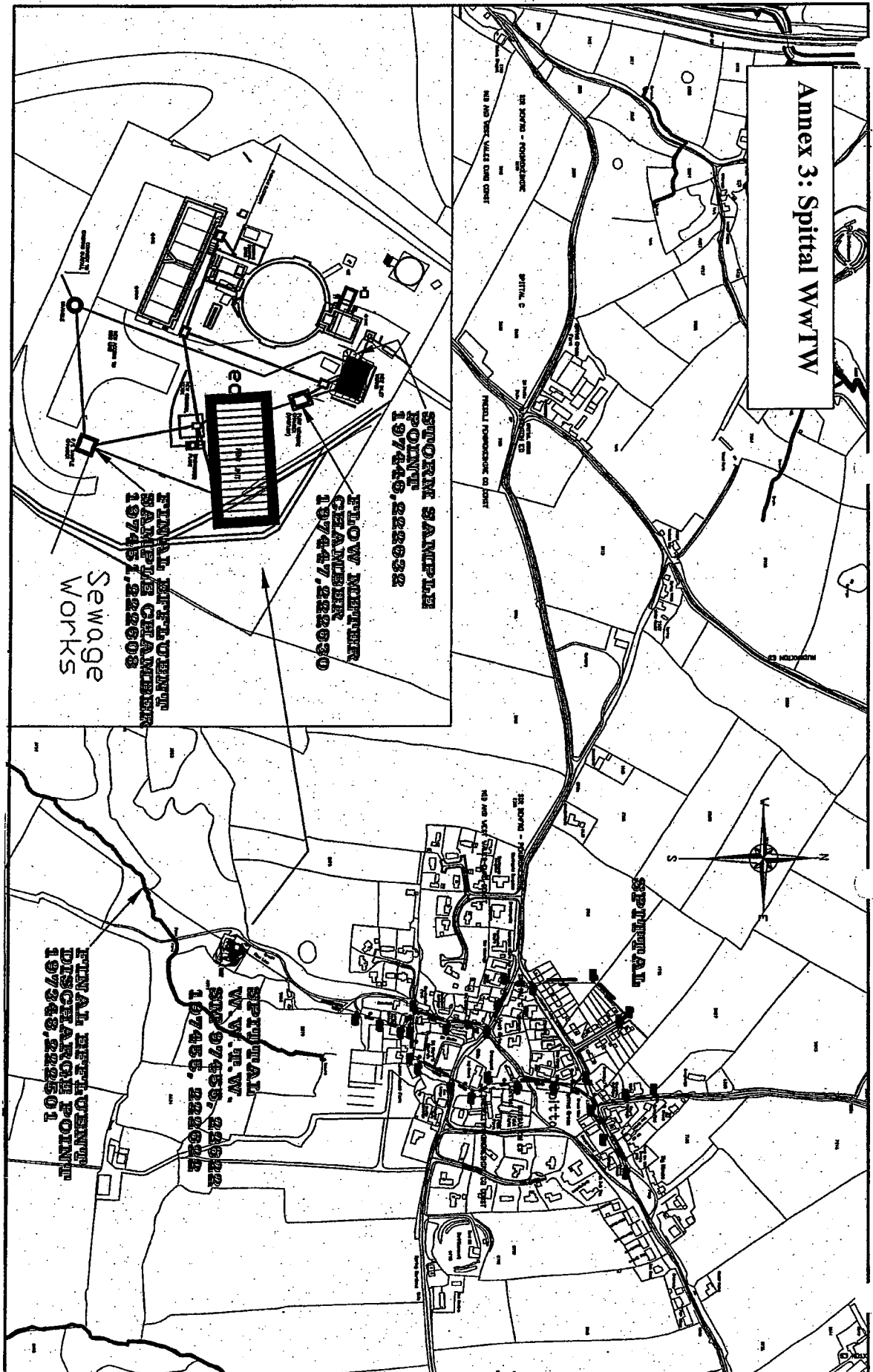
Column 2

Number of samples
taken in any period
of 12 months

Maximum number of samples
permitted to exceed limit
for given determinand

4-7	1
8-16	2
17-28	3
29-40	4
41-53	5
54-67	6
68-81	7
82-95	8
96-110	9
111-125	10
126-140	11
141-155	12
156-171	13
172-187	14
188-203	15
204-219	16
220-235	17
236-251	18
252-268	19
269-284	20
285-300	21
301-317	22
318-334	23
335-350	24
351-365	25

Annex 3: Spittal WWTW



DISCHARGE CONSENT PROGRESS CHECKING FORM (PCF)

Appl./Consent No.	B60016901	Date Received	20/11/06	Is Consent Under Appeal?	Y/N
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Area Customer Contact Authorisations Team (ACCAT)

DATE

INITIALS

Application for New <u>Variation</u> /Modification/Revocation (delete as appropriate) Consent Received		20/11/06	JL
Further Fee Required?	YES/NO		
Full Fee Received	£794	20/11/06	JL
Passed to <u>RST</u> /Environment Management (1, 2, 3, 4, 5)			

Determining Officer (Regulatory Support Team (RST) / Environment Management (EM))

Received by RST/ Environment Management												
Forwarded to RST/ Environment Management												
Delegated to (Determining Officer)		21/11/06		ML								
Further Info. Required?		YES/NO		21/11/06 ML								
Schedule 10 Info Received Enter new Relevant date		NA										
ACCAT advised advertising required		YES/NO		26/11/06 ML								
Confirmation received from ACCAT of placing of advert		NA										
ACCAT advised internal consultation required		YES/NO		NA								
SSSI / SAC / SPA (circle)		EN/CCW/NP Contacted										
Internal Consultee date responses received	WR	☒	EAT	☐	FD	☐	CRN	☒	FM	☐	EM	☒
	Flow renewed											
Other Internal Consultees												
External Consultee date responses received	Sea Fish	☐	CEFAS	☐	NAW	☐	H. Auth'	☐	CCW/EN	☐	NP	☐
Other External Consultees												
Referred to Process		YES/NO										
QA Process initiated		RST/PROCESS										
Please give reasons												
Response received from Process		RST/EM										
Determination to be extended?		YES/NO										
Date extended to:		31 3 07										
REASON FOR EXTENSION:		Workload Pressure										
Monitoring Amendment Required		Yes/No										
No of Samples / Inspections required by policy												
No of Samples / Inspections planned to be taken												
SPT description & H&S forms completed, sent to monitoring/Data												
Determination Document completed (including cost benefit)												
Dangerous Substance present in Discharge		Yes/No										
Location of discharge		England ☐ Wales ☒										
Charging Bands: Volume <u>D</u> Content <u>C</u> Rec. Water <u>S</u>		27/3/07 ML										
Effective Credit Date <u>31 3 07</u>		27/3/07 ML										

Consent Signing

	DATE	INITIALS
Consent checked by RSTL / RO / RS / SEO / EO / EMTL	20/3/07	AL
Consent signed by officer specified under NFSoD	21/4/07	P.P. K.E.W

Area Customer Contact Authorisations Team

Signed Consent Received by ACCAT		
Consent posted (NB. Recorded 1st class on date consent signed)		
If tidal, copied to Statutory Consultees	ISSUED	K.E.W
If advertised, Representees advised of determination		
Copy of Consent placed on Public Register		
PCF, WIMS/PREMIS and a copy of consent sent to Data and GIS		

Data and GIS

Consent input to WIMS Database	Date _____	
Consent checked on WIMS Database	Date _____	
Input to CFD Database	Date _____	
Checked on CPR	Date _____	
Preview Number		
PCF and copy of consent to Monitoring and Data		

Monitoring and Data Team

Received by Monitoring and Data.		
Set up sample point in WIMS		
Add sampling point in PREMIS		
Check determinands against consent/WIMS/PREMIS		
Associate Sample point on WIMS to consent details		
Pass hard copy consent to EM team leader		
Initiate Monitoring	Date _____	
Checked on	Date _____	
PCF form sent to Regulatory Support Team		
PCF form received by Regulatory Support Team		
PCF on Working Folder		

Request for Sample Point Creation

Please complete white boxes and forward to Monitoring and Data Team *Please delete as appropriate

Requested By	Mathew Griffiths		Phone Ext'n Number	7-26-5552	
Team	WQ	Date Request Made	27 March 2007		
SPT Number	(Completed by M&D)	Sampling NGR (10-fig)	SM 97451 22501		
Short Name (30-chars max)	Spittal WwTW				
Full Description (150-chars max)	Spittal WwTW, Spittal, Pembrokeshire				
Is SPT associated to a Consent? (If yes, fill in consent details overleaf)					YES
Postal Address for Sample Analysis Reports					
Contact Name / Company (30-chars max)	Dwr Cymru				
Address (30-chars max) (5 rows or 4 if name AND company given)	Dwr Cymru Pntwyn Road Nelson Treharris				
Postcode	CF46 6LY	Country			
Area (i.e. SE)	SW	Default material	4AZZ	Active	YES
SPT Type	SA	Location	I	Flow Glass	Cont
Lab Ref Type		Unitary Auth	Pembs CC		
Comments					

If you have any queries as to how to fill parts of this form in, please contact Sarah Atkinson (Monitoring and Data Officer). All the codes can be found on WIMS under Monitoring ⇒ Geographical ⇒ Sampling Points. Tab to the relevant field, and press F9 followed by the 'Home' key to get a list of values.

Please complete other side

Request for Consent Conditions Creation / Amendment / Deletion *

Consent ID	BG0016901	Version		Outlet No.		Release No.	
Effective Date (if known)	31/3 /2007		Tick box if SPT is an Upstream or Comparative SPT				
Determinand		Det Code	Value		Qualifier		
Flow- Total daily		6425	348m³/d		max		
Flow- Dry Weather Flow		7782	81.4m³/d		max		
Flow- instantaneous		3527	4.4 l/s		max		
BOD		0085	14mg/l		95% ile		
Ammonia		0111	10mg/l		95% ile		
Total Suspended Solids		0135	23mg/l		95% ile		

Request for inclusion in Monitoring Programme

Purpose Code(s)	
Route Name(s)	
ARG(s)	
Frequency	

Monitoring and Data Section Use Only

Request received		SPT associated with WIMS consent	
H&S Risk Assessment completed		Added to Route/Mon Prog	
WIMS SPT updated		Requesting Officer informed	
Link SPT to Area in MIDAS		Copy form to Lesley for GOMA update	

Last modified: 16th November 2005 (TJW)

Please complete other side