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Asiantaeth yr  
Amgylchedd Cymru  
Environment  
Agency Wales

<b>CONSENT NO.</b>	<b>AS1000701</b>
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**WATER RESOURCES ACT 1991**

**SECTION 88 - SCHEDULE 10**

**(AS AMENDED BY THE ENVIRONMENT ACT 1995)**

**NOTICE OF MODIFICATION OF CONSENT TO DISCHARGE**

**TO:** Environment Quality Scientist  
Dwr Cymru Cyfyngedig  
Pentwyn Road  
Nelson  
Treharris  
Mid Glamorgan CF46 6LY

Following a review of the conditions of its consent, the **ENVIRONMENT AGENCY** ("The Agency") in pursuance of its powers under paragraph 7(2)(b) of Schedule 10 to the Water Resources Act 1991 **HEREBY MODIFIES ITS CONSENT** to the making of a discharge **OF TREATED SEWAGE EFFLUENT**,

with respect to Variation No. AS1000701 issued on/dated the 23rd day of December 1988

**FROM:** DINGESTOW STW

**AT:** DINGESTOW

**TO:** TROTHY RIVER

as follows:

Addition of the following new conditions as Schedule AS10007011/F

**NOTE.** All other conditions of this consent remain unaltered and in force. This notice of modification should be read in conjunction with, and attached to Schedule 01 of AS1000701

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

This modification is served on 31<sup>st</sup> day of December 2005  
This modification takes effect on 31<sup>st</sup> day of December 2005

Signed .....  .....

**JEREMY PARR**  
Regulatory Water Quality Team Leader



<b>CONSENT NO.</b>	<b>AS1000701</b>
<b>SCHEDULE NO.</b>	<b>AS1000701 01/F</b>
<b>DATED</b>	<b>31<sup>st</sup> December 2005</b>

**Conditions to be added :**

- F1.** A continuous flow measurement and recording system, to a specification provided by the Agency, shall be provided and operated to record the total daily volume, and the instantaneous or 15-minute integrated flow every 15 minutes of the discharge. An on-site visual display from which instantaneous or 15-minute integrated flow readings can be readily obtained by the Agency shall be provided and operated. The Consent Holder shall hold records of the flow readings.
- F2.** As soon as practicable after completion of the flow system installation and subsequently on the expiry of any certificate issued, the Consent Holder shall employ an independent expert to certify that the installation and its quality management system complies with the Agency's specification. The independent expert shall be accredited to a competency scheme approved by the Agency. A copy of the certificate shall be sent to the Agency and the certifier's report shall be provided to the Agency on request. If a certificate issued for a flow system has no expiry date included then the certificate shall be deemed to expire five years after the issue date of the certificate.
- F3.** The Consent Holder shall produce and maintain a documented quality management system, approved by the independent expert and to the satisfaction of the Agency, specifying procedures for the calibration, operation and maintenance of the flow measurement equipment. The flow measurement equipment shall be calibrated, operated and maintained by the Consent Holder in accordance with the provisions of the QMS. 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.
- F4.** The Consent Holder shall record all failures of the continuous flow measurement system and any other breaks in the flow record. The reasons for all significant failures and breaks, which lead to missing or suspect data, and all steps taken to prevent a re-occurrence shall be recorded and details shall be provided to the Agency on request. A failure or break is significant for the purposes of this condition if it prevents the calculation of the total daily volume to the required level of uncertainty. 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.

<b>CONSENT NO.</b>	<b>AS1000701</b>
<b>SCHEDULE NO.</b>	<b>AS1000701 01/F</b>
<b>DATED</b>	<b>31<sup>st</sup> December 2005</b>

- F5.** Records of the flow readings or the reasons for any breaks in the record, as described in condition F4 above, shall be provided to the Agency when requested, in a format specified by the Agency.
- F6.** Flows of the discharge shall be measured at the location identified by the MCERTS inspector in Report Reference Number HS0214/d2/8.

**Other conditions of the consent**

All other conditions of the consent remain in force. Consent AS1000701 is updated accordingly.

WO REF WEP/WS 9113/14  
WWA REF AS 1000 701

WELSH OFFICE

CONTROL OF POLLUTION ACT 1974: SECTIONS 34 AND 55  
THE CONTROL OF POLLUTION (DISCHARGES BY AUTHORITIES) REGULATIONS 1984  
CONSENT FOR A DISCHARGE

1. The Welsh Water Authority (hereinafter referred to as 'the Water Authority') proposes to discharge sewage effluent from the Dingestow Sewage Treatment Works to the River Trothy at National Grid Reference SO 4589 1005 in accordance with the application dated 29 November 1988.
2. The proposal requires the consent of the Secretary of State for Wales in pursuance of sections 34 and 55 of the Control of Pollution Act 1974 and the Control of Pollution (Discharges by Authorities) Regulations 1984.
3. THE SECRETARY OF STATE FOR WALES hereby consents to the proposed discharge subject to the discharge conforming at all times to the terms of the certificate attached hereto.

Dated this

23

day of

*December*

1988

Signed

*Aspl...*

on behalf of the Secretary  
of State for Wales

THE CONTROL OF POLLUTION ACT 1974: SECTION 34  
THE CONTROL OF POLLUTION (DISCHARGES BY AUTHORITIES)  
REGULATIONS 1984 (SI 1984 NO 1200)

CERTIFICATE TO BE SUBMITTED WITH A REQUEST FOR A  
DESCRIPTIVE DISCHARGE CONSENT

On behalf of the Welsh Water Authority we certify that, in respect of the discharge from the Authority's sewage treatment works at DINGESTOW

(National Grid Reference SO 4589 1005).

1. The effluent derives from domestic sewage from a population of 225 or less and contains no authorised trade waste.
2. There are no potable water supply intakes downstream which are likely to be adversely affected.
3. As far as is reasonably practicable, the works shall be operated so as to prevent:
  - i any matter being present in the effluent which will cause the receiving water to be poisonous or injurious to fish or to their spawn or spawning grounds or food or otherwise cause damage to the ecology of the receiving waters; and
  - ii the treated effluent from having any adverse visual and other environmental impact.
4. The authority will operate the works having regard so far as is relevant, to the guidance set out in the National Water Council's Occasional Technical Paper Number 4, "The Operation and Maintenance of Small Sewage Works" dated January 1980. In particular the works shall be maintained properly such that:
  - a. it remains fully operational except at times of mechanical or electrical breakdown;
  - b. any such breakdowns shall be attended to promptly and the equipment returned to normal operation as soon as possible; and
  - c. tanks shall be desludged at sufficient frequency and in such a manner as to prevent problems with septic sludge, rising sludge for excessive carryover of suspended solids.

Signed P. J. Stockdale  
(Name) Mr. P. J. Stockdale  
Divisional Operations Manager

Signed N. C. Humphrey  
(Name) Dr. N. C. Humphrey  
District Scientist

Dated this Twenty-first  
Day of November 1988

WELSH WATER AUTHORITY				Welsh Office Form COPA4		Welsh Off Ref								
SUPPORTING INFORMATION FOR CONSENT/REVIEW - WWA Form SS.SI.1						Welsh W A Ref		AS 1000701						
DISCHARGER +Agent	WELSH WATER AUTHORITY						WWA District		/					
PREMISES / SOURCE Address/Location	DINGESTOW SEWAGE TREATMENT WORKS													
DISCHARGE TYPE	Fully Treated Sewage													
DISCHARGE STATUS	New reqg Consent	Exg reqg Review	<input checked="" type="checkbox"/> Exg reqg Consent	Prevly Exempt	Temply until									
CONSENT / REVIEW EXISTING - issued	To: Welsh Water Authority			By: Welsh Office			Date: 30.1.85							
ADVERTISEMENT ?	Yes/No because: Application for Descriptive Consent													
OUTLET DETAILS	<del>New</del> <del>At</del> <del>terred</del> / Exg	OS Ref	SO 4589 1005		Diam	150 mm	Form	Glazed Pipe						
SAMPLING POINT	TDIB SPT	51203	OS Ref	SO 4589 1005		Outlet / As above								
DISCHARGE IS TO	Inland Stream	<input checked="" type="checkbox"/>	Landl.Pond	<input type="checkbox"/>	Onto Land	<input type="checkbox"/>	Into Land	<input type="checkbox"/>	Groundwtr	<input type="checkbox"/>	Estuary	<input type="checkbox"/>	Coastal	<input type="checkbox"/>
RECEIVING WATER	Immediate / <del>Main</del>		River Trothy / kms >											
Water in current RQO Programme ?	Data for :	Current Situath		Short-term RQO			Long-term RQO			TDIB SPT Refs				
	Assessed by :	NWC	Biol	NWC	Biol	by	NWC	Biol	by	Up / Down				
Immed. Yes / <del>No</del>	Immed. Up / Down	1B / 1B	/	1B / 1B	/	19	1B / 1B	/	19	50108 / 50110				
Main Yes / No	Main Up / Down	/	/	/	/	19	/	/	19	/				
USE(S) OF THE RECEIVING WATER, whether surface or groundwater	Exg / Future Use(s)	PotWS	IndWS	AgrWS	Stock	SalFish	CrsFish	WSports	VisAmen	Other				
	Of Immed R.W. @ km	-	-	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-	<input checked="" type="checkbox"/>	-				
	Of Main R.W. @ km													
	Effect of discharge on uses, etc.	NIL												
EFFLUENT QUALITY DATA - derived from: 41 samples taken from: 10.1.85 to : 20.6.88 (mg/l except pH)	Determinand	BOD <sub>5</sub> ATU	Suspended Solids	Ammonia										
	Maximum	162.5	217	32										
	Minimum	5.4	8	1.4										
	Mean	34.7	58.6	8.8										
	Standard Deviation	34.4	40.5	6.3										
	<del>Median</del> 50%ile	34.7	58.6	8.8										
	95%ile: <del>XN</del> / LN <del>XN</del>	95.3	151.3	20.7										
QUALITY LIMITS (mg/l except pH) S/W if seasonal 1/2 if phased	Existing	150	150	50										
	Proposed 95%ile													
	Proposed Maximum													
	Application	Descriptive Consent												
CALCULATION MODE	To Quality Spec'n	5	mean 80	0.78										
	Method used	Warn Brew and Sensitivity Analysis												
EFFLUENT FLOW DATA	P Popul'n No.	G Consum'n m³/h/d	PG Sewage m³/d	I Infilt'n m³/d	E Trade m³/d	PG+I+E DWF m³/d	Storm Sewage O'flow Weir Setting x DWF l/sec		Maximum Rate l/sec	Maximum Daily Vo m³/d				
Existing Design	170	0.16	27.3	not known	Nil	27.3			0.95	82				
<del>Max</del> / Est'd Current	225	0.16	36	not known	Nil	36			1.25	108				
Proposed Design														
Ultimate Design														
Design Horizons: Proposed: _____ Ultimate: _____	Sewerage system is		Flow values for		Existing	27.3			0.95	82				
	Nil % combined		Consent Conditions		Proposed	36			1.25	108				

SUPPORTING INFORMATION FOR A CONSENT / REVIEW (CONTINUED) Form SS.SI.1						Welsh Off Ref			
Relating to: Dingestow S.T.W.						Welsh W A Ref		AS 1000701	
<b>RIVER AND EFFLUENT FLOWS AND DILUTIONS</b>			Flows in Immediate Receiving Water			Flows in Main Receiving Water			
Flows in m <sup>3</sup> /d. If estimated, give method:			Meas / Estd at OSGR: SO 4595 1040			Meas / Estd at OSGR:			
River: gauged flows.			Minimum			5%ile		Mean	
Effluent: pop. estimate						6912.0		33696.0	
Effluent Statistic	Source of Data	Effluent Volume	Dilution Ratios - expressed as x River : 1 Effluent						
D.W.F.	Meas / Estd	36			192	936			
Maximum	Meas / Estd	108			64	312			
<b>RIVER REGIME</b>	Width, Depth & Reaeration		W	m	D	m	R	3	
<b>TREATMENT PLANT UNITS - with Critical Dimensions</b>					Primary Sett.	Area m <sup>2</sup>	19.5		
Unit	Detail	Existing	Proposed	Ultimate	Storm Tanks	Area m <sup>2</sup>	-		
Storm S. Overflow	Set @ 1/s	-			" "	Volume m <sup>3</sup>	-		
Screens	Space mm	-			Septic Tank	Volume m <sup>3</sup>	-		
Well Retent'n	Hours	-			Biol. Filters	Media m <sup>3</sup>	23.5		
Pumping Rate	Max. 1/s	not known			Act'd. Sludge #	Volume m <sup>3</sup>	-		
Gravity Feed	Yes / No	No			Package Plant*	Surface m <sup>2</sup>	-		
Flow Meas't.*	Yes / No	No			Pasveer Ditch#	Volume m <sup>3</sup>	-		
Grit Removal	Yes / No	No			Final Sett't.	Area m <sup>2</sup>	8		
Macern/Comm'n.	Yes / No	No			Tert'y Treat.*	Area m <sup>2</sup>	-		
Other Units and Details	* Type # Power	N/A							
<b>SLUDGE TREAT. AND DISPOSAL</b>	Sludge tankered away for subsequent injection to land								
<b>TRADE WASTES</b> Types & m <sup>3</sup> /d	NIL								
<b>FURTHER DATA &amp; STATEMENT</b> From Dist/Div. Additional conditions Nearby efflts and changes EC Dangerous Substances EC Designated Waters SSSIs (Continue on Form SS.SI.2 if necessary)	<p>Dingestow S.T.W. receives pumped domestic effluent along a short main which has no overflow and which is a separate system. Fully treated sewage effluent discharges to the Trothy where dilution is in the order of 190:1 under dry weather conditions.</p> <p>The application seeks to discharge effluent subject to a descriptive consent.</p>								
<b>CAPITAL WORKS</b>	Outline Appra		Second Appra		Final Appra		Start		Finish
District Ref			District Contact	A.T. Davies (Hereford)			HQWQS Ref		
For use by: HQ WATER QUALITY SECTION									
For use by: WELSH OFFICE									