

VARIATION OF CONSENT TO DISCHARGE**ENVIRONMENT AGENCY****WATER RESOURCES ACT 1991****(AS AMENDED BY THE ENVIRONMENT ACT 1995)**

TO: South West Water Limited
Peninsula House
Rydon Lane
Exeter
Devon
EX2 7HR

South West Water Limited has made applications to vary the Dry Weather Flow limits for the discharges listed in the attached Schedule.

The Environment Agency, exercising its powers under paragraph 10 of Schedule 10 to the Water Resources Act 1991, hereby varies the discharge consent conditions for the discharge consents listed in the attached Schedule by replacing the numeric Dry Weather Flow limits specified in column 3 with the Dry Weather Flow limits specified in column 4.

Subject to the provisions of paragraphs 7 and 8 of Schedule 10 to the Water Resources Act 1991 (as amended), no notice shall be served by the Environment Agency altering the effect of this variation without the agreement of the Consent Holder during a period of 4 years from the date this variation is issued.


Signed

Team Leader National Permitting Service

Schedule - List of consents

Discharge Consent Reference Number	Site Name	Column 3 Existing Dry Weather Flow limit m³/d	Column 4 New Dry Weather Flow limit m³/d
CRA 25	Altarnun	n/a	94
NRA-SW-3983	Ashprington	97	181
SWWA 880	Beals Mill	65	169
NRA-SW-3790	Bere Alston	520	675
SWWA 683	Bradninch	359	404
NRA-SW-3794	Bridestowe	70	147
NRA-SW-0406	Bridgerule	73	79
202009	Buckland	17,711	21,818
303508	Callington	2,000	2,225
15/49/281/P/16	Camelford	263	338
NRA-SW-6984	Chudleigh	650	812
DRA 159	Chulmleigh	136	341
003174	Exmouth	9,186	11,825
302530	Fowey	1,185	1,843
303233	Golant	66	99
200927	Halberton	180	208
002027	Halwill	70	147
NRA-SW-5295	Harberton	92	150
NRA-SW-0007	Hatt	100	143
NRA-SW-0782	Hayle	n/a	19,704

Schedule - List of consents Cont'd..

Discharge Consent Reference Number	Site Name	Column 3 Existing Dry Weather Flow limit m³/d	Column 4 New Dry Weather Flow limit m³/d
202413	Holbeton	56	117
SWWA 2258	Horrabridge	426	945
203299	Ivybridge	1,805	2,961
203413	Kingston	150	203
15/48/174/P/1	Lerryn	80	115
DRA 1349	Loddiswell	104	197
300914	Looe	2,125	3,076
203577	Lower Clovelly	82	156
033125	Lutton	165	211
NRA-SW-4999	Metherell	86	161
203312	Middle Marwood	220	283
NRA-SW-3402	Milton Abbot	60	98
003126	Morchard Bishop	110	144
NRA-SW-0005	North Tawton	320	417
NRA-SW-6627	Parkham	67	88
NRA-SW-0411	Parracombe	60	94
SWWA 2498	Payhembury	72	132
303347	Plymouth Central	22,554	30,154
201064	Princetown	623	1,023
DRA 308	Rewe & Stoke Canon	380	429

Schedule - List of consents Cont'd..

Discharge Consent Reference Number	Site Name	Column 3 Existing Dry Weather Flow limit m³/d	Column 4 New Dry Weather Flow limit m³/d
NRA-SW-3657	Sampford Courtenay	72	95
202563	Seaton South (Devon)	2,300	2,493
15/48/24/P/4	St Buryan	100	111
302956	St Cleer	544	753
303084	St Germans	174	196
15/48/231/P/19	St Keverne	120	250
202541	Starcross (Kenton and Starcross)	614	1,750
203249	Tatworth	600	937
301918	Tavistock	3,384	3,767
DRA 1355	Thorverton	207	309
200976	Torbay	36,634	42,396
CRA 172	Tregony	120	180
SWWA 6	Uffculme	536.3	564
NRA-SW-6742	Veryan	100	107
NRA-SW-2877	Wilmington	71	101
NRA-SW-6626	Yeoford	421	493

CONSENT NO. [REDACTED]

WATER RESOURCES ACT 1991

SECTION 88 - SCHEDULE 10

(AS AMENDED BY THE ENVIRONMENT ACT 1995)

NOTICE OF MODIFICATION OF CONSENT TO DISCHARGE

TO: South West Water Ltd ("the Consent Holder")
Peninsula House
Rydon Lane
Exeter
Devon
EX2 7HR

Following a review of the conditions of its consent, the **ENVIRONMENT AGENCY** ("The Agency") exercising its powers under paragraph 7(2)(b) of schedule 10 to the Water Resources Act 1991, **HEREBY MODIFIES ITS CONSENT** for making a discharge **OF:**
Ultra Violet Disinfected Sewage

with respect to Consent No. [REDACTED] **issued on the** [REDACTED] **and**
modified/varied on the [REDACTED]

FROM: Exmouth (Maer Lane) Sewage Treatment Works

AT: Maer Lane, Exmouth, Devon

TO: Lyme Bay

FROM NOW ON the consent is modified as follows:

A. Substitution of condition 1. with the following new condition:

Works Operation

1. The works shall be operated and the effluent shall be treated in a manner which, so far as reasonably practicable, minimises the polluting effects of the Discharge made from the works on controlled waters
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 15, 16, 17, 18 and 19 than is required by those conditions;
 - b. any alteration of the works or a change in the type of treatment used.

And

B. Substitution of condition 2. with the following new condition:

Substantial Change

2. 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.
- a. A discharge of trade effluent into the works is new if:
 - i. it is made by the sewerage undertaker and is of a kind not made into the works by the undertaker immediately before the date of effect of this consent; or
 - ii. it is made by a third party and the discharge is authorised on or after that date.
 - b. A discharge of trade effluent into the works is altered if:
 - i. it is made by the sewerage undertaker and its composition or quantity changes significantly on or after the date of effect of this consent; or
 - ii. it is made by a third party and the alteration of the discharge is authorised on or after that date.
 - c. 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 15, 16, 17, 18 and 19 of this consent but it may be significant if it is caused by a change in some other characteristic of the Discharge.
 - d. For the purposes of this condition, "trade effluent" means:
 - i. any discharge by the sewerage undertaker other than surface water run-off or domestic sewage from premises connected directly or indirectly to the works,
 - ii. any discharge by a third party which is authorised under Chapter III of Part IV of the Water Industry Act 1991 or which is only accepted as a result of a contract with the sewerage undertaker.

And

C. Deletion of condition 17.

D. Addition of the following new condition 17.

17. The Discharge shall not contain more than 10 milligrammes per litre of total aluminium.

E. Addition of the following new conditions:

Operational Surveillance Condition

34. The Consent Holder shall devise and implement documented procedures for the purpose and effect of maintaining awareness of the presence of dangerous substances in;
- a. trade effluent into the collecting / sewerage system served by the works, and;
 - b. matter received directly at the works from trade premises
- and shall make and maintain records of the application of such procedures, which shall be open to inspection by the Agency on reasonable notice.

The Dangerous Substances List I Condition

35. The concentration of a List I Substance (as defined in the Dangerous Substances Directive 76/464/EEC) in the Discharge shall not exceed that specified for that substance in the "List 1 General Standards" table attached to this notice.

The Dangerous Substance List II Condition

36. The Discharge shall not contain a concentration of any List II Substance (as defined in the Dangerous Substances Directive 76/464/EEC) such as to cause any of the relevant Environmental Quality Standards set out in DoE Circular 007/89, SI 1997 No2560 and SI 1998 No389, to be exceeded in the receiving water.

Investigate and Monitor Condition

37. If the Agency has reasonable grounds to believe that concentrations of any dangerous substance (as defined in the Dangerous Substances Directive 76/464/EEC) in the discharge have increased, or may increase, such that there is a risk of causing pollution in the receiving water then on the written request of the Agency, the Consent Holder shall as soon as practicable investigate and provide a written assessment of the source and the concentration or quantity within the discharge of the specified substance(s).

Chemical Dosing Condition

- 38.
- a. Subject to paragraph c. below, the chemical dosing material employed shall be of an polyaluminium salt formulation as notified to the Environment Agency in writing prior to use.
 - b. The chemical dosing material shall at all times conform to the British Standards specification(s) relating to potable products or other equivalent specification as agreed in writing with the Environment Agency prior to use. Copies of the documentation of the quality assurance system shall be made available for inspection by officers of the Environment Agency at all reasonable times.
 - c. The chemical formulation of the chemical dosing material shall not be changed without the prior written agreement of the Environment Agency and such agreement shall only given if the Environment Agency considers that the relevant chemical formulation is unlikely to have an appreciable effect on controlled waters in the locality of the discharge.

And

F. Addition of the 'List I General Standards' table attached to this notice.

NOTE. All other conditions of this consent remain unaltered and in force. This modification of consent should be read in conjunction with, and attached to Consent No 003174/FU/02 .

Under 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.

November 2009

List I General Standards

List I General Standards		
	Substance	Limit Total Concentration (ug/l)
1.	Aldrin	0.02
2.	Dieldrin	0.02
3.	Endrin	0.01
4.	Isodrin	0.01
5.	Cadmium	10.0
6.	Carbon tetrachloride	24.0
7.	Chloroform	24.0
8.	DDT (all isomers)	0.05
9.	para-para-DDT	0.02
10.	Hexachlorobenzene	0.06
11.	Hexachlorobutadiene	0.2
12.	Hexachlorocyclohexane	0.2
13.	Mercury	2.0
14.	Pentachlorophenol	4.0
15.	Trichlorobenzene	0.8
16.	1,2-Dichloroethane	20.0
17.	Trichloroethylene	20.0
18.	Tetrachloroethylene	20.0

CONSENT NO. List 1	Mod Notice October 2008
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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: South West Water Ltd ("the Consent Holder")
Peninsula House
Rydon Lane
Exeter
EX2 7HR

Following a review of the conditions of its consent, the **ENVIRONMENT AGENCY** ("the Agency") exercising its powers under paragraph 7(2)(b) of Schedule 10 to the Water Resources Act 1991, **HEREBY MODIFIES ITS CONSENT** for making a discharge(s) **OF:** Treated Sewage Effluent

with respect to the attached list of consents, (List 1)

FROM the date upon which this modification takes effect, each of the consents in the attached List 1 is modified as follows:

A. Addition of the following new conditions OSM 1 – OSM 13 and Annexes OSM1and LUT1 as specified in this notice of modification

NOTE. All other conditions of the consents in List 1 remain unaltered and in force. This notice of modification should be read in conjunction with, and attached to each consent as specified in the attached list of consents or schedules to consents.

Where a discharge is regulated by a schedule to a consent, then the wording in these conditions shall be taken as referring to that schedule in place of the term 'consent'.

Under 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.

OSM Modification Notice

This modification is served on 14th day of October 2008

This modification takes effect on the 1st day of April 2009 or a later date agreed in

New conditions added: Operator Self Monitoring (OSM) conditions

OSM Monitoring programme

- OSM 1 The Consent Holder shall, unless otherwise agreed in writing by the Agency, undertake a monitoring programme for the parameters specified by this consent which control the effluent quality by numeric limits, at not less than the frequencies specified in Annex OSM 1 to this permit.
This does not include List 1 substances included within a consent in the General Standards Table.
- OSM 2 The monitoring programme referred to in condition OSM1 shall:
- (a) cover a calendar year, and
 - (b) be recorded and referred to in a Quality Management System before the commencement of a calendar year sample period.

QMS and MCERTS

- OSM 3 The Consent Holder shall have an appropriate Quality Management System covering Operator Self Monitoring.
- OSM 4 The Consent Holder shall ensure that appropriate actions and activities carried out to fulfil the requirements of condition OSM1 are recorded.
- OSM 5 Any sampling or analysis carried out to fulfil the requirements of condition OSM 1 shall be managed and operated by the Consent Holder or its appointed organisation or organisations in accordance with ISO 17025 for the MCERTS Performance Standard for Organisations Undertaking Sampling and Chemical Testing of Water (Part1) to the reasonable satisfaction of the Agency.
- OSM 6 (a) For the period up to 1 July 2010, any organisation undertaking sampling and analysis to fulfil the requirements of condition OSM1 shall have applied for accreditation to ISO 17025 for the MCERTS Performance Standard for Organisations Undertaking Sampling

OSM Modification Notice

and Chemical Testing of Water (Part1), unless otherwise agreed in writing by the Agency, and

- (b) From 1 July 2010, any organisation undertaking sampling and analysis to fulfil the requirements of condition OSM1 shall have gained accreditation to ISO 17025 for the MCERTS Performance Standard for Organisations Undertaking Sampling and Chemical Testing of Water (Part1), unless otherwise agreed in writing by the Agency.

OSM7 The Consent Holder shall ensure that all required records of compliance and accreditation with ISO 17025 for the MCERTS Performance Standard for Organisations Undertaking Sampling and Chemical Testing of Water (Part 1) are maintained.

Records

OSM 8 All records required to be made by this consent shall:

- (a) be legible, and
- (b) be made as soon as reasonably practicable, and
- (c) if amended, be amended in such a way that the original and any subsequent amendments remain legible, or are capable of retrieval and
- (d) be retained, unless otherwise agreed in writing by the Agency, for at least 6 years from the date when the records were made, and
- (e) where the records have been requested in writing by the Agency, copies shall be supplied to the Agency within 14 days, unless otherwise agreed in writing by the Agency,

Reporting routine analysis

OSM 9 The analytical results from the monitoring programme required by condition OSM 1 must be supplied to the Agency in an electronic format defined by the Agency, as soon as is reasonably practical for each result, and at least on a quarterly basis.

Reporting exceedances

| OSM 10 When the Consent Holder becomes aware that a sample result has exceeded a numeric water quality limit specified within this Consent, (including those covered by the Look-up Table) the Consent Holder shall, unless prior agreement has been given in writing by the Agency, notify the Agency as soon as is reasonably practicable by a reporting system and format specified by the Agency.

OSM 11 When the Consent Holder becomes aware that the Discharge is not compliant with the Look-up Table (as set out in Annex LUT1) for a numeric water quality limit specified within this Consent, the Consent Holder shall, unless prior agreement has been given in writing by the

OSM Modification Notice

Agency, notify the Agency as soon as is reasonably practicable by a reporting system and format specified by the Agency.

Reporting sample missed or lost

OSM 12 After becoming aware, or following notification that, a sample has not been taken on the Monitoring Programme pre-scheduled date, or is lost, or a result for that sample can not be reported, the Consent Holder shall record the details and reschedule the sample.

Annual monitoring summary compliance report

OSM 13 A summary report :

- (a) of compliance with the monitoring programme referred to in condition OSM1 shall be made for each calendar year, and
- (b) shall be submitted to the Agency within two months following the end of the year and shall have the data summarised and shall be in the format required by the Agency.

Annex OSM1 – Opra Tier 3 Sampling Frequency

Determinand	Normal frequency` of samples per year	Reduced Sampling frequency after 12 consecutive months of numeric consent compliance, samples per year or pro rata over the remainder of a year	On consent failure return to Normal frequency as soon as reasonably practicable, samples per 12 months	Out of hours samples
Sanitary	24	12	24	For 24 samples 2 out of hours samples per annum
Non sanitary	12	12	12	For 12 samples 1 out of hours sample per annum

Annex OSM1 relates to spot samples which must be collected at approximately equal intervals during the year, but should include samples from different days of the week and different times. Approximately 10% of samples should be outside of the normal sampling window which is 9am - 3pm, Monday to Friday.

Annex LUT 1

Look-up table	
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

List 1 - List of Consents

Consent Number	Discharge name	Receiving water name
NRA-SW-3983	ASHPRINGTON STW	RIVER HARBOURNE
NRA-SW-6738	ASHWATER STW	RIVER CAREY
201967	AVETON GIFFORD STW	AVON RIVER ESTUARY
DRA 1559	AXMINSTER (KILMINGTON) STW	RIVER AXE
NRA-SW-3580	AYLESBEARE STW	AYLESBEARE BROOK
002491/FU/01	BARNSTAPLE (ASHFORD) STW	RIVER TAW ESTUARY
200355/FN/01	BEAFORD WASTE WTW	BEAFORD BROOK
NRA-SW-3790	BERE ALSTON STW	TIDAL RIVER TAMAR

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NRA-SW-6739	BERE FERRERS STW	RIVER TAVY
NRA-SW-6747	BISHOPS NYMPTON STW	CROOKED OAK STREAM
200364/FN/01	BLACK TORRINGTON STW	RIVER TORRIDGE
NRA-SW-7828	BLACKWATER STW	RIVER CARNON
NRA-SW-6959	BODMIN (NANSTALLON) STW	RIVER CAMEL
NRA-SW-4018	BODMIN (SCARLETTS WELL) STW	RIVER CAMEL
003101/FN/01	BRANSCOMBE STW	BRANSCOMBE STREAM
NRA-SW-3794	BRIDESTOW STW	RIVER LEW
NRA-SW-0406	BRIDGERULE STW	RIVER TAMAR
302993	BRIXTON STW	BROAD OOZE, YEALM ESTUARY
200357/FN/01	BROADHEMPSTON STW	RIVER HEIMS
NRA-SW-4946	BROADWINDSOR STW	TRIB TO DRIMPTON STREAM
203020	BRUSHFORD STW	RIVER BARLE
NRA-SW-5002	BUCKFASTLEIGH STW	RIVER DART
301299	BUDE SEWAGE TREATMENT WORKS	ATLANTIC OCEAN
NRA-SW-3474	BURLESCOMBE & WESTLEIGH STW	RIVER LYNHER
303508	CALLINGTON (NEW) STW	HAYE VALLEY STREAM
303087	CALSTOCK STW	RIVER TAMAR ESTUARY
300705	CAMBORNE STW	ATLANTIC OCEAN
15/49/281/P/16	CAMELFORD STW	RIVER CAMEL
303085	CARGREEN STW	RIVER TAMAR ESTUARY
NRA-SW-7825	CARNON DOWNS STW	RIVER CARNON
NRA-SW-3838	CHAWLEIGH STW	LITTLE DART RIVER
NRA-SW-3560	CHERITON BISHOP STW	FORD BROOK
202985	CHERITON FITZPAINE STW	TRIB OF HOLLY WATER
SWWA 2174	CHILLATON STW	QUITHER BROOK
203442	CHILLINGTON & FROGMORE STW	CHILLINGTON STREAM
NRA-SW-6748	CHITTLEHAMHOLT STW	TRIB OF CLAYTON STREAM
NRA-SW-7809	CHITTLEHAMPTON STW	TRIB OF HAWKBRIDGE BROOK
NRA-SW-6620	CHRISTOW STW	RIVER TEIGN
NRA-SW-6984	CHUDLEIGH SEWAGE TREATMENT WORKS	RIVER TEIGN
002728/FN/01	CHURCHINFORD STW	RIVER OTTER
203474	CLAPTON STW	RIVER AXE
002673	COMBE MARTIN SEWAGE TREATMENT WORKS	BRISTOL CHANNEL
302487	CONSTANTINE STW	LESTRAINES RIVER
202669	CORNBOROUGH STW	BIDEFORD BAY
200926	CORNWORTHY STW	TRIB OF BOW CREEK
NRA-SW-0215	CREDITON STW	RIVER YEO/RIVER CREEDY
201127	CROYDE SEWAGE TREATMENT WORKS	CROYDE BAY
DRA 936	CULLOMPTON STW	RIVER CULM
NRA-SW-3570	CULMSTOCK SEWAGE TREATMENT WORKS	RIVER CULM
202394	DARTMOUTH STW	DART ESTUARY
200819	DAWLISH SEWAGE TREATMENT WORKS	LYME BAY
NRA-SW-4934	DELABOLE STW	TRIB OF RIVER ALLEN
NRA-SW-7808	DENBURY STW	HALWELL STREAM

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202711	DITTISHAM STW	RIVER DART ESTUARY
203161	DOLTON SEWAGE TREATMENT WORKS	TRIB OF RIVER TORRIDGE
203109	DUNKESWELL STW	RIVER MADFORD
SWWA 852	EAST ALLINGTON STW	FALLAPIT STREAM
NRA-SW-0222	ERMINGTON STW	RIVER ERME
301142	ERNESETTLE SEWAGE TREATMENT WORKS	RIVER TAMAR
200365/FN/01	EXBOURNE STW	HOLE BROOK
202475	EXETER (COUNTRESS WEAR) STW	RIVER EXE ESTUARY
NRA-SW-3495	EXFORD STW	RIVER EXE
003174/FU/02	EXMOUTH SEWAGE TREATMENT WORKS	LYME BAY
302642	FALMOUTH SEWAGE TREATMENT WORKS	CARRICK ROADS
NRA-SW-3706	FENITON STW	RIVER OTTER
SWWA 944	FLUXTON STW	RIVER OTTER
302530	FOWEY SEWAGE TREATMENT WORKS	FOWEY ESTUARY
NRA-SW-5666	FRADDON STW	TRIB OF RIVER GANNEL
202412	GALMPTON (HOPE COVE) STW	BIGBURY BAY
200356/FN/01	GOODLEIGH STW	GOODLEIGH STREAM
NRA-SW-3701	GOONHAVERN STW	BOLINGEY STREAM
300118/FU/01	GORRANHAVEN STW	ENGLISH CHANNEL
SWWA 2214	GRATTON STW	RIVER MEAVY
203792	GREAT TORRINGTON STW	RIVER TORRIDGE
200927	HALBERTON STW	TRIB OF HALBERTON STREAM
002027	HALWILL SEWAGE TREATMENT WORKS	RIVER CAREY
NRA-SW-5295	HARBERTON STW	HARBETON STREAM
203562	HARBERTONFORD STW	RIVER HARBOURNE
NRA-SW-0227	HARROWBARROW STW	UNNAMED TRIB RIVER TAMAR
NRA-SW-6967	HARTLAND STW	ABBAY STREAM
SWWA 2412	HAWKCHURCH STW	BLACKWATER RIVER/STREAM
203812	HEATHFIELD STW	RIVER BOVEY
302822	HELSTON STW	RIVER COBER
202474	HEMYOCK STW	RIVER CULM
202413	HOLBETON SEWAGETREATMENT WORKS	RIVER ERME ESTUARY
SWWA 2475	HOLCOMBE ROGUS STW	TRIB OF RIVER LYNER
NRA-SW-6975	HOLSWORTHY (DERRITON) STW	COLES STREAM
NRA-SW-3869	HONITON STW	RIVER OTTER
200403	HORNS CROSS SEWAGE TREATMENT WORKS	TRIBUTARY OF RIVER YEO
SWWA 2258	HORRABRIDGE STW	RIVER WALKHAM
DRA 83	IDEFORD STW	TRIB OF RIVER LEMON
002671/FU/01	ILFRACOMBE STW	BRISTOL CHANNEL
203406	IPPLEPEN & TORBRYAN STW	HALWELL STREAM
203299	IVYBRIDGE STW	RIVER ERME
202372	KENN & KENNIFORD STW	RIVER KENN
202541	KENTON AND STARCROSS STW	EXE ESTUARY
203223	KINGSBRIDGE STW	KINGSBRIDGE ESTUARY
203413	KINGSTON STW	KINGSTON STREAM

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202367	KNOWLE SEWAGE TREATMENT WORKS	TRIB OF RIVER CAEN
302508	LADOCK VALLEY STW	TRESILLIAN RIVER ESTUARY
303086	LANDRAKE STW	RIVER LYNER ESTUARY
NRA-SW-5475	LANNER ST DAY STW	THE HICKS MILL STREAM
NRA-SW-6981	LAUNCESTON (ST LEONARDS) STW	RIVER TAMAR
NRA-SW-0237	LEE MILL STW	UNNAMED TRIB RIVER YEALM
303090	LEWANNICK STW	PENPONT
NRA-SW-6982	LEWDOWN STW	TRIB OF RIVER THRUSHEL
NRA-SW-3789	LISKEARD (LODGE HILL) STW	EAST LOOE RIVER
NRA-SW-3676	LITTLE PETHERICK STW	TRIB OF LITTLE PETHERICK
300914	LOOE STW	TRIB. OF WEST LOOE RIVER
NRA-SW-5293	LOSTWITHIEL STW	TIDAL RIVER FOWEY
NRA-SW-7351	LUSTLEIGH STW	THE WRAY BROOK
033125/FN/01	LUTTON STW	RIVER PIALL
303089	LYDFORD STW	TRIB OF RADDON STREAM
003269/FU/01	LYME REGIS (UPLYME) STW	LYME BAY
202404	LYNMOUTH (MANOR GARDENS) STW	LYNMOUTH BAY
001685/FU/01	MALBOROUGH STW	KINGSBRIDGE ESTUARY
202255	MARSH GREEN SEWAGE TREATMENT WORKS	FORD STREAM
NRA-SW-4999	METHERELL STW	TRIB OF RIVER TAMAR
203312	MIDDLE MARWOOD STW	MIDDLE MARWOOD STREAM
NRA-SW-7829/FN/1	MILLBROOK STW	MILLBROOK CREEK
NRA-SW-3402	MILTON ABBOT STW	TRIB OF RIVER TAMAR
SWWA 2259	MODBURY STW	AYLESTON BROOK
003126/FN/01	MORCHARD BISHOP STW	TRIB. OF PEPPER LAKE
NRA-SW-6964	MORELEIGH STW	TRIB OF TORR BROOK
NRA-SW-3912	MORETONHAMPSTEAD STW	THE WRAY BROOK
NRA-SW-6684	MUSBURY & WHITFORD STW	RIVER AXE
302505	MYLOR BRIDGE STW	TRIB OF MYLOR CREEK
300911	NEWQUAY SEWAGE TREATMENT WORKS	ATLANTIC OCEAN
202009	NEWTON ABBOT (FORDE ROAD) STW	LYME BAY
302043	NEWTON FERRERS STW	NEWTON STREAM
NRA-SW-0247	NEWTON ST CYRES STW	RIVER CREEDY
302298	NORTH FAL STW (ST STEPHENS COOMBE)	GWINDRA STREAM
NRA-SW-6621	NORTH HILL STW	RIVER LYNHER
SWWA 206	NORTH MOLTON STW	RIVER MOLE
NRA-SW-3765	NORTH PETHERWIN STW	RIVER OTTERY
NRA-SW-0005	NORTH TAWTON STW	RIVER TAW
200413	NORTHLEW SEWAGE TREATMENT WORKS	NORTHLEW STRM AND TRIBUTARY
200366/FN/02	OFFWELL SEWAGE TREATMENT WORKS	OFFWELL BROOK
202463	OKEHAMPTON STW	RIVER OKEMENT
202411	OTTERTON SEWAGE TREATMENT WORKS	LYME BAY
DRA 96	OTTERY ST MARY	RIVER OTTER
031299/FN/01	PAR SEWAGE TREATMENT WORKS	ST AUSTELL BAY

OSM Modification Notice

NRA-SW-6627	PARKHAM STW	RIVER YEO
NRA-SW-0411	PARRACOMBE STW	RIVER HEDDON
SWWA 2498	PAYHEMBURY STW	PAYHEMBURY STREAM
NRA-SW-4009	PELYNT STW	UNNAMED TRIB TO POLPERRO RIVER
303049	PERRANPORTH STW	ATLANTIC OCEAN
201033	PETROCKSTOWE STW	TRIB OF LITTLE MERE RIVER
NRA-SW-6741	PILLATON STW	RIVER LYNHER
303000	PLYMOUTH (CAMELS HEAD) STW	WESTON MILL LAKE
301935	PLYMOUTH (RADFORD) STW	TIDAL HOOE LAKE
303347	PLYMOUTH CENTRAL STW	PLYMOUTH SOUND/PLYM ESTUARY
NRA-SW-6977	PLYMPTON (MARSH MILLS) STW	TIDAL RIVER PLYM
NRA-SW-3743	PLYMTREE STW	RIVER WEAVER
300827/FN/01	PONSANOOTH STW	RIVER KENNAL
300968	PORTHALLOW SEWAGE TREATMENT WORKS	PORTHALLOW STREAM
034544	PORTHILLY SEWAGE TREATMENT WORKS	CAMEL ESTUARY
032993/FU/01	PORTHLEVEN STW (TREGUEW FARM)	ENGLISH CHANNEL
302457	PORTHTOWAN STW	PORTHTOWAN STREAM
NRA-SW-7821	PRAZE AN BEEBLE STW	PRAZE RIVER
201064	PRINCETOWN SEWAGE TREATMENT WORKS	BLACKBROOK RIVER
302417	PYWORTHY SEWAGE TREATMENT WORKS	DERRIL WATER
NRA-SW-6622	RILLA MILL STW	RIVER LYNHER
NRA-SW-3657	SAMPFORD COURTNEY STW	TRIBUTARY TO THE HOLE BROOK
300594/FU/01	SEATON & DOWNDERRY STW	RIVER SEATON
202563	SEATON STW	RIVER AXE ESTUARY
NRA-SW-3849	SHEBBEAR STW	RIVER TORRIDGE
200834	SIDMOUTH SEWAGE TREATMENT WKS	LYME BAY
NRA-SW-7827	SOURTON DOWN STW	RIVER LEW
NRA-SW-6082	SOUTH MILTON STW	SOUTH MILTON STREAM
NRA-SW-5654	SOUTH MOLTON STW	THE RIVER MOLE
203380	SPREYTON STW	COOMBE STREAM
303394	ST AGNES STW	ATLANTIC OCEAN
031294	ST AUSTELL MENAGWINS STW	ST AUSTELL RIVER
SWWA 146	ST AUSTELL NORTH STW	RIVER PAR
NRA-SW-6746	ST BREWARD STW	RIVER CAMEL
302956	ST CLEER STW	TREMAR STREAM
303683	ST COLUMB STW	RIVER MENAHL
NRA-SW-3885	ST DENNIS STW	RIVER FAL
SWWA 200	ST GENNYS STW	TRIB OF CRACKINGTON STREAM
NRA-SW-0414	ST MABYN STW	RIVER ALLEN
302506	ST MAWES STW	CARRICK ROADS
302488	ST MELLION SEWAGE TREATMENT WORKS	TRIB OF DEANS BROOK
NRA-SW-3673	ST NEOT STW	ST NEOT RIVER
NRA-SW-6625	ST NEWLYN EAST STW	RIVER GANNEL
NRA-SW-0257	STAVERTON STW	RIVER DART

OSM Modification Notice

300394/FN/02	STIBB SEWAGE TREATMENT WORKS	TRIB OF COOMBE VALLEY STREAM
NRA-SW-6743	STOKE CLIMSLAND STW	LUCKETT STREAM
302908	STOKE HILL(CRAPSTONE) STW	MILTON STREAM
203249	TATWORTH STW	FORTON BROOK
301918	TAVISTOCK STW	RIVER TAVY
203478	TEDBURN ST MARY STW	LILLY BROOK
NRA-SW-6737	TEIGN VILLAGE STW	RIVER TEIGN
NRA-SW-3897	THORNCOMBE STW	RIVER SYNDERFORD
201437	TIVERTON STW	RIVER EXE
200976	TORBAY (BROKENBURY QUARRY) STW	ENGLISH CHANNEL
SWWA 179	TORPOINT STW	ST JOHNS LAKE (TAMAR ESTUARY)
203080	TOTNES STW	DART ESTUARY
NRA-SW-5049	TREBULLETT STW	RIVER INNY
302998	TRECERUS SEWAGE TREATMENT WORKS	POLVENTON BAY
CRA 1	TREKNOW STW	TREBARWITH STREAM
302707	TRURO (NEWHAM) STW	TRURO RIVER ESTUARY
NRA-SW-6965	UGBOROUGH STW	TRIB OF LUD BROOK
NRA-SW-6742	VERYAN STW	CARNE STREAM
302997	WADEBRIDGE STW	CAMEL ESTUARY
NRA-SW-6685	WEEK ST MARY STW	WEEK BROOK
032738/FN/02	WEMBURY STW	WEMBURY BAY
203206	WEST CHARLETON STW	CHARLETON STREAM
NRA-SW-0423	WEST DOWN STW	UNNAMED TRIB RIVER CAEN
NRA-SW-2877	WILMINGTON STW	UMBORNE BROOK
203662	WINKLEIGH STW	BULLOW BROOK
203275	WINSFORD STW	RIVER EXE
202848	WOODBURY STW	POLLY BROOK
202081	WOOLACOMBE SEWAGE TREATMENT WORKS	MORTE BAY
NRA-SW-0272	WOOLFARDISWORTHY STW	TRIB CRANFORD WATER
NRA-SW-0273	YARCOMBE STW	TRIB RIVER YARTY
300436/FN/01	YEALMPTON STW	YEALM
NRA-SW-6626	YEOFORD STW	RIVER YEO
NRA-SW-3518	ZEAL MONACHORUM STW	RIVER YEO

ENVIRONMENT AGENCY, NATIONAL PERMITTING SERVICE

NOTICE OF MODIFICATION TO CONSENT

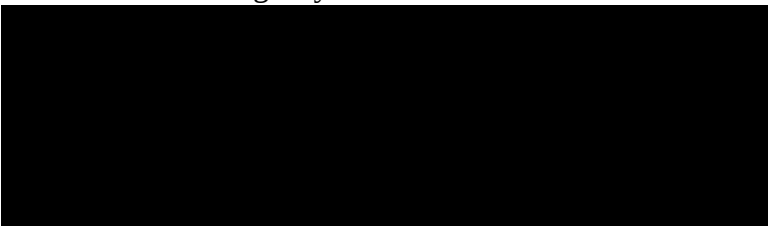
**Water Resources Act 1991 Section 88 and Schedule 10
(As amended by the Environment Act 1995)**

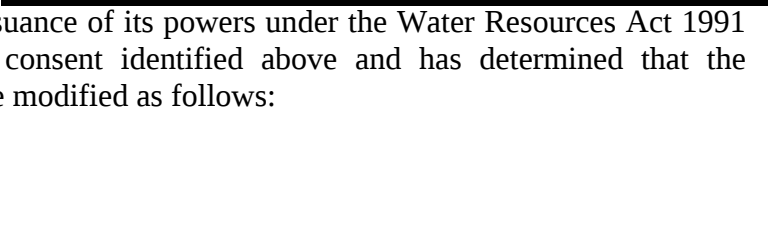
Nature of discharge: Secondary treated sewage effluent disinfected by ultra violet

Site Name: Exmouth (Maer Lane) Sewage Treatment Works

Authorised by consent reference: 

Issued by: Environment Agency

Issued on: 

Modified on: 

The Environment Agency in pursuance of its powers under the Water Resources Act 1991 Schedule 10 has reviewed the consent identified above and has determined that the conditions of that consent shall be modified as follows:

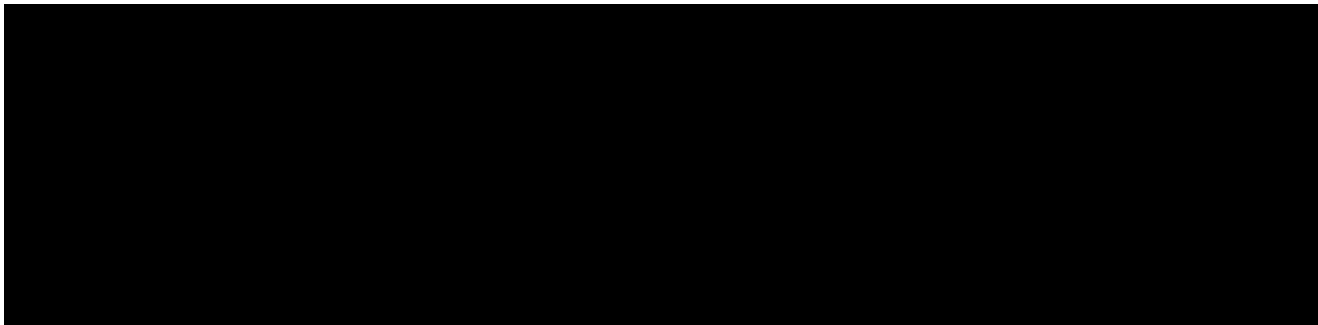
Delete condition 15.a.i

Replace condition 16 with:

16. The Discharge shall not contain more than 250 milligrams per litre of biochemical oxygen demand (measured after 5 days at 20°C with nitrification suppressed by the addition of allyl-thiourea).

If you are not satisfied with the terms of this Modification Notice, you may appeal to the Environment Appeals Team, The Planning Inspectorate, Room 4/04 Kite Wing, Temple Quay House, 2 The Square, Temple Quay, Bristol, BS1 6PN within three months of the date of this notice. A notice of appeal must specify the grounds for appeal. A copy of this notice, relevant correspondence and any other documents related to your appeal should accompany this notice. The notice of appeal should also be copied to Team Leader National Permitting Centre (Water Quality), Environment Agency, Manley House, Kestrel Way, Exeter, EX2 7LQ.

The terms of this notice will not be altered without the consent of the person making the discharge before the expiration of the period ending four years after the receipt of this Notice.



CONSENT NO. [REDACTED]

WATER RESOURCES ACT 1991

SECTION 88 - SCHEDULE 10

(AS AMENDED BY THE ENVIRONMENT ACT 1995)

NOTICE OF MODIFICATION OF CONSENT TO DISCHARGE

TO: South West Water Ltd ("the Consent Holder")
Peninsula House
Rydon Lane
Exeter
Devon
EX2 7HR

Following a review of the conditions of its consent, the **ENVIRONMENT AGENCY** ("The Agency") exercising its powers under paragraph 7(2)(b) of schedule 10 to the Water Resources Act 1991, **HEREBY MODIFIES ITS CONSENT** for making a discharge **OF:**
Ultra Violet Disinfected Sewage

with respect to [REDACTED] issued on [REDACTED]

FROM: Exmouth (Maer Lane) Sewage Treatment Works

AT: Maer Lane, Exmouth, Devon

TO: Lyme Bay

FROM NOW ON the consent is modified as follows:

A. Substitution of condition 1. with the following new condition:

Works Operation

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

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 15, 16, 17, 18 and 19 than is required by those conditions;
- b. any alteration of the works or a change in the type of treatment used.

And

B. Substitution of condition 2. with the following new condition:

Substantial Change

2. 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.
- a. A discharge of trade effluent into the works is new if:
 - i. it is made by the sewerage undertaker and is of a kind not made into the works by the undertaker immediately before the date of effect of this consent; or
 - ii. it is made by a third party and the discharge is authorised on or after that date.
 - b. A discharge of trade effluent into the works is altered if:
 - i. it is made by the sewerage undertaker and its composition or quantity changes significantly on or after the date of effect of this consent; or
 - ii. it is made by a third party and the alteration of the discharge is authorised on or after that date.
 - c. 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 15, 16, 17, 18 and 19 of this consent but it may be significant if it is caused by a change in some other characteristic of the Discharge.
 - d. For the purposes of this condition, "trade effluent" means:
 - i. any discharge by the sewerage undertaker other than surface water run-off or domestic sewage from premises connected directly or indirectly to the works,
 - ii. any discharge by a third party which is authorised under Chapter III of Part IV of the Water Industry Act 1991 or which is only accepted as a result of a contract with the sewerage undertaker.

And

C. Deletion of condition 17.

D. Addition of the following new condition 17.

17. The Discharge shall not contain more than 10 milligrammes per litre of total aluminium.

E. Addition of the following new conditions:

Operational Surveillance Condition

34. The Consent Holder shall devise and implement documented procedures for the purpose and effect of maintaining awareness of the presence of dangerous substances in;
- a. trade effluent into the collecting / sewerage system served by the works, and;
 - b. matter received directly at the works from trade premises
- and shall make and maintain records of the application of such procedures, which shall be open to inspection by the Agency on reasonable notice.

The Dangerous Substances List I Condition

35. The concentration of a List I Substance (as defined in the Dangerous Substances Directive 76/464/EEC) in the Discharge shall not exceed that specified for that substance in the "List 1 General Standards" table attached to this notice.

The Dangerous Substance List II Condition

36. The Discharge shall not contain a concentration of any List II Substance (as defined in the Dangerous Substances Directive 76/464/EEC) such as to cause any of the relevant Environmental Quality Standards set out in DoE Circular 007/89, SI 1997 No2560 and SI 1998 No389, to be exceeded in the receiving water.

Investigate and Monitor Condition

37. If the Agency has reasonable grounds to believe that concentrations of any dangerous substance (as defined in the Dangerous Substances Directive 76/464/EEC) in the discharge have increased, or may increase, such that there is a risk of causing pollution in the receiving water then on the written request of the Agency, the Consent Holder shall as soon as practicable investigate and provide a written assessment of the source and the concentration or quantity within the discharge of the specified substance(s).

Chemical Dosing Condition

- 38.
- a. Subject to paragraph c. below, the chemical dosing material employed shall be of an polyaluminium salt formulation as notified to the Environment Agency in writing prior to use.
 - b. The chemical dosing material shall at all times conform to the British Standards specification(s) relating to potable products or other equivalent specification as agreed in writing with the Environment Agency prior to use. Copies of the documentation of the quality assurance system shall be made available for inspection by officers of the Environment Agency at all reasonable times.
 - c. The chemical formulation of the chemical dosing material shall not be changed without the prior written agreement of the Environment Agency and such agreement shall only given if the Environment Agency considers that the relevant chemical formulation is unlikely to have an appreciable effect on controlled waters in the locality of the discharge.

And

F. Addition of the 'List I General Standards' table attached to this notice.

NOTE. All other conditions of this consent remain unaltered and in force. This modification of consent should be read in conjunction with, and attached to Consent No 003174/FU/02 .

Under 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 consent modification is served and takes effect on the 25th day of November 2009



List I General Standards

List I General Standards		
	Substance	Limit Total Concentration (ug/l)
1.	Aldrin	0.02
2.	Dieldrin	0.02
3.	Endrin	0.01
4.	Isodrin	0.01
5.	Cadmium	10.0
6.	Carbon tetrachloride	24.0
7.	Chloroform	24.0
8.	DDT (all isomers)	0.05
9.	para-para-DDT	0.02
10.	Hexachlorobenzene	0.06
11.	Hexachlorobutadiene	0.2
12.	Hexachlorocyclohexane	0.2
13.	Mercury	2.0
14.	Pentachlorophenol	4.0
15.	Trichlorobenzene	0.8
16.	1,2-Dichloroethane	20.0
17.	Trichloroethylene	20.0
18.	Tetrachloroethylene	20.0

ENVIRONMENT AGENCY, SOUTH WEST REGION

NOTICE OF MODIFICATION TO CONSENT

**Water Resources Act 1991 Section 88 and Schedule 10
(As amended by the Environment Act 1995)**

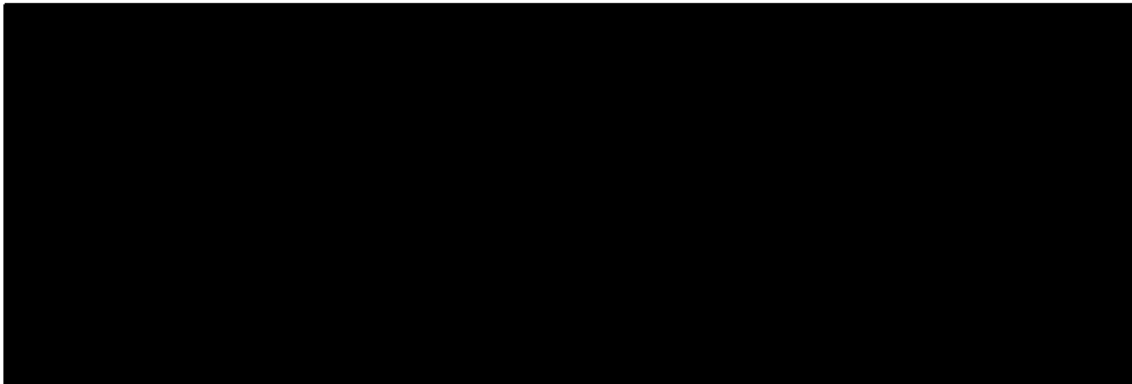
**CONSENT NUMBER [REDACTED]
Exmouth (Maer Lane) STW**

The Environment Agency in pursuance of its powers under the Water Resources Act 1991 Schedule 10 paragraph 7 has reviewed the consent identified above and has determined that the conditions of that consent shall be modified as follows:

In the second line of Condition 7(b) delete "(as required by condition 23) in any period" and substitute "(as required by condition 13) in any period".

If you are not satisfied with the terms of this Modification Notice, you may appeal to the Secretary of State for the Environment, Transport and the Regions, Planning Inspectorate, Room 14/13, Tollgate House, Houlton Street, Bristol BS2 9DJ within three months of the date of this notice. A notice of appeal must specify the grounds for appeal. A copy of this notice, relevant correspondence and any other documents related to your appeal should accompany this notice. The notice of appeal should also be copied to The Regional Water Quality Manager, Environment Agency, Manley House, Kestrel Way, Exeter EX2 7LQ.

The terms of this notice will not be altered without the consent in writing of the person making the discharge before the expiration of the period ending four years after the receipt of this Notice.



**ENVIRONMENT AGENCY
SOUTH WEST REGION**

NOTICE OF MODIFICATION TO CONSENT

Water Resources Act 1991 Section 88 and Schedule 10
(As amended by the Environment Act 1995)

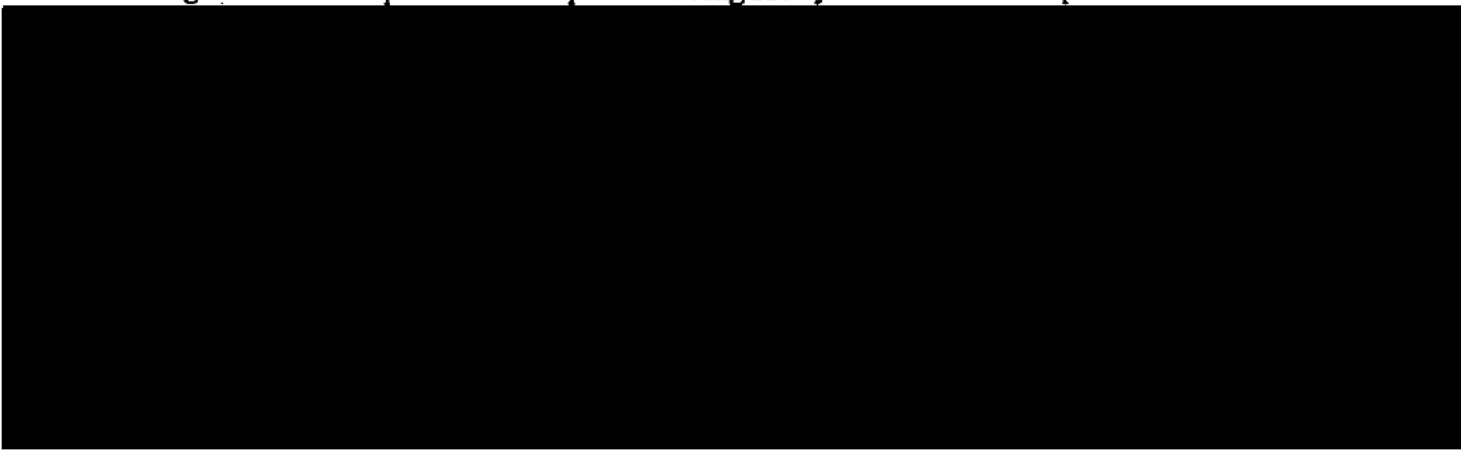
**CONSENT NUMBER [REDACTED]
EXMOUTH (MAER LANE) SEWAGE TREATMENT WORKS**

The above consent, issued on 5 October 1999, shall be modified as follows:

In Paragraph 8.c. the National Grid Reference to be: SY 0397 7919.

If you are not satisfied with the terms of this Modification Notice, you may appeal to the Secretary of State for the Environment, Transport and the Regions, Planning Inspectorate, Room 10/13, Tollgate House, Houlton Street, Bristol BS1 9DJ within three months of the date of this notice. A notice of appeal must specify the grounds for appeal. It should be accompanied by copies of this notice, relevant correspondence and any other document relevant to your appeal. The notice of appeal must also be copied to The Regional Water Quality Manager, Environment Agency, Manley House, Kestrel Way, Exeter EX2 7LQ

The terms of this notice will not be altered without the consent in writing of the person making the discharge before the expiration of the period ending four years after the receipt of this Notice.



ENVIRONMENT AGENCY, NATIONAL PERMITTING SERVICE

NOTICE OF MODIFICATION TO CONSENT

**Water Resources Act 1991 Section 88 and Schedule 10
(As amended by the Environment Act 1995)**

Nature of discharge: Secondary treated sewage effluent disinfected by
ultra violet

Site Name: Exmouth (Maer Lane) Sewage Treatment Works

Authorised by consent reference: [REDACTED]

Issued by: Environment Agency

Issued on: [REDACTED]

Modified on: [REDACTED]

The Environment Agency in pursuance of its powers under the Water Resources Act 1991 Schedule 10 has reviewed the consent identified above and has determined that the conditions of that consent shall be modified as follows:

Delete condition 15.a.i

Replace condition 16 with:

16. The Discharge shall not contain more than 250 milligrams per litre of biochemical oxygen demand (measured after 5 days at 20°C with nitrification suppressed by the addition of allyl-thiourea).

If you are not satisfied with the terms of this Modification Notice, you may appeal to the Environment Appeals Team, The Planning Inspectorate, Room 4/04 Kite Wing, Temple Quay House, 2 The Square, Temple Quay, Bristol, BS1 6PN within three months of the date of this notice. A notice of appeal must specify the grounds for appeal. A copy of this notice, relevant correspondence and any other documents related to your appeal should accompany this notice. The notice of appeal should also be copied to Team Leader National Permitting Centre (Water Quality), Environment Agency, Manley House, Kestrel Way, Exeter, EX2 7LQ.

The terms of this notice will not be altered without the consent of the person making the discharge before the expiration of the period ending four years after the receipt of this Notice.

[REDACTED]

ENVIRONMENT AGENCY, SOUTH WEST REGION

NOTICE OF MODIFICATION TO CONSENT

**Water Resources Act 1991 Section 88 and Schedule 10
(As amended by the Environment Act 1995)**

Nature of discharge: Devon EA Area continuous discharges (final effluent) with consented Dry Weather Flow of 50m³/day or greater, and other discharges as agreed with South West Water Limited (as listed below).

Site Name: Devon EA Area Sewage Treatment Works with continuous discharge (final effluent) with consented Dry Weather Flow of 50m³/day or greater, and other sites as agreed with South West Water Limited (as listed below).

Consent Holder: South West Water Limited

Authorised by consent reference: Listed below.

The Environment Agency in pursuance of its powers under the Water Resources Act 1991 Schedule 10 has reviewed the consents identified below and has determined that the conditions of those consents shall be modified as follows:

Insert the following conditions:

Flow Measurement

- (a) Flows of the discharge shall be measured at such point(s) as agreed by the Agency.
- (b) 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.
- (c) 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.
- (d) 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.

- (e) 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.
- (f) Records of the flow readings or the reasons for any breaks in the record, as described in condition (e) above, shall be provided to the Agency when requested, in a format specified by the Agency.

All references to flow measurement of the final effluent discharge or sewage through the treatment works in the consents listed below are replaced by these conditions.

Table of Devon EA Area Consents modified as above by this Notice.

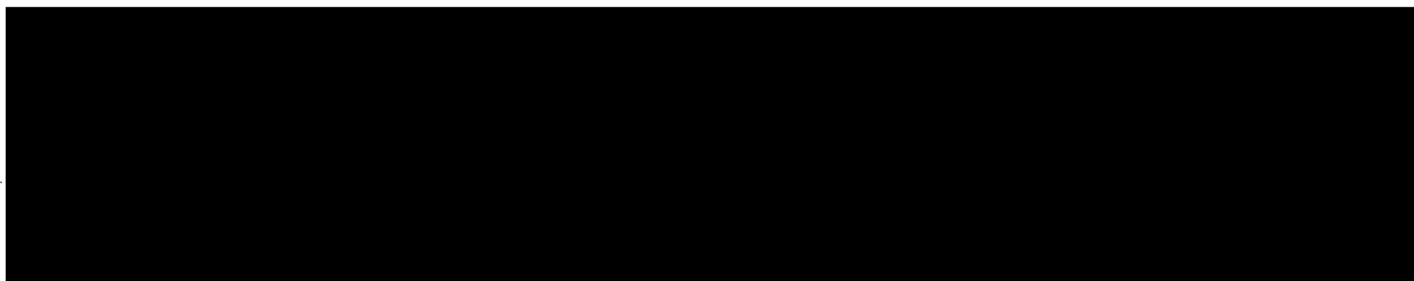
CONSENT NUMBER	STW
DRA 459	ABBOTSHAM
NRA-SW-3983	ASHPRINGTON
NRA-SW-3580	AYLESBEARE
SWWA 42	BAMPTON
200355/FN/01	BEAFORD WASTE WTW
DRA 1155	BELSTONE STICKLEPATH
200261/FN/01	BIGBURY & CHALLABOROUGH
NRA-SW-6747	BISHOPS NYMPTON
DRA 1456	BITTAFORD
NRA-SW-7665	BLACKAWTON
200364/FN/01	BLACK TORRINGTON
DRA 1382	BOW
SWWA 683	BRADNINCH
DRA 456	BRADWORTHY
DRA 1350	BRAMPFORD SPEKE
003101/FN/01	BRANSCOMBE
DRA 1538	BRATTON FLEMING
NRA-SW-6988	BRIDFORD
200357/FN/01	BROADHEMPSTON
NRA-SW-4946	BROADWINDSOR
DRA 1512	BUCKLAND BREWER
NRA-SW-3474	BURLESCOMBE & WESTLEIGH
SWWA 1137	CHAGFORD
NRA-SW-3838	CHAWLEIGH
NRA-SW-3560	CHERITON BISHOP
NRA-SW-7809	CHITTLEHAMPTON
NRA-SW-6620	CHRISTOW
DRA 159	CHULMLEIGH
DRA 1518	CLOVELLY
200926	CORNWORTHY

NRA-SW-3570	CULMSTOCK
NRA-SW-7808	DENBURY
DRA 1516	DRIMPTON
DRA 1196	DUNSFORD
SWWA 852	EAST ALLINGTON
DRA 239	EAST OGWELL
NRA-SW-0222	ERMINGTON
200365/FN/01	EXBOURNE
NRA-SW-3495	EXFORD
003174/FU/02	EXMOUTH
200356/FN/01	GOODLEIGH
200927	HALBERTON
NRA-SW-5295	HARBERTON
NRA-SW-6967	HARTLAND
DRA 192	HATHERLEIGH
SWWA 2412	HAWKCHURCH
DRA 1351	HIGH BICKINGTON
SWWA 2475	HOLCOMBE ROGUS
DRA 83	IDEFORD
DRA 1534	LAPFORD
DRA 1349	LODDISWELL
NRA-SW-7351	LUSTLEIGH
003269/FU/01	LYME REGIS (UPLYME)
003126/FN/01	MORCHARD BISHOP
NRA-SW-3912	MORETONHAMPSTEAD
NRA-SW-6684	MUSBURY & WHITFORD
NRA-SW-0247	NEWTON ST CYRES
SWWA 206	NORTH MOLTON
NRA-SW-0005	NORTH TAWTON
200413	NORTHLEW
200366/FN/02	OFFWELL
NRA-SW-6627	PARKHAM
NRA-SW-0411	PARRACOMBE
SWWA 2498	PAYHEMBURY
NRA-SW-3743	PLYMTREE
201064	PRINCETOWN
DRA 308	REWE & STOKE CANON
NRA-SW-3657	SAMPFORD COURTNEY
DRA 20	SAMPFORD PEVERELL
DRA 262	SANDFORD
NRA-SW-3849	SHEBBEAR
SWWA 5	SILVERTON
NRA-SW-6082	SOUTH MILTON
NRA-SW-5654	SOUTH MOLTON
NRA-SW-0257	STAVERTON
SWWA 2064	TALATON
NRA-SW-6737	TEIGN VILLAGE
NRA-SW-3897	THORNCOMBE
DRA 1355	THORVERTON
NRA-SW-6965	UGBOROUGH
NRA-SW-0423	WEST DOWN
NRA-SW-2877	WILMINGTON
DRA 1039	WINKLEIGH
DRA 1539	WINSHAM
DRA 1358	WITHERIDGE

NRA-SW-0272	WOOLFARDISWORTHY
NRA-SW-6626	YEOFORD
NRA-SW-3518	ZEAL MONACHORUM

If you are not satisfied with the terms of this Modification Notice, you may appeal to the Environment Appeals Team, The Planning Inspectorate, Room 4/12 Eagle Wing, Temple Quay House, 2 The Square, Temple Quay, Bristol, BS1 6PN within three months of the date of this notice. A notice of appeal must specify the grounds for appeal. A copy of this notice, relevant correspondence and any other documents related to your appeal should accompany this notice. The notice of appeal should also be copied to Team Leader Regulatory Strategic Water Quality, Environment Agency, Manley House, Kestrel Way, Exeter EX2 7LQ.

The terms of this notice will not be altered without the consent of the person making the discharge before the expiration of the period ending four years after the receipt of this Notice.



ENVIRONMENT AGENCY, SOUTH WEST REGION

NOTICE OF MODIFICATION TO CONSENT

**Water Resources Act 1991 Section 88 and Schedule 10
(As amended by the Environment Act 1995)**

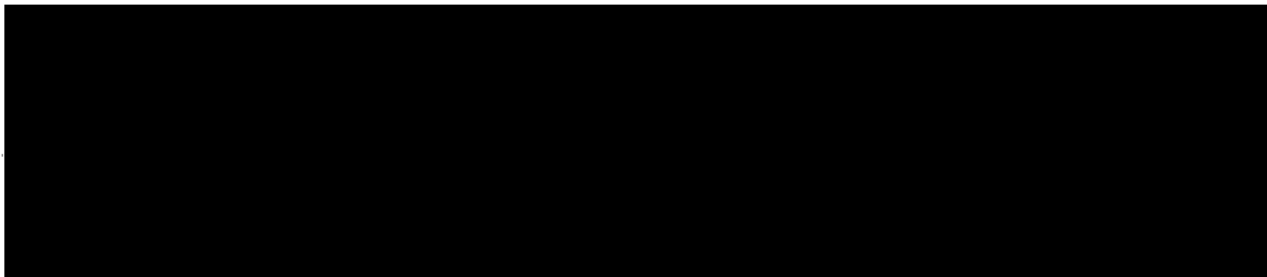
CONSENT NUMBER : 003174/FU/02

NAME: EXMOUTH (MAER LANE) SEWAGE TREATMENT WORKS

The Agency has reviewed the above consent, issued on **5th October 1999** and modified on **14 October 1999 and 23 March 2000**, and has determined that the conditions shall be modified as set out in the attached Appendix. This modification shall have effect on and after the date of issue of this notice.

If you are not satisfied with the terms of this Modification Notice, you may appeal the Secretary of State for the Environment, Food and Rural Affairs, Planning Inspectorate, Room 4/19 Eagle Wing, Temple Quay House, 2 The Square, Temple Quay, Bristol, BS1 6PN within three months of the date of this notice. A notice of appeal must specify the grounds for appeal. A copy of this notice, relevant correspondence and any other documents related to your appeal should accompany this notice. The notice of appeal should also be copied to Team Leader Regulatory (Strategic Water Quality), Environment Agency, Manley House, Kestrel Way, Exeter EX2 7LQ.

The terms of this notice will not be altered without the consent of the person making the discharge before the expiration of the period ending four years after the receipt of this Notice.



APPENDIX

Delete conditions 6 and 7 and insert new conditions:

Nature

6.

- a) The Discharge shall consist solely of secondary treated sewage effluent that has been disinfected by means of ultra violet (UV) irradiation. For the purpose of this consent, "disinfection" is defined as the use of a process designed specifically to reduce the number of viable, potentially infectious micro-organisms in the effluent.
 - b) The Discharge shall be disinfected by means of UV irradiation from an artificial source with at least 85% of the available radiation emitted in the wavelength range 250 to 260nm. A received UV dose of 43 mJ/cm² must be exceeded subject to condition 6(c) and 6(d) below.
 - c) The received UV dose must exceed the limit set out in condition 6(b) for at least 99% of the recorded measurements (as required by condition 23.2(a)(iii)) in any period of 12 consecutive months.
 - d) No more than 10% of the recorded measurements of the received dose taken consecutively during any 24-hour period from midnight to midnight shall fall below 21.5 mJ/cm².
 - e) The Consent Holder shall not allow the received UV dose to fall below 43 mJ/cm² during the maintenance of the UV plant. Maintenance is defined in the UV Code of Practice attached to this Notice.
-

Delete Condition 11:

11. The rate of Discharge shall not exceed 273 litres per second.
-

Delete conditions 13, 23, 24, 29 and ANNEX 3 and insert new conditions:

Recording and Reporting

23.

23.1 Maintenance Programme

- a) The Consent Holder shall establish and operate a documented maintenance programme including the method and frequency of cleaning and replacement of UV lamps, UV Intensity meters and flow meters, and record all non-routine actions undertaken that may have adversely affected effluent quality. Details of the maintenance programme shall be provided to the Agency. Copies of the programme shall be made available for inspection by the Agency's officers at all reasonable times.
- b) The Consent Holder shall keep records of the maintenance undertaken (both routine and non-routine). Copies of these records shall be maintained by the Consent Holder and kept available for inspection by the Agency's officers at all reasonable times.
- c) 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.

23.2 *UV Process Monitoring and Reporting*

- a) The following variables shall be measured and recorded at 15-minute intervals, using continuous recorders with on-site visual displays from which readings may be readily obtained.
 - i) the instantaneous flow rate through each UV irradiation channel
 - ii) the instantaneous applied UV dose for each UV irradiation channel
 - iii) the instantaneous received UV dose for each UV irradiation channel
 - iv) the instantaneous measured UV intensity for each bank
 - v) any other parameters used in calculating the UV dose
- b) Copies of the records shall be maintained by the Consent Holder for a minimum of 2 years or such longer time as the Agency may from time to time specify and be kept at a nominated place available for inspection by the Agency's officers at all reasonable times.
- c) The Consent Holder shall supply to the Agency, 1 month in arrears, in a format specified by the Agency, on a quarterly basis, the records of the readings specified in condition 23.2(a).

23.3 *Exception Reports*

- a) The Consent Holder shall supply to the Agency at three monthly intervals, or upon request, a written report, detailing all occurrences where,
 - vi) there were any failures of any measurement system used to control the UV dosing system
 - vii) the external power supply to the UV disinfection system was interrupted
 - viii) discharge of sewage effluent was made which had not been subjected to the required UV dose as specified in conditions 6(d) or 25 of this consent.
- b) The report shall detail the reasons why the situation occurred, and the actions taken by the Consent Holder. The report shall include an assessment of what measures can be adopted in the future to minimise such occurrences.
- c) The Agency, if satisfied that the cause of any such occurrence is an emergency and outside the control of the Consent Holder, and that all possible measures were taken to minimise the impact of the discharge on Controlled Waters, shall exclude the measurements for the period of that occurrence for compliance purposes with condition 6(d)

23.4 *Disinfection Efficacy Monitoring*

- a) The Consent Holder shall carry out the monitoring programme as detailed below, unless otherwise notified in writing by the Agency. The results of the monitoring programme are to be supplied to the Agency in a format specified by the Agency, on a three monthly basis, two months in arrears.
- b) Sample points:
 - X Crude influent to sewage treatment works.
 - Y Biologically treated sewage effluent before UV disinfection.
 - B Biologically treated sewage effluent after UV disinfection at N.G.R. SY 0241 8039.
- c) Microbiological determinands and frequencies (Agency Standard Analytical Methods to be employed, including AQC):
 - i) **Faecal Coliforms** - fortnightly at sample points X, Y and B;
 - ii) **Total Coliforms** - fortnightly, at sample points X, Y and B;
 - iii) **Faecal Streptococci** - fortnightly, at sample points X, Y and B;
 - iv) **Salmonella** - fortnightly, at sample points Y and B;
 - v) **Representative enteroviruses** - fortnightly, at sample points Y and B;
 - vi) **F-specific bacteriophage** - fortnightly, at sample points Y and B.

Following two consecutive years of full consent compliance, the Agency will review the data annually and notify in writing the Consent Holder of any resulting change to the monitoring regime.

d) Other determinands and frequencies

The measurements of determinands (i) to (iii) below and the sample at Point Y for determination of (iv) to (vi) below and microbial determinands shall be taken at the same time. At each sample point, samples for analysis should be sub-sampled from a single bulk sample. Where this cannot be achieved, the sampling regime shall be clearly recorded.

- i) The flow through each UV irradiation channel shall be measured.
 - ii) The received dose shall be recorded in each UV irradiation channel.
 - iii) The UV transmittance at 254nm shall be measured by in-situ meter.
 - iv) The UV transmittance shall also be measured by laboratory analysis of samples collected at sample point Y.
 - v) Suspended solids shall be measured by laboratory analysis of samples collected at sample point Y.
 - vi) BOD (ATU) shall be measured by laboratory analysis of samples collected at sample point Y.
-

Delete condition 25 and insert new condition:

Failure of UV measurement systems

25. In the event of failure of the flow monitor or UV intensity meter used in the control of the UV dosing system:
- a) the maximum available number of duty banks of UV lamps shall be automatically activated;
 - b) the minimum applied UV dose at maximum effluent flow rates at a calculated UV transmittance (at 254nm) of 45 %, shall not be less than 43 mJ/cm².
-

Delete condition 26 and insert new condition:

Telemetry

26. A telemetry alarm system connected to a 24-hour manned station shall be provided and maintained by the Consent Holder to provide a warning in the event that:
- a) the external power supply to the UV disinfection system has been interrupted;
 - b) failure of any measurement system used to control the UV dosing system has occurred;
 - c) discharge of sewage effluent has occurred which has not been subjected to the received UV dose of 43 mJ/cm².
-

Delete condition 27 and insert new condition:

UV emergency notification

27. The Consent Holder shall notify the Agency in the event of a discharge of sewage effluent which has not met the requirements of conditions 6(d) or 25 of this consent, or of loss of secondary treatment. Such notification must be made as soon as practicable and no later than 24 hours

after the event, and shall detail the reasons why the situation occurred, and the actions taken by the Consent Holder.

Delete condition 28 and insert new condition:

UV power

28. Full stand-by power generation facilities shall be provided and maintained by the Consent Holder in good working order to enable automatic resumption of power to the UV disinfection system in the event of external power supply failure to the UV disinfection plant.
-

The "CODE OF PRACTICE OF UV DISINFECTION" and "APPENDIX COP/1" attached to the consent shall be deleted and the "UV Code of Practice" and "Calculation of UV dose" attached to this notice shall be attached to the consent.

UV code of practice

The UV disinfection system shall be provided and maintained to ensure that its hydraulic characteristics and the path length of UV irradiation are such that, during the required period of disinfection, the effluent is subjected to the UV dose rate specified in the consent.

The UV disinfection system and stand-by power facilities shall be operated so as to minimise the frequency and duration of an emergency discharge of sewage effluent which has not been subjected to the required UV dose (as specified in the consent).

The applied and received UV doses (as defined in the Calculation of UV dose) shall be determined from:

- i. the flow rate of effluent through the UV disinfection system (l/s),
- ii. the reactor volume,
- iii. the theoretical UV intensity at end of lamp life at the assumed UV transmittance for the effluent
- iv. the measured UV intensity at 254nm

Maintenance

- a) A maintenance programme, including the method and frequency of cleaning and replacement of the UV lamps/ UV radiation monitors, shall be undertaken by the Consent Holder.
- b) Any failure to meet the requirements of the maintenance programme shall be advised to the Agency as soon as practicable and a report providing an explanation of the circumstances provided to the Agency within 2 weeks.
- c) The Consent Holder shall keep records of the maintenance undertaken (both programmed and unprogrammed) and shall include the measured UV intensity readings immediately before and immediately after each UV lamp/ UV monitor cleaning or replacement. Copies of these records shall be maintained by the Consent Holder and kept available for inspection by the Agency's officers at all reasonable times.

Calculation of UV dose

Definitions

For each bank of UV lamps, UV dose is defined as the product of UV light intensity (impacting on wastewater passing through the bank) and the retention time (of wastewater passing through the bank). For the purposes of consent, the following terms are defined for each UV irradiation channel:

“reactor volume”

is the volume of wastewater at any given time passing through the system that is being irradiated.

“adjusted retention time”

is the reactor volume divided by the measured rate of flow into the UV channel.

“theoretical UV intensity”

is the predicted average UV intensity across the reactor volumes, being delivered by the operating lamps at the assumed at the UV transmittance (as agreed with the Agency in writing) for the effluent (at 254nm) predicted from the rated output (mJ) of the UV lamps at end of lamp life (cleaned);

“measured UV intensity”

is the UV intensity at 254nm measured in accordance with manufacturer's recommendations for each operating bank of UV lamps.

Calculations

- | | | | | | | |
|-----|---|---|--|---|----------------------|-----------|
| i. | Applied UV Dose
(mJ/cm ²) | = | Theoretical
UV Intensity
(mW/cm ²) | X | Adjusted
Time (s) | Retention |
| ii. | Received UV Dose
(mJ/cm ²) | = | Measured
UV Intensity
(mW/cm ²) | X | Adjusted
Time (s) | Retention |

The UV dose (applied or received) for each channel is the sum of the UV doses for each operational bank in that channel.

The method of measuring/estimating UV intensity at this site must be clearly defined.

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CONSENT NO. List 1

Mod Notice October 2008

WATER RESOURCES ACT 1991

SECTION 88 - SCHEDULE 10

(AS AMENDED BY THE ENVIRONMENT ACT 1995)

NOTICE OF MODIFICATION OF CONSENT TO DISCHARGE

TO: South West Water Ltd ("the Consent Holder")
Peninsula House
Rydon Lane
Exeter
EX2 7HR

Following a review of the conditions of its consent, the **ENVIRONMENT AGENCY** ("the Agency") exercising its powers under paragraph 7(2)(b) of Schedule 10 to the Water Resources Act 1991, **HEREBY MODIFIES ITS CONSENT** for making a discharge(s) **OF:** Treated Sewage Effluent

with respect to the attached list of consents, (List 1)

FROM the date upon which this modification takes effect, each of the consents in the attached List 1 is modified as follows:

A. Addition of the following new conditions OSM 1 – OSM 13 and Annexes OSM1and LUT1 as specified in this notice of modification

NOTE. All other conditions of the consents in List 1 remain unaltered and in force. This notice of modification should be read in conjunction with, and attached to each consent as specified in the attached list of consents or schedules to consents.

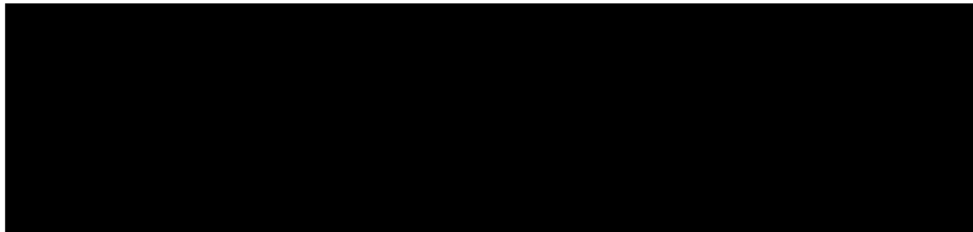
Where a discharge is regulated by a schedule to a consent, then the wording in these conditions shall be taken as referring to that schedule in place of the term 'consent'.

Under 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.

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This modification is served on 14th day of October 2008

This modification takes effect on the 1st day of April 2009 or a later date agreed in writing by the Agency but no later than the 1st January 2010



New conditions added: Operator Self Monitoring (OSM) conditions

OSM Monitoring programme

- OSM 1 The Consent Holder shall, unless otherwise agreed in writing by the Agency, undertake a monitoring programme for the parameters specified by this consent which control the effluent quality by numeric limits, at not less than the frequencies specified in Annex OSM 1 to this permit.
This does not include List 1 substances included within a consent in the General Standards Table.
- OSM 2 The monitoring programme referred to in condition OSM1 shall:
- (a) cover a calendar year, and
 - (b) be recorded and referred to in a Quality Management System before the commencement of a calendar year sample period.

QMS and MCERTS

- OSM 3 The Consent Holder shall have an appropriate Quality Management System covering Operator Self Monitoring.
- OSM 4 The Consent Holder shall ensure that appropriate actions and activities carried out to fulfil the requirements of condition OSM1 are recorded.
- OSM 5 Any sampling or analysis carried out to fulfil the requirements of condition OSM 1 shall be managed and operated by the Consent Holder or its appointed organisation or organisations in accordance with ISO 17025 for the MCERTS Performance Standard for Organisations Undertaking Sampling and Chemical Testing of Water (Part1) to the reasonable satisfaction of the Agency.
- OSM 6 (a) For the period up to 1 July 2010, any organisation undertaking sampling and analysis to fulfil the requirements of condition OSM1 shall have applied for accreditation to ISO 17025 for the MCERTS Performance Standard for Organisations Undertaking Sampling

OSM Modification Notice

and Chemical Testing of Water (Part1), unless otherwise agreed in writing by the Agency, and

- (b) From 1 July 2010, any organisation undertaking sampling and analysis to fulfil the requirements of condition OSM1 shall have gained accreditation to ISO 17025 for the MCERTS Performance Standard for Organisations Undertaking Sampling and Chemical Testing of Water (Part1), unless otherwise agreed in writing by the Agency.

OSM7 The Consent Holder shall ensure that all required records of compliance and accreditation with ISO 17025 for the MCERTS Performance Standard for Organisations Undertaking Sampling and Chemical Testing of Water (Part 1) are maintained.

Records

- OSM 8** All records required to be made by this consent shall:
- (a) be legible, and
 - (b) be made as soon as reasonably practicable, and
 - (c) if amended, be amended in such a way that the original and any subsequent amendments remain legible, or are capable of retrieval and
 - (d) be retained, unless otherwise agreed in writing by the Agency, for at least 6 years from the date when the records were made, and
 - (e) where the records have been requested in writing by the Agency, copies shall be supplied to the Agency within 14 days, unless otherwise agreed in writing by the Agency,

Reporting routine analysis

OSM 9 The analytical results from the monitoring programme required by condition OSM 1 must be supplied to the Agency in an electronic format defined by the Agency, as soon as is reasonably practical for each result, and at least on a quarterly basis.

Reporting exceedances

- OSM 10** When the Consent Holder becomes aware that a sample result has exceeded a numeric water quality limit specified within this Consent, (including those covered by the Look-up Table) the Consent Holder shall, unless prior agreement has been given in writing by the Agency, notify the Agency as soon as is reasonably practicable by a reporting system and format specified by the Agency.
- OSM 11** When the Consent Holder becomes aware that the Discharge is not compliant with the Look-up Table (as set out in Annex LUT1) for a numeric water quality limit specified within this Consent, the Consent Holder shall, unless prior agreement has been given in writing by the

OSM Modification Notice

Agency, notify the Agency as soon as is reasonably practicable by a reporting system and format specified by the Agency.

Reporting sample missed or lost

OSM 12 After becoming aware, or following notification that, a sample has not been taken on the Monitoring Programme pre-scheduled date, or is lost, or a result for that sample can not be reported, the Consent Holder shall record the details and reschedule the sample.

Annual monitoring summary compliance report

OSM 13 A summary report :

- (a) of compliance with the monitoring programme referred to in condition OSM1 shall be made for each calendar year, and
- (b) shall be submitted to the Agency within two months following the end of the year and shall have the data summarised and shall be in the format required by the Agency.

Annex OSM1 – Opra Tier 3 Sampling Frequency

Determinand	Normal frequency of samples per year	Reduced Sampling frequency after 12 consecutive months of numeric consent compliance, samples per year or pro rata over the remainder of a year	On consent failure return to Normal frequency as soon as reasonably practicable, samples per 12 months	Out of hours samples
Sanitary	24	12	24	For 24 samples 2 out of hours samples per annum
Non sanitary	12	12	12	For 12 samples 1 out of hours sample per annum

Annex OSM1 relates to spot samples which must be collected at approximately equal intervals during the year, but should include samples from different days of the week and different times. Approximately 10% of samples should be outside of the normal sampling window which is 9am - 3pm, Monday to Friday.

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Annex LUT 1

Look-up table	
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

List 1 - List of Consents

Consent Number	Discharge name	Receiving water name
NRA-SW-3983	ASHPRINGTON STW	RIVER HARBOURNE
NRA-SW-6738	ASHWATER STW	RIVER CAREY
201967	AVETON GIFFORD STW	AVON RIVER ESTUARY
DRA 1559	AXMINSTER (KILMINGTON) STW	RIVER AXE
NRA-SW-3580	AYLESBEARE STW	AYLESBEARE BROOK
002491/FU/01	BARNSTAPLE (ASHFORD) STW	RIVER TAW ESTUARY
200355/FN/01	BEAFORD WASTE WTW	BEAFORD BROOK
NRA-SW-3790	BERE ALSTON STW	TIDAL RIVER TAMAR

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NRA-SW-6739	BERE FERRERS STW	RIVER TAVY
NRA-SW-6747	BISHOPS NYMPTON STW	CROOKED OAK STREAM
200364/FN/01	BLACK TORRINGTON STW	RIVER TORRIDGE
NRA-SW-7828	BLACKWATER STW	RIVER CARNON
NRA-SW-6959	BODMIN (NANSTALLON) STW	RIVER CAMEL
NRA-SW-4018	BODMIN (SCARLETTS WELL) STW	RIVER CAMEL
003101/FN/01	BRANSCOMBE STW	BRANSCOMBE STREAM
NRA-SW-3794	BRIDESTOW STW	RIVER LEW
NRA-SW-0406	BRIDGERULE STW	RIVER TAMAR
302993	BRIXTON STW	BROAD OOZE, YEALM ESTUARY
200357/FN/01	BROADHEMPSTON STW	RIVER HEIMS
NRA-SW-4946	BROADWINDSOR STW	TRIB TO DRIMPTON STREAM
203020	BRUSHFORD STW	RIVER BARLE
NRA-SW-5002	BUCKFASTLEIGH STW	RIVER DART
301299	BUDE SEWAGE TREATMENT WORKS	ATLANTIC OCEAN
NRA-SW-3474	BURLESCOMBE & WESTLEIGH STW	RIVER LYNHER
303508	CALLINGTON (NEW) STW	HAYE VALLEY STREAM
303087	CALSTOCK STW	RIVER TAMAR ESTUARY
300705	CAMBORNE STW	ATLANTIC OCEAN
15/49/281/P/16	CAMELFORD STW	RIVER CAMEL
303085	CARGREEN STW	RIVER TAMAR ESTUARY
NRA-SW-7825	CARNON DOWNS STW	RIVER CARNON
NRA-SW-3838	CHAWLEIGH STW	LITTLE DART RIVER
NRA-SW-3580	CHERITON BISHOP STW	FORD BROOK
202985	CHERITON FITZPAINE STW	TRIB OF HOLLY WATER
SWWA 2174	CHILLATON STW	QUITHER BROOK
203442	CHILLINGTON & FROGMORE STW	CHILLINGTON STREAM
NRA-SW-6748	CHITTLEHAMHOLT STW	TRIB OF CLAYTON STREAM
NRA-SW-7809	CHITTLEHAMPTON STW	TRIB OF HAWKBRIDGE BROOK
NRA-SW-6620	CHRISTOW STW	RIVER TEIGN
NRA-SW-6984	CHUDLEIGH SEWAGE TREATMENT WORKS	RIVER TEIGN
002728/FN/01	CHURCHINFORD STW	RIVER OTTER
203474	CLAPTON STW	RIVER AXE
002673	COMBE MARTIN SEWAGE TREATMENT WORKS	BRISTOL CHANNEL
302487	CONSTANTINE STW	LESTRAINES RIVER
202669	CORNBOROUGH STW	BIDEFORD BAY
200926	CORNWORTHY STW	TRIB OF BOW CREEK
NRA-SW-0215	CREDITON STW	RIVER YEO/RIVER CREEDY
201127	CROYDE SEWAGE TREATMENT WORKS	CROYDE BAY
DRA 936	CULLOMPTON STW	RIVER CULM
NRA-SW-3570	CULMSTOCK SEWAGE TREATMENT WORKS	RIVER CULM
202394	DARTMOUTH STW	DART ESTUARY
200819	DAWLISH SEWAGE TREATMENT WORKS	LYME BAY
NRA-SW-4934	DELABOLE STW	TRIB OF RIVER ALLEN
NRA-SW-7808	DENBURY STW	HALWELL STREAM

(Devon)

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202711	DITTISHAM STW	RIVER DART ESTUARY
203161	DOLTON SEWAGE TREATMENT WORKS	TRIB OF RIVER TORRIDGE
203109	DUNKESWELL STW	RIVER MADFORD
SWWA 852	EAST ALLINGTON STW	FALLAPIT STREAM
NRA-SW-0222	ERMINGTON STW	RIVER ERME
301142	ERNESETTLE SEWAGE TREATMENT WORKS	RIVER TAMAR
200365/FN/01	EXBOURNE STW	HOLE BROOK
202475	EXETER (COUNTRESS WEAR) STW	RIVER EXE ESTUARY
NRA-SW-3495	EXFORD STW	RIVER EXE
003174/FU/02	EXMOUTH SEWAGE TREATMENT WORKS	LYME BAY
302642	FALMOUTH SEWAGE TREATMENT WORKS	CARRICK ROADS
NRA-SW-3708	FENITON STW	RIVER OTTER
SWWA 944	FLUXTON STW	RIVER OTTER
302530	FOWEY SEWAGE TREATMENT WORKS	FOWEY ESTUARY
NRA-SW-5666	FRADDON STW	TRIB OF RIVER GANNEL
202412	GALMPTON (HOPE COVE) STW	BIGBURY BAY
200356/FN/01	GOODLEIGH STW	GOODLEIGH STREAM
NRA-SW-3701	GOONHAVERN STW	BOLINGEY STREAM
300118/FU/01	GORRANHAVEN STW	ENGLISH CHANNEL
SWWA 2214	GRATTON STW	RIVER MEAVY
203792	GREAT TORRINGTON STW	RIVER TORRIDGE
200927	HALBERTON STW	TRIB OF HALBERTON STREAM
002027	HALWILL SEWAGE TREATMENT WORKS	RIVER CAREY
NRA-SW-5295	HARBERTON STW	HARBETON STREAM
203562	HARBERTONFORD STW	RIVER HARBOURNE
NRA-SW-0227	HARROWBARROW STW	UNNAMED TRIB RIVER TAMAR
NRA-SW-6967	HARTLAND STW	ABBAY STREAM
SWWA 2412	HAWKCHURCH STW	BLACKWATER RIVER/STREAM
203812	HEATHFIELD STW	RIVER BOVEY
302822	HELSTON STW	RIVER COBER
202474	HEMYOCK STW	RIVER CULM
202413	HOLBETON SEWAGETREATMENT WORKS	RIVER ERME ESTUARY
SWWA 2475	HOLCOMBE ROGUS STW	TRIB OF RIVER LYNER
NRA-SW-6975	HOLSWORTHY (DERRITON) STW	COLES STREAM
NRA-SW-3869	HONITON STW	RIVER OTTER
200403	HORNS CROSS SEWAGE TREATMENT WORKS	TRIBUTARY OF RIVER YEO
SWWA 2258	HORRABRIDGE STW	RIVER WALKHAM
DRA 83	IDEFORD STW	TRIB OF RIVER LEMON
002671/FU/01	ILFRACOMBE STW	BRISTOL CHANNEL
203406	IPPLEPEN & TORBRYAN STW	HALWELL STREAM
203299	IVYBRIDGE STW	RIVER ERME
202372	KENN & KENN FORD STW	RIVER KENN
202541	KENTON AND STARCROSS STW	EXE ESTUARY
203223	KINGSBRIDGE STW	KINGSBRIDGE ESTUARY
203413	KINGSTON STW	KINGSTON STREAM

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202367	KNOWLE SEWAGE TREATMENT WORKS	TRIB OF RIVER CAEN
302508	LADOCK VALLEY STW	TRESILLIAN RIVER ESTUARY
303086	LANDRAKE STW	RIVER LYNER ESTUARY
NRA-SW-5475	LANNER ST DAY STW	THE HICKS MILL STREAM
NRA-SW-6981	LAUNCESTON (ST LEONARDS) STW	RIVER TAMAR
NRA-SW-0237	LEE MILL STW	UNNAMED TRIB RIVER YEALM
303090	LEWANNICK STW	PENPONT
NRA-SW-6982	LEWDOWN STW	TRIB OF RIVER THRUSHEL
NRA-SW-3789	LISKEARD (LODGE HILL) STW	EAST LOOE RIVER
NRA-SW-3676	LITTLE PETHERICK STW	TRIB OF LITTLE PETHERICK
300914	LOOE STW	TRIB. OF WEST LOOE RIVER
NRA-SW-5293	LOSTWITHIEL STW	TIDAL RIVER FOWEY
NRA-SW-7351	LUSTLEIGH STW	THE WRAY BROOK
033125/FN/01	LUTTON STW	RIVER PIAL
303089	LYDFORD STW	TRIB OF RADDON STREAM
003289/FU/01	LYME REGIS (UPLYME) STW	LYME BAY
202404	LYNMOUTH (MANOR GARDENS) STW	LYNMOUTH BAY
001685/FU/01	MALBOROUGH STW	KINGSBRIDGE ESTUARY
202255	MARSH GREEN SEWAGE TREATMENT WORKS	FORD STREAM
NRA-SW-4999	METHERELL STW	TRIB OF RIVER TAMAR
203312	MIDDLE MARWOOD STW	MIDDLE MARWOOD STREAM
NRA-SW-7829/FN/1	MILLBROOK STW	MILLBROOK CREEK
NRA-SW-3402	MILTON ABBOT STW	TRIB OF RIVER TAMAR
SWWA 2259	MODBURY STW	AYLESTON BROOK
003126/FN/01	MORCHARD BISHOP STW	TRIB. OF PEPPER LAKE
NRA-SW-6964	MORELEIGH STW	TRIB OF TORR BROOK
NRA-SW-3912	MORETONHAMPSTEAD STW	THE WRAY BROOK
NRA-SW-6684	MUSBURY & WHITFORD STW	RIVER AXE
302505	MYLOR BRIDGE STW	TRIB OF MYLOR CREEK
300911	NEWQUAY SEWAGE TREATMENT WORKS	ATLANTIC OCEAN
202009	NEWTON ABBOT (FORDE ROAD) STW	LYME BAY
302043	NEWTON FERRERS STW	NEWTON STREAM
NRA-SW-0247	NEWTON ST CYRES STW	RIVER CREEDY
302298	NORTH FAL STW (ST STEPHENS COOMBE)	GWINDRA STREAM
NRA-SW-6621	NORTH HILL STW	RIVER LYNHER
SWWA 206	NORTH MOLTON STW	RIVER MOLE
NRA-SW-3765	NORTH PETHERWIN STW	RIVER OTTERY
NRA-SW-0005	NORTH TAWTON STW	RIVER TAW
200413	NORTHLEW SEWAGE TREATMENT WORKS	NORTHLEW STRM AND TRIBUTARY
200366/FN/02	OFFWELL SEWAGE TREATMENT WORKS	OFFWELL BROOK
202463	OKEHAMPTON STW	RIVER OKEMENT
202411	OTTERTON SEWAGE TREATMENT WORKS	LYME BAY
DRA 96	OTTERY ST MARY	RIVER OTTER
031299/FN/01	PAR SEWAGE TREATMENT WORKS	ST AUSTELL BAY

OSM Modification Notice

NRA-SW-6627	PARKHAM STW	RIVER YEO
NRA-SW-0411	PARRACOMBE STW	RIVER HEDDON
SWWA 2498	PAYHEMBURY STW	PAYHEMBURY STREAM
NRA-SW-4009	PELYNT STW	UNNAMED TRIB TO POLPERRO RIVER
303049	PERRANPORTH STW	ATLANTIC OCEAN
201033	PETROCKSTOWE STW	TRIB OF LITTLE MERE RIVER
NRA-SW-6741	PILLATON STW	RIVER LYNHER
303000	PLYMOUTH (CAMELS HEAD) STW	WESTON MILL LAKE
301935	PLYMOUTH (RADFORD) STW	TIDAL HOOE LAKE
303347	PLYMOUTH CENTRAL STW	PLYMOUTH SOUND/PLYM ESTUARY
NRA-SW-6977	PLYMPTON (MARSH MILLS) STW	TIDAL RIVER PLYM
NRA-SW-3743	PLYMTREE STW	RIVER WEAVER
300827/FN/01	PONSANOOTH STW	RIVER KENNAL
300968	PORTHALLOW SEWAGE TREATMENT WORKS	PORTHALLOW STREAM
034544	PORTHILLY SEWAGE TREATMENT WORKS	CAMEL ESTUARY
032993/FU/01	PORTHLEVEN STW (TREGEW FARM)	ENGLISH CHANNEL
302457	PORTHTOWAN STW	PORTHTOWAN STREAM
NRA-SW-7821	PRAZE AN BEEBLE STW	PRAZE RIVER
201064	PRINCETOWN SEWAGE TREATMENT WORKS	BLACKBROOK RIVER
302417	PYWORTHY SEWAGE TREATMENT WORKS	DERRIL WATER
NRA-SW-6622	RILLA MILL STW	RIVER LYNHER
NRA-SW-3657	SAMPFORD COURTNEY STW	TRIBUTARY TO THE HOLE BROOK
300594/FU/01	SEATON & DOWNDERRY STW	RIVER SEATON
202563	SEATON STW	RIVER AXE ESTUARY
NRA-SW-3849	SHEBBEAR STW	RIVER TORRIDGE
200834	SIDMOUTH SEWAGE TREATMENT WKS	LYME BAY
NRA-SW-7827	SOURTON DOWN STW	RIVER LEW
NRA-SW-6082	SOUTH MILTON STW	SOUTH MILTON STREAM
NRA-SW-5654	SOUTH MOLTON STW	THE RIVER MOLE
203380	SPREYTON STW	COOMBE STREAM
303394	ST AGNES STW	ATLANTIC OCEAN
031294	ST AUSTELL MENAGWINS STW	ST AUSTELL RIVER
SWWA 146	ST AUSTELL NORTH STW	RIVER PAR
NRA-SW-6746	ST BREWARD STW	RIVER CAMEL
302956	ST CLEER STW	TREMAR STREAM
303683	ST COLUMB STW	RIVER MENAHL
NRA-SW-3885	ST DENNIS STW	RIVER FAL
SWWA 200	ST GENNYS STW	TRIB OF CRACKINGTON STREAM
NRA-SW-0414	ST MABYN STW	RIVER ALLEN
302506	ST MAWES STW	CARRICK ROADS
302488	ST MELLION SEWAGE TREATMENT WORKS	TRIB OF DEANS BROOK
NRA-SW-3673	ST NEOT STW	ST NEOT RIVER
NRA-SW-6625	ST NEWLYN EAST STW	RIVER GANNEL
NRA-SW-0257	STAVERTON STW	RIVER DART

OSM Modification Notice

300394/FN/02	STIBB SEWAGE TREATMENT WORKS	TRIB OF COOMBE VALLEY STREAM
NRA-SW-6743	STOKE CLIMSLAND STW	LUCKETT STREAM
302908	STOKE HILL(CRAPSTONE) STW	MILTON STREAM
203249	TATWORTH STW	FORTON BROOK
301918	TAVISTOCK STW	RIVER TAVY
203478	TEDBURN ST MARY STW	LILLY BROOK
NRA-SW-6737	TEIGN VILLAGE STW	RIVER TEIGN
NRA-SW-3897	THORNCOMBE STW	RIVER SYNDERFORD
201437	TIVERTON STW	RIVER EXE
200976	TORBAY (BROKENBURY QUARRY) STW	ENGLISH CHANNEL
SWWA 179	TORPOINT STW	ST JOHNS LAKE (TAMAR ESTUARY)
203080	TOTNES STW	DART ESTUARY
NRA-SW-5049	TREBULLETT STW	RIVER INNY
302998	TRECERUS SEWAGE TREATMENT WORKS	POLVENTON BAY
CRA 1	TREKNOW STW	TREBARWITH STREAM
302707	TRURO (NEWHAM) STW	TRURO RIVER ESTUARY
NRA-SW-6965	UGBOROUGH STW	TRIB OF LUD BROOK
NRA-SW-6742	VERYAN STW	CARNE STREAM
302997	WADEBRIDGE STW	CAMEL ESTUARY
NRA-SW-6685	WEEK ST MARY STW	WEEK BROOK
032738/FN/02	WEMBURY STW	WEMBURY BAY
203206	WEST CHARLETON STW	CHARLETON STREAM
NRA-SW-0423	WEST DOWN STW	UNNAMED TRIB RIVER CAEN
NRA-SW-2877	WILMINGTON STW	UMBORNE BROOK
203662	WINKLEIGH STW	BULLOW BROOK
203275	WINSFORD STW	RIVER EXE
202848	WOODBURY STW	POLLY BROOK
202081	WOOLACOMBE SEWAGE TREATMENT WORKS	MORTE BAY
NRA-SW-0272	WOOLFARDISWORTHY STW	TRIB CRANFORD WATER
NRA-SW-0273	YARCOMBE STW	TRIB RIVER YARTY
300436/FN/01	YEALMPTON STW	YEALM
NRA-SW-6626	YEOFORD STW	RIVER YEO
NRA-SW-3518	ZEAL MONACHORUM STW	RIVER YEO

CONSENT NO	
FILE REFERENCE	

WATER RESOURCES ACT 1991 SECTION 88 - SCHEDULE 10
(as amended by the Environment Act 1995)

CONSENT TO DISCHARGE

TO: SOUTH WEST WATER SERVICES LIMITED
PENINSULA HOUSE
RYDON LANE
EXETER
EX2 7HR

The Environment Agency ("The Agency") in pursuance of its powers under the Water Resources Act 1991 (as amended by the Environment Act 1995) **HEREBY CONSENTS** to the making of the following Discharge(s):-

ULTRA VIOLET DISINFECTED SEWAGE

FROM: EXMOUTH STW

AT: EXMOUTH
DEVON

TO: LYME BAY

SUBJECT TO the conditions set out in the following schedule:

FU/01

Subject to the provisions of Paragraphs 6 and 7 of Schedule 10 of the Water Resources Act 1991 (as amended by the Environment Act 1995), no notice shall be served by the Agency, altering this consent without the agreement in writing of the Discharger, during a period of 2 years from the date this consent takes effect or such later date as may be specified in an endorsement to this document.



CONSENT NO.	
SCHEDULE NO.	
DATE ISSUED	

CONDITIONS OF CONSENT TO DISCHARGE

U V DISINFECTED SEWAGE ("the Discharge")

FROM: EXMOUTH STW

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

CHANGE IN TRADE EFFLUENT INPUTS

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

DATE FROM WHICH CONDITIONS OF CONSENT TAKE EFFECT

3. There shall be no Discharge under the terms of this consent until 1 May 1997 or the end of commissioning of the works whichever is the sooner. The Discharger shall give the Agency at least 28 days written notice before making the Discharge.

NATURE OF THE DISCHARGE

4. The Discharge shall consist of secondary treated sewage effluent which has been disinfected by means of ultra violet (UV) irradiation.

For the purpose of this consent, disinfection is defined as the use of a process designed specifically to reduce the number of viable, potentially infectious micro-organisms in the Discharge.

- 
5. The Discharge shall be disinfected by means of UV irradiation from an artificial source (at least 75% of the energy emitted in the wavelength range 250-260nm). An applied UV dose of 36mWs/cm² must be exceeded at all times.

PLACE OF DISCHARGE

6. The Discharge shall be made in the manner and at the place specified as:
- (a) discharging via a pipe terminating in a diffuser section consisting of 6 ports spaced at appropriate intervals
 - (b) discharging to the Lyme Bay
 - (c) at National Grid Reference SY 0403 7902, being a reasonable conversion from the largest scale Admiralty chart including the waters described in paragraph (b) above.

SAMPLE POINTS

7. An appropriately labelled sample point shall be provided and maintained at National Grid Reference SY 0241 8039 so that a representative sample of the Discharge may be obtained. The Discharger shall ensure that all constituents of the Discharge pass through the said sampling point at all times and in any legal proceedings it shall, for the purposes of Section 10 of the Rivers (Prevention of Pollution) Act 1961, be presumed, until the contrary is shown that any sample of the Discharge taken at the said sampling point is a sample of what was discharging into controlled waters.

VOLUME

8. The Dry Weather Flow of the Discharge shall not exceed 9186 cubic metres per day.
- For the purpose of this consent 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 one day.

- 
9. The rate of Discharge shall not exceed 273 litres per second.
10. Flow measurement structures shall be provided and maintained to enable the daily volume and instantaneous flow rate of the Discharge to be measured or determined as required.
- (a) In addition to the basic measurement structure, a continuous flow recorder, to an agreed specification, with on-site visual display from which readings can be readily obtained, shall be provided and maintained to enable the daily volume and instantaneous flow of the Discharge to be recorded.
 - (b) Copies of the readings shall be maintained by the Discharger and be provided to the Agency as and when requested.
 - (c) The recorder shall be calibrated and maintained on a regular basis to ensure that it is reading to an agreed standard. The Discharger shall keep a record of the calibration results available for inspection by the Agency.
11. (a) Continuous recording, with on-site visual display from which readings may be readily obtained, shall be provided and maintained by the Discharger enabling:
- (i) the instantaneous flow rate at the inlet to each UV irradiation channel to be recorded at hourly or more frequent intervals;
 - (ii) the applied and received UV dose and the measured UV intensity at the points of measurement for each bank of UV lamps to be measured and recorded at hourly, or more frequent, intervals.
- (b) Copies of the records shall be maintained by the Discharger for a minimum of 2 years or such longer time as the Agency may from time to time specify and be kept at a nominated place available for inspection by the Agency's officers at all reasonable times.
 - (c) The Discharger shall supply to the Agency, on a monthly basis, records of the inlet flow rates to the UV channels, the applied and received UV dose, the measured UV intensity and the parameters used in calculating the dose, in a format to be agreed with the Agency.
12. Flows through full treatment shall be measured at NGR SY 0241 8039.



COMPOSITION

13. (a) Subject to paragraph (b) below, the Discharge shall not contain more than;
- (i) 40 milligrams per litre of biochemical oxygen demand (measured after 5 days at 20°C with nitrification suppressed by the addition of allylthiourea)
 - (ii) 60 milligrams 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) may be exceeded where, in any series of samples of the Discharge taken at regular but randomised intervals in any period of twelve consecutive months, as listed in Column 1 of the table at Annex 1 to this Consent, no more than the relevant number of samples, as listed in Column 2 of the said table, exceed the applicable limit for that relevant parameter.
14. The Discharge shall not contain more than:
- (a) 80 milligrams per litre of biochemical oxygen demand (measured after 5 days at 20°C with nitrification suppressed by the addition of allylthiourea)
15. The Discharge shall not contain more than:
- (a) 0.163 milligrams per litre of Total Zinc.
 - (b) 0.201 milligrams per litre of Total Lead.
 - (c) 1.448 milligrams per litre of Total Copper.
 - (d) 140.0 nanograms per litre of Hexachlorocyclohexane.
16. The Discharge shall not have a pH less than 6 or greater than 9.
17. As far as is reasonably practicable, the works shall be operated so as to prevent the Discharge from containing any significant trace of visible oil or grease.



NON-INJURIOUS TO FISH

18. As far as is reasonably practicable, the works shall be operated so as to prevent:
- (i) any matter being present in the Discharge to such an extent as to cause the receiving waters, or any waters of which the receiving waters are a tributary, to be poisonous or injurious to fish in those waters, or to the spawning grounds, spawn or food of fish in those waters, or otherwise cause damage to the ecology of those waters; and
 - (ii) the Discharge from having any other adverse environmental impact.

MAINTENANCE

19. The works shall be operated and maintained in accordance with good operational practice such that:
- (a) it remains fully operational except at times of unavoidable mechanical or electrical breakdown which shall be attended to, and the Agency informed of any failure that may have adversely affected effluent quality, as soon as practicable after the failure;
 - (b) following a failure all equipment shall be returned to normal operation as soon as practicable;
 - (c) tanks shall be desludged at sufficient frequency and in such a manner to prevent excessive carryover of suspended solids.
20. (a) The Discharger shall maintain the outfall pipe and diffusers in an efficient operational condition, so as to minimise the probability of blockages or other failures, and shall implement periodic inspections of the integrity and performance of the diffusers and outfall pipe.
- (b) On request the Discharger shall supply the Agency with a written report on the maintenance and all non-routine actions undertaken.



UNUSUAL WEATHER CONDITIONS

21. (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 conditions contained in paragraphs 14, 15, 19 and 20 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 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 Discharger shall use its best endeavours to mitigate that adverse effect.
- (d) For a sample of the Discharge to be considered for the purposes of (a) above, the Discharger 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

22. (a) The Discharger shall establish and operate a documented maintenance programme and record all non-routine actions undertaken that may have adversely affected effluent quality. Copies of the programme shall be made available for inspection by the Agency's officers at all reasonable times.
- (b) On request the Discharger shall supply the Agency with a written report on the maintenance and all non-routine actions that may have adversely affected effluent quality.

CLAUSES APPLICABLE TO UV

ANNUAL REPORT TO THE AGENCY

23. The Discharger shall supply to the Agency, in October each year, a written report detailing all occurrences where, at any time:
- (a) the external power supply to the UV disinfection system was interrupted;
 - (b) there were any failures of any measurement system used to control the UV dosing system;
 - (c) a Discharge of sewage effluent was made which had not been subjected to the required UV dose as specified in condition 5 of this consent.

The report shall detail the reasons why the situation occurred, the actions taken by the Discharger and the volume/duration of any Discharges made as described in (c) above. The report shall include an assessment of what measures can be adopted in the future to minimise such occurrences.

FAILURE OF UV MEASUREMENT SYSTEMS

24. In the event of failure of any measurement system used in the control of the UV dosing system:
- (a) the maximum available number of duty banks of UV lamps shall be automatically activated;
 - (b) the minimum applied UV dose, at maximum effluent flow rates and 45% UV transmittance (at 254nm), shall not be less than 43mWs/cm².

TELEMETRY

25. A telemetry alarm system connected to a 24-hour manned station shall be provided and maintained by the Discharger to provide a warning in the event that:
- (a) the external power supply to the UV disinfection system has been interrupted;
 - (b) failure of any measurement system used to control the UV dosing system has occurred;
 - (c) a Discharge of sewage effluent has occurred which had not been subjected to the required UV dose as specified in condition 5 of this consent.



EMERGENCY NOTIFICATION

26. The Discharger shall notify the Agency in the event of a Discharge of sewage effluent which has not been subjected to the required UV dose as specified in condition 5 of this consent. Such notification must be made as soon as practicable and no later than 24 hours after the event.

POWER

27. Full stand-by power generation facilities shall be provided and maintained by the Discharger in good working order to enable automatic resumption of power to the UV disinfection system in the event of external power supply failure.

MONITORING

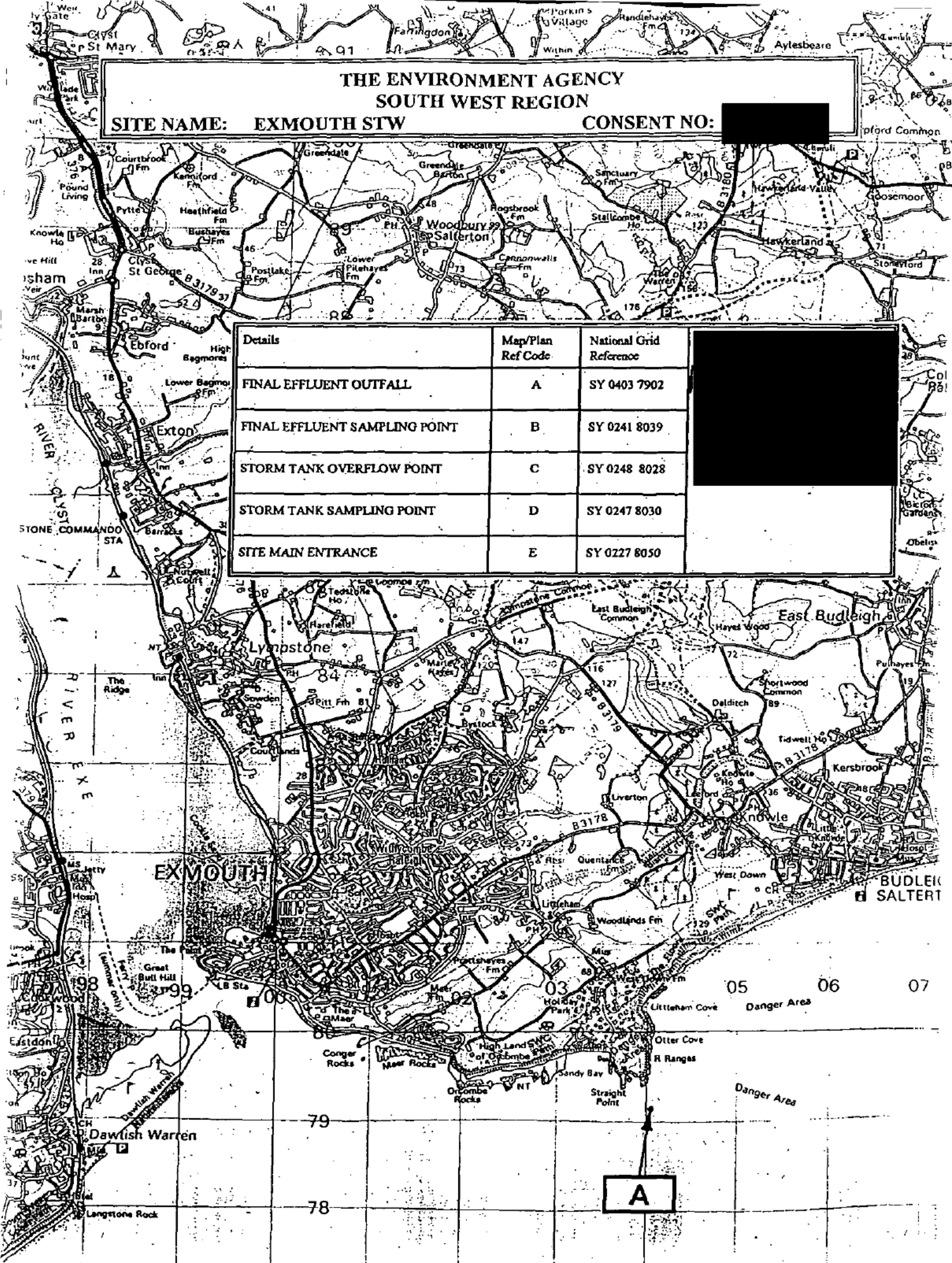
28. The Discharger shall carry out the monitoring programme as detailed in Annex 3 during the commissioning period and for the period as specified in condition 5 of this consent.

THE ENVIRONMENT AGENCY SOUTH WEST REGION

SITE NAME: EXMOUTH STW

CONSENT NO: [REDACTED]

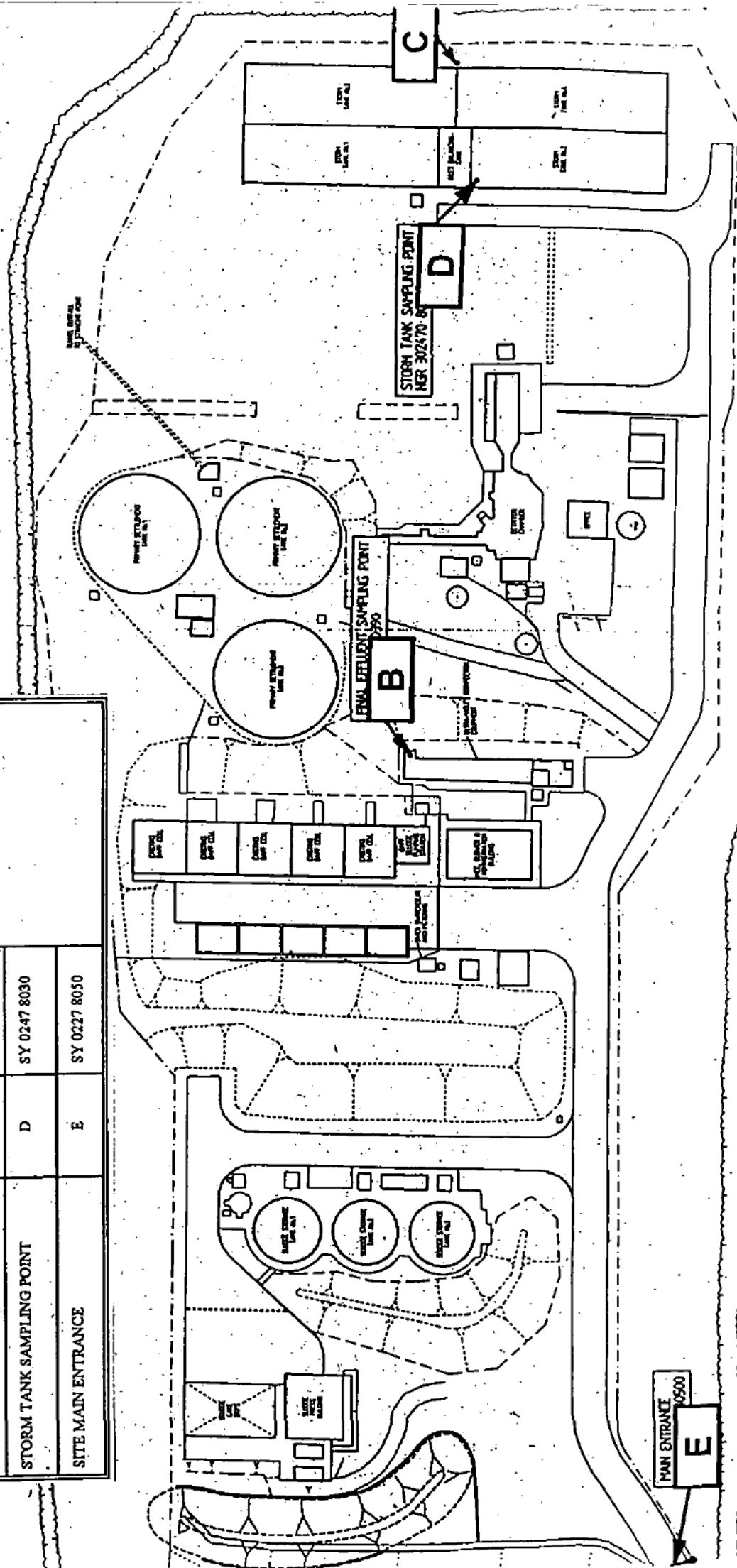
Details	Map/Plan Ref Code	National Grid Reference
FINAL EFFLUENT OUTFALL	A	SY 0403 7902
FINAL EFFLUENT SAMPLING POINT	B	SY 0241 8039
STORM TANK OVERFLOW POINT	C	SY 0248 8028
STORM TANK SAMPLING POINT	D	SY 0247 8030
SITE MAIN ENTRANCE	E	SY 0227 8050



THE ENVIRONMENT AGENCY
SOUTH WEST REGION

SITE NAME: EXMOUTH STW CONSENT NO. [REDACTED]

Details	Map/Plan Ref Code	National Grid Reference
FINAL EFFLUENT OUTFALL	A	SY 0403 7902
FINAL EFFLUENT SAMPLING POINT	B	SY 0241 8039
STORM TANK OVERFLOW POINT	C	SY 0248 8028
STORM TANK SAMPLING POINT	D	SY 0247 8030
SITE MAIN ENTRANCE	E	SY 0227 8050



CONSENT No:

FILE REF:

ANNEX 1

TABLE FOR ASSESSMENT OF CONSENT COMPLIANCE

COLUMN (1)	COLUMN (2)
Series of samples taken in any one year.	Maximum permitted number of samples which fail to conform to numerical limits.
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

CONSENT No:

FILE REF:

ANNEX 2

LIST OF RELEVANT SUBSTANCES FOR NOTIFICATION

Aldrin, dieldrin, endrin and isodrin
Arsenic
Atrazine
Azinphos-ethyl
Azinphos-methyl
Boron
Cadmium & its compounds
Carbon tetrachloride
Chloroform
Chromium
Copper
Cyanide
Cyfluthrin
DDT
1,2-Dichloroethane
Dichlorvos
Dioxins
Endosulfan
Fenitrothion
Fenthion
Flucifuron
Hexachlorobenzene (HCB)
Hexachlorobutadiene (HCBd)
Hexachlorocyclohexane
(lindane & related compounds)

Iron
Lead
Malathion
Mercury & its compounds
Nickel
Parathion
Parathion-methyl
PCSD's
Pentachlorophenol
Perchloroethylene
Permethrin
Polychlorinated biphenyls
Simazine
Sulcofuron
Tetrachloroethylene
Tributyltin compounds
Trichlorobenzene
Trichloroethene
Trichloroethylene
Trifluralin
Triphenyltin compounds
Vanadium
Zinc

ANNEX 3

MONITORING PROGRAMME

1. SAMPLE POINTS

- (i) Crude influent to sewage treatment works.
- (ii) Secondary treated sewage effluent before UV disinfection.
- (iii) Secondary treated sewage effluent after UV disinfection.

2. MICROBIAL DETERMINANDS AND FREQUENCIES

- (i) Faecal Coliforms fortnightly, at sample points 1, 2 and 3.
- (ii) Faecal Streptococci fortnightly, at sample points 1, 2 and 3.
- (iii) Representative enteroviruses fortnightly, at sample points 2 and 3.
- (iv) F-specific bacteriophage fortnightly, at sample points 2 and 3.

3. OTHER DETERMINANDS AND FREQUENCIES

The measurement of all determinands below shall coincide with the measurement of microbial determinands. At each sample point, samples for analysis should preferably be sub-sampled from a single bulk sample. Where this cannot be achieved, the sampling regime shall be clearly recorded.

Flow

The flow shall be measured at the inlet to each UV channel.

Intensity and received dose

The intensity and received dose shall be measured at a representative point within each bank of lamps.



ANNEX 3

UV transmittance (at 254 nm)

The UV transmittance (at 254 nm) of the sample from sample point 2 shall be measured.

OR

The UV transmittance (at 254 nm) shall be measured at the inlet to each channel.

Suspended solids and BOD (ATU)

Suspended solids and BOD(ATU) shall be measured at sample point 2.

4. REPORTING

Results of the monitoring programme are to be supplied to the Agency via a data report in a format to be agreed with the Agency every 2 months with a final report by 31 October each year.

CODE OF PRACTICE OF UV DISINFECTION

The following paragraphs reflect good practice which the Agency expects the Discharger to adhere to. Failure to comply with this code of practice may result in modifications or addition of consent conditions in future reviews of the consent referred to below.

Reference to 'Consent' in this code of practice is a reference to:

Consent No:

for the making of a Discharge of: UV Disinfected Sewage

from: Maer Lane STW

to: Lyme Bay

1. DISCHARGE OUTSIDE PERIOD

Prior notification to the Agency is required where the Discharger intends to operate the disinfection process outside of the period specified in the consent.

Note: Disinfection by means other than UV disinfection is not permitted by the consent and will require the further consent of the Agency.

2. MAINTENANCE OF SYSTEM

The UV disinfection system shall be provided and maintained to ensure that its hydraulic characteristics and the path length of the UV irradiation are such that, during the required period of disinfection, the effluent is subjected to the UV dose specified in the consent.

CODE OF PRACTICE OF UV DISINFECTION

3. APPLIED OR RECEIVED DOSE CALCULATION (ANNEX COP/1)

The applied or received UV dose (as defined in the attached Annex COP/1) shall be determined from:

- (i) the flow rate of effluent through the UV disinfection system (l/s),
 - (ii) the reactor volume,
 - (iii) the measured UV transmittance for the effluent (at 254nm) or an assumed UV transmittance of 45% (or such higher value as specified in the consent) and;
 - (iv) in the case of the received dose, the measured UV intensity,
- or, in the case of the applied dose, the rated output (mW) of the UV lamps which are energised.

If the UV transmittance drops below its consented level then the Agency will consider immediate introduction of additional conditions to ensure that the effluent is of adequate quality for effective disinfection.

4. DISINFECTION DURING COMMISSIONING

- (a) For UV disinfection systems commissioned in the period March to September inclusive, the UV dose specified in the consent must be exceeded at all times, following commissioning of the works, during the first bathing season. (The bathing season is defined as 1 May - 30 September inclusive).
- (b) For UV disinfection systems commissioned in the period October to February inclusive, then, prior to the start of the first bathing season following commissioning and after consideration by the Agency of the initial results of the monitoring programme required by the consent, the condition referring to the UV dose may be modified for application prior to the first bathing season.

5. MAINTENANCE OF CONTINUOUS RECORDERS

The continuous recorders shall be checked and calibrated at yearly intervals and a certificate of calibration shall be made available for inspection by the Agency.

CODE OF PRACTICE OF UV DISINFECTION

6. STANDBY POWER GENERATION

The UV disinfection system and stand-by power generation facilities shall be operated so as to minimise the frequency and duration of a Discharge which has not been subjected to the required UV dose as specified in the consent.

7. MAINTENANCE OF THE UV DISINFECTION PROCESS

- (a) A maintenance programme, including the method and frequency of cleaning and replacement of the UV lamps/UV radiation monitors, shall be undertaken by the Discharger. Details of the programme shall be provided to the Agency for agreement.
- (b) Any failure to meet the requirements of the agreed maintenance programme shall be advised to the Agency as soon as practicable and a report providing an explanation of the circumstances provided to the Agency within 2 weeks.
- (c) The Discharger shall keep records of the maintenance undertaken (both programmed and un-programmed) and shall include the measured UV intensity readings immediately before and immediately after each UV lamp/UV monitor cleaning or replacement. Copies of these records shall be maintained by the Discharger and kept conveniently available for inspection by the Agency's officers at all reasonable times.
- (d) The Discharger shall supply to the Agency, on a monthly basis, records of the maintenance undertaken and the measured UV intensity readings as referred to in (c) above. The format of such a report shall be provided to the Agency for agreement.

APPENDIX COP/1

CALCULATION OF UV DOSE

The Discharger shall provide a dose measured system that allows a relationship between received dose and microbial performance to be established.

Definitions

For each bank of UV lamps, UV dose is defined as the product of the UV light intensity (impacting on wastewater passing through the bank) and the retention time (of wastewater passing through the bank).

The following terms are defined for each UV irradiation channel.

REACTOR VOLUME is the volume of wastewater at any given time passing through the banks of UV lamps.

ADJUSTED RETENTION TIME is the reactor volume divided by the measured rate of flow into the UV channel.

THEORETICAL UV INTENSITY is the predicted average UV intensity across the reactor volumes, at an assumed UV transmittance for the effluent (at 254nm) of 45% (or such higher value as specified in the consent) predicted from the rated output (mW) of the UV lamps which are energised.

MEASURED UV INTENSITY is the predicted average UV intensity (mW/cm²) across the reactor volumes, calculated from the measured UV transmittance (at 254nm) for the effluent (or such UV transmittance value as specified in the consent) and the UV intensity measured (at positions within the reactors agreed with the Agency in writing) for each operating bank of UV lamps.

Calculations

1. **APPLIED UV DOSE = THEORETICAL UV INTENSITY X ADJUSTED RETENTION TIME**
2. **RECEIVED UV DOSE = MEASURED UV INTENSITY X ADJUSTED RETENTION TIME**

The method of measuring/estimating UV intensity at this site must be clearly defined.

In the absence of a requirement in the consent for on-line measurement of UV transmittance (254nm), the UV transmittance to UV intensity ratio may be assumed as constant.

NOTE: The method of calculating APPLIED UV DOSE and RECEIVED UV DOSE will be amended to take account of measured variations in effluent transmittance once suitable equipment for on-line measurement of UV transmittance (254nm) has been installed. See manufacturer's technical specification for further information.

APPENDIX COP/1

CALCULATION OF UV DOSE

The Consent Holder shall provide a dose measured system that allows a relationship between received dose and microbial performance to be established.

Definitions

For each bank of UV lamps, UV dose is defined as the product of the UV light intensity (impacting on wastewater passing through the bank) and the retention time (of wastewater passing through the bank).

The following terms are defined for each UV irradiation channel.

REACTOR VOLUME is the volume of wastewater at any given time passing through the banks of UV lamps.

ADJUSTED RETENTION TIME is the reactor volume divided by the measured rate of flow into the UV channel.

THEORETICAL UV INTENSITY is the predicted average UV intensity across the reactor volumes, at an assumed UV transmittance for the effluent (at 254nm) of 45% (or such higher value as specified in the consent) predicted from the rated output (mW) of the UV lamps which are energised.

MEASURED UV INTENSITY is the predicted average UV intensity (mW/cm²) across the reactor volumes, calculated from the measured UV transmittance (at 254nm) for the effluent (or such UV transmittance value as specified in the consent) and the UV intensity measured (at positions within the reactors agreed with the Agency in writing) for each operating bank of UV lamps.

Calculations

1. **APPLIED UV DOSE = THEORETICAL UV INTENSITY X ADJUSTED RETENTION TIME**
2. **RECEIVED UV DOSE = MEASURED UV INTENSITY X ADJUSTED RETENTION TIME**

The method of measuring/estimating UV intensity at this site must be clearly defined.

In the absence of a requirement in the consent for on-line measurement of UV transmittance (254nm), the UV transmittance to UV intensity ratio may be assumed as constant.

NOTE: The method of calculating APPLIED UV DOSE and RECEIVED UV DOSE will be amended to take account of measured variations in effluent transmittance once suitable equipment for on-line measurement of UV transmittance (254nm) has been installed. See manufacturer's technical specification for further information.



CODE OF PRACTICE OF UV DISINFECTION

7. MAINTENANCE OF THE UV DISINFECTION PROCESS

- a. A maintenance programme, including the method and frequency of cleaning and replacement of the UV lamps/UV radiation monitors, shall be undertaken by the Consent Holder. Details of the programme shall be provided to the Agency for agreement.
- b. Any failure to meet the requirements of the agreed maintenance programme shall be advised to the Agency as soon as practicable and a report providing an explanation of the circumstances provided to the Agency within 2 weeks.
- c. The Consent Holder shall keep records of the maintenance undertaken (both programmed and un-programmed) and shall include the measured UV intensity readings immediately before and immediately after each UV lamp/UV monitor cleaning or replacement. Copies of these records shall be maintained by the Consent Holder and kept conveniently available for inspection by the Agency's officers at all reasonable times.
- d. The Consent Holder shall supply to the Agency, on request, records of the maintenance undertaken and the measured UV intensity readings as referred to in (c) above. The format of such a report shall be provided to the Agency for agreement.



CODE OF PRACTICE OF UV DISINFECTION

iv. in the case of the received dose, the measured UV intensity,

or,

in the case of the applied dose, the rated output (mW) of the UV lamps which are energised.

If the UV transmittance drops below its consented level then the Agency will consider immediate introduction of additional conditions to ensure that the effluent is of adequate quality for effective disinfection.

4. DISINFECTION DURING COMMISSIONING

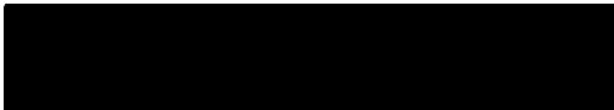
- a. For UV disinfection systems commissioned in the period March to September inclusive, the UV dose specified in the consent must be exceeded at all times, following commissioning of the works, during the first bathing season. (The bathing season is defined as 1 May - 30 September inclusive).
- b. For UV disinfection systems commissioned in the period October to February inclusive, then, prior to the start of the first bathing season following commissioning and after consideration by the Agency of the initial results of the monitoring programme required by the consent, the condition referring to the UV dose may be modified for application prior to the first bathing season.

5. MAINTENANCE OF CONTINUOUS RECORDERS

The continuous recorders shall be checked and calibrated at yearly intervals and a certificate of calibration shall be made available for inspection by the Agency.

6. STANDBY POWER GENERATION

The UV disinfection system and stand-by power generation facilities shall be operated so as to minimise the frequency and duration of a Discharge which has not been subjected to the required UV dose as specified in the consent.



CODE OF PRACTICE OF UV DISINFECTION

The following paragraphs reflect good practice which the Agency expects the Consent Holder to adhere to. Failure to comply with this code of practice may result in modifications or addition of consent conditions in future reviews of the consent referred to below.

Reference to 'Consent' in this code of practice is a reference to:



for the making of a Discharge of: UV Disinfected and Secondary Treated Sewage.

from: Exmouth (Maer Lane) Sewage Treatment Works.

to:



1. DISCHARGE OUTSIDE PERIOD

Prior notification to the Agency is required where the Consent Holder intends to operate the disinfection process outside of the period specified in the consent.

Note: Disinfection by means other than UV disinfection is not permitted by the consent and will require the further consent of the Agency.

2. MAINTENANCE OF SYSTEM

The UV disinfection system shall be provided and maintained to ensure that its hydraulic characteristics and the path length of the UV irradiation are such that, during the required period of disinfection, the effluent is subjected to the UV dose specified in the consent.

3. APPLIED OR RECEIVED DOSE CALCULATION (ANNEX COP/1)

The applied or received UV dose (as defined in the attached Annex COP/1) shall be determined from:

- i. the flow rate of effluent through the UV disinfection system (l/s),
- ii. the reactor volume,
- iii. the measured UV transmittance for the effluent (at 254nm) or an assumed UV transmittance of 45% (or such higher value as specified in the consent)

and;



ANNEX 3

UV transmittance (at 254 nm)

The UV transmittance (at 254 nm) of the sample from sample point (ii) shall be measured.

Suspended solids and BOD (ATU)

Suspended solids and BOD(ATU) shall be measured at sample point (ii).

4. REPORTING

Results of the monitoring programme are to be supplied to the Agency via a data report in a format and at a frequency required by the Agency.



ANNEX 3

MONITORING PROGRAMME

1. SAMPLE POINTS

- i. Crude influent to sewage treatment works.
- ii. Secondary treated sewage effluent before UV disinfection.
- iii. Secondary treated sewage effluent after UV disinfection.

2. MICROBIAL DETERMINANDS AND FREQUENCIES

- i. Faecal Coliforms fortnightly, at sample points (i), (ii) and (iii).
- ii. Faecal Streptococci fortnightly, at sample points (i), (ii) and (iii).
- iii. Total Coliforms fortnightly, at sample points (i), (ii) and (iii).
- iv. Salmonella fortnightly, at sample points (ii) and (iii).
- v. Representative enteroviruses fortnightly, at sample points (ii) and (iii).
- vi. F-specific bacteriophage fortnightly, at sample points (ii) and (iii)..

3. OTHER DETERMINANDS AND FREQUENCIES

The measurement of all determinands below shall coincide with the measurement of microbial determinands. At each sample point, samples for analysis should preferably be sub-sampled from a single bulk sample. Where this cannot be achieved, the sampling regime shall be clearly recorded.

Flow

The flow shall be measured at the inlet to each UV channel.

Intensity and received dose

The intensity and received dose shall be measured at a representative point within each bank of lamps.



ANNEX 2

TABLE FOR ASSESSMENT OF CONSENT COMPLIANCE

COLUMN (1)	COLUMN (2)
Series of samples taken in any one year.	Maximum permitted number of samples which fail to conform to numerical limits.
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

Annex 1

1. Mercury and its compounds.
2. Cadmium and its compounds.
3. Hexachlorocyclohexane (lindane and related compounds)
4. Carbon tetrachloride
5. DDT (the isomers of 1,1,1-trichloro-2,2-bis(p-chlorophenyl) ethane)
6. Pentachlorophenol (PCP)
7. Aldrin
8. Dieldrin
9. Endrin
10. Isodrin
11. Hexachlorobenzene (HCB)
12. Hexachlorobutadiene (HCBd)
13. Chloroform
14. Polychlorinated biphenyls
15. Dichlorvos
16. 1,2-Dichloroethane
17. Trichlorobenzene
18. Atrazine
19. Simazine
20. Tributyltin compounds
21. Triphenyltin compounds
22. Trifluralin
23. Fenitrothion
24. Azinphos-methyl
25. Malathion
26. Endosulfan
27. Lead
28. Chromium
29. Zinc
30. Copper
31. Nickel
32. Arsenic
33. *Iron
34. *pH if outside the range 5.5 to 9.0
35. *Boron
36. Vanadium
37. PCSD'S
38. Cyfluthrin
39. Sulcofuron
40. Flucofuron
41. Permethrin
42. 4-Chloro-3-methyl-phenol
43. 2-Chlorophenol
44. 2,4-Dichlorophenol
45. 2,4-D (ester)
46. 2,4-D (non ester)
47. 1,1,1-Trichloroethane
48. 1,1,2-Trichloroethane
49. Bentazone
50. Benzene
51. Biphenyl
52. Chloronitrotoluenes
53. Demeton
54. Dimethoate
55. Linuron
56. MCPA
57. Mecoprop
58. Mevinphos
59. Napthalene
60. Omethoate
61. Toluene
62. Triazophos
63. Xylene
64. Cyanide
65. Azinphos-ethyl
66. Fenthion
67. Parathion
68. Parathion-methyl
69. Trichloroethylene
70. Tetrachloroethylene
71. Dioxins
72. PAHs
73. Nonyl phenol
74. Nonyl phenyl ethoxylate
75. Di-ethylhexyl phthalate
76. Bisphenol-A
77. Diazinon
78. Chlorfenvinphos
79. Chlorotoluron
80. Isoproturon
81. Diuron
82. Propetamphos
83. Flumethrin
84. Amitraz
85. High-Cis Cypermethrin
86. Cyromazine
87. Deltamethrin
88. Cypermethrin

* Notification to the Agency by the Consent holder is only required in respect to trade effluents likely to cause significant changes to the pH value, and/or iron or boron concentrations, of the crude sewage.

CONSENT NO	
FILE REFERENCE	

WATER RESOURCES ACT 1991 SECTION 88 - SCHEDULE 10
(as amended by the Environment Act 1995)

CONSENT TO DISCHARGE

TO: SOUTH WEST WATER LIMITED ("The Holder")
PENINSULA HOUSE
RYDON LANE
EXETER
EX2 7HR

The Environment Agency ("The Agency") in pursuance of its powers under the Water Resources Act 1991 (as amended by the Environment Act 1995) **HEREBY CONSENTS** to the making of the following Discharge(s):-

ULTRA VIOLET DISINFECTED SEWAGE

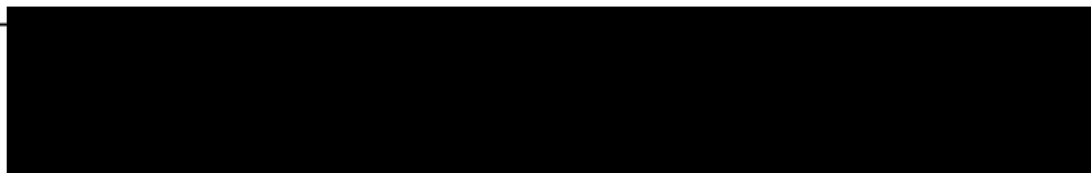
FROM: EXMOUTH (MAER LANE) SEWAGE TREATMENT WORKS

AT: MAER LANE
EXMOUTH
DEVON

TO: LYME BAY

SUBJECT TO the conditions set out in the following schedule(s):
FU/02

Subject to the provisions of Paragraphs 7 and 8 of Schedule 10 of the Water Resources Act 1991 (as amended by the Environment Act 1995), no notice shall be served by the Agency, altering the consent without the agreement in writing of the Discharger, during a period of 2 years from the date the consent takes effect or such later date as may be specified in an endorsement to the document.



CONSENT NO.	
SCHEDULE NO.	
DATE ISSUED	

CONDITIONS OF CONSENT TO DISCHARGE

U V DISINFECTED AND SECONDARY TREATED SEWAGE ("the Discharge")

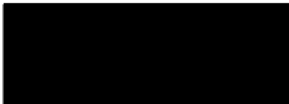
FROM: EXMOUTH (MAER LANE) SEWAGE TREATMENT WORKS

WORKS OPERATION

1.
 - a. The works shall be operated and effluent shall be treated in a manner which, so far as reasonably practicable, minimises the polluting effects of the discharge made from the works on controlled waters.
 - b. This condition does not require
 - i. any alteration of the works or a change in the type of treatment used.
 - ii. any higher standard to be achieved in relation to any characteristic of the discharge which is specifically regulated by conditions 15, 16, 17 and 18 than is required by those conditions;

SUBSTANTIAL CHANGE

2.
 - a. A discharge shall not be made from the works if it would cause a significant increase in the polluting effects of the discharge on controlled waters as a result of a new or altered discharge of trade effluent into the works.
 - b. A discharge of trade effluent into the works is new if
 - i. it is made by the sewerage undertaker and is of a kind not made into the works by the undertaker immediately before the date of this notice; or
 - ii. it is made by a third party and the discharge is authorised on or after that date.
 - c. A discharge of trade effluent into the works is altered if
 - i. it is made by the sewerage undertaker and its composition or quantity changes significantly on or after the date of this notice; or
 - ii. it is made by a third party and the alteration of the discharge is authorised on or after that date.

- 
- d. An increase in the polluting effects of the discharge on controlled waters is not significant for the purposes of this condition if it relates to any characteristic of the discharge which is specifically regulated by conditions 15, 16, 17 and 18 of this schedule but it may be significant if it is caused by a change in some other characteristic of the discharge.
 - e. For the purposes of this condition "trade effluent" means
 - i. any discharge by a sewerage undertaker other than domestic sewage from premises connected directly or indirectly to the works; or surface water run-off;
 - ii. any discharge by a third party which is authorised under Chapter III of Part IV of the Water Industry Act 1991 or which is only accepted as a result of a contract with the sewerage undertaker.

UNAUTHORISED DISCHARGES

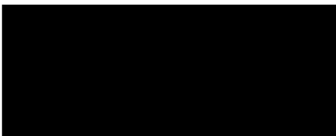
- 3. a. A discharge made from the works shall not contain any poisonous, noxious or polluting matter or solid waste matter which is attributable to any unauthorised discharge into the works.
- b. A discharge into the works is unauthorised if it is made by a third party and either there is no obligation to receive it or conditions subject to which there is an obligation to receive it are not observed.
- c. Nothing in this, or any other, condition of this schedule prevents anyone from relying on any defence available to them under section 87 of the Water Resources Act 1991.

CHANGE IN TRADE EFFLUENT INPUTS

- 4. The Consent Holder shall notify the Agency in writing if any known introduction or material change, in respect of discharges from trade premises to the sewerage system, occurs that may increase or introduce into the effluent any "dangerous substance" included on Lists I, II, or Red List (set out in Annex 1 to this notice as updated by the Agency from time to time, and notified to the Consent Holder in writing), or any other substance considered by the Consent Holder as having or likely to have a significant effect on the receiving waters.

DATE THAT CONDITIONS OF THE SCHEDULE HAVE EFFECT

- 5. This schedule shall take effect on the date of signature of this consent.



NATURE OF THE DISCHARGE

6. The Discharge shall consist solely of secondary treated sewage which has been disinfected by means of ultra violet (UV) irradiation.

For the purpose of this schedule, disinfection is defined as the use of a process designed specifically to reduce the number of viable, potentially infectious micro-organisms in the Discharge.

7. a. The Discharge shall be disinfected by means of UV irradiation from an artificial source (at least 75% of the available UV radiation emitted in the wavelength range 250-260nm). A received UV dose of 43 mWs/cm² must be exceeded subject to condition 7(b) below.
- b. The received UV dose must exceed the limit set out in condition 7(a) for at least 99% of the measurements (as required by condition 23) in any period of twelve months. In addition, it must exceed this limit for at least 90% of the measurements in any period of 24 hours (midnight to midnight).
- c. The received UV dose required by condition 7(a) and the applied UV dose required by condition 25(b) may be amended by the Agency at any time. The Holder shall implement such changes within a period notified by the Agency.
- d. The periods when the received UV dose limit set out in condition 7(a) is not exceeded shall not be used by the Holder for the maintenance of the UV plant.

PLACE OF DISCHARGE

8. The Discharge shall be made in the manner and at the place specified as:
- a. discharging via a pipe terminating with a diffuser section consisting of two risers each having four ports.
- b. discharging to Lyme Bay.
- c. at National Grid Reference SY0379 7919, being a reasonable conversion from the largest scale Admiralty chart including the waters described in paragraph (b) above.



SAMPLE POINTS

9. An appropriately labelled sample point shall be provided and maintained at National Grid Reference SY 0241 8039, so that a representative sample of the Discharge may be obtained. The Consent Holder shall ensure that all constituents of the Discharge pass through the said sampling point at all times and in any legal proceedings it shall, for the purposes of Section 10 of the Rivers (Prevention of Pollution) Act 1961, be presumed, until the contrary is shown that any sample of the Discharge taken at the said sampling point is a sample of what was discharging into controlled waters.

VOLUME

10. a. The Dry Weather Flow of the Discharge shall not exceed 9186 cubic metres per day.
- b. For the purpose of this schedule Dry Weather Flow shall mean the average daily flow to the 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 one day.
11. The rate of Discharge shall not exceed 273 litres per second.
12. Flow measurement structures shall be provided and maintained to enable the daily volume and instantaneous flow rate of the Discharge to be measured or determined as required.
- a. In addition to the basic measurement structure, a continuous flow recorder, to an agreed specification, with on-site visual display from which readings can be readily obtained, shall be provided and maintained to enable the daily volume and instantaneous flow of the Discharge to be recorded.
- b. Copies of the readings shall be maintained by the Consent Holder and be provided to the Agency as and when requested.
- c. The recorder shall be calibrated and maintained on a regular basis to ensure that it is reading to an agreed standard. The Consent Holder shall keep a record of the calibration results available for inspection by the Agency.
13. a. Continuous recording, with on-site visual display from which readings may be readily obtained, shall be provided and maintained by the Consent Holder enabling:
- i. the instantaneous flow rate at the inlet to each UV irradiation channel to be recorded at hourly or more frequent intervals;

- 
- ii. the received UV dose and the measured UV intensity at the points of measurement for each bank of UV lamps to be measured and recorded at hourly, or more frequent, intervals.
 - b. Copies of the records shall be maintained by the Consent Holder for a minimum of 2 years or such longer time as the Agency may from time to time specify and be kept at a nominated place available for inspection by the Agency's officers at all reasonable times.
 - c. The Consent Holder shall supply to the Agency, on request, records of the inlet flow rates to the UV channels, the applied and received UV dose, the measured UV intensity and the parameters used in calculating the dose, in a format to be agreed with the Agency.
14. Flows through full treatment shall be measured at NGR SY 0241 8039.

COMPOSITION

15. a. Subject to paragraph (b) below, the Discharge shall not contain more than;
- i. 40 milligrams per litre of biochemical oxygen demand (measured after 5 days at 20°C with nitrification suppressed by the addition of allylthiourea)
 - ii. 60 milligrams 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) 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 2 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.
16. The Discharge shall not contain more than 80 milligrams per litre of biochemical oxygen demand (measured after 5 days at 20°C with nitrification suppressed by the addition of allylthiourea).
17. The Discharge shall not contain more than:
- a. 0.163 milligrams per litre of Total Zinc.
 - b. 0.201 milligrams per litre of Total Lead.
 - c. 1.448 milligrams per litre of Total Copper.
 - d. 140.0 nanograms per litre of Hexachlorocyclohexane.

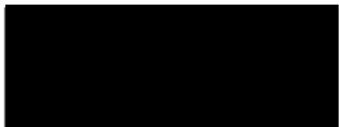
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18. The Discharge shall not have a pH less than 6 or greater than 9.
19. As far as is reasonably practicable, the works shall be operated so as to prevent the Discharge from containing any significant trace of visible oil or grease.

MAINTENANCE

20. The works shall be operated and maintained in accordance with good operational practice such that:
- a. it remains fully operational except at times of unavoidable mechanical or electrical breakdown which shall be attended to and returned to normal operation as soon as practicable after the failure;
 - b. the Agency shall be informed of any failure that may have adversely affected effluent quality, as soon as practicable after the failure;
 - c. tanks shall be desludged at sufficient frequency and in such a manner to prevent excessive carryover of suspended solids.
21. The Consent Holder shall maintain the outfall pipe and diffusers in an effective operational condition, so as to minimise the probability of blockages or other failures, and shall implement periodic inspections of the integrity and performance of the outfall pipe and diffusers.

UNUSUAL WEATHER CONDITIONS

22. 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 conditions contained in paragraphs 15, 16 and 20 of this schedule 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 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 affect.
 - 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

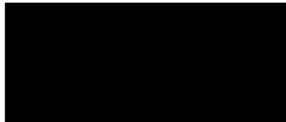
- 23.
 - a. The Consent Holder shall establish and operate a documented maintenance programme and record all non-routine actions undertaken that may have adversely affected effluent quality. Copies of the programme shall be made available for inspection by the Agency's officers at all reasonable times.
 - 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.

CLAUSES APPLICABLE TO UV

ANNUAL REPORT TO THE AGENCY

- 24. The Consent Holder shall supply to the Agency, in October each year, a written report detailing all occurrences where, at any time:
 - a. the external power supply to the UV disinfection system was interrupted;
 - b. there were any failures of any measurement system used to control the UV dosing system;
 - c. a Discharge of sewage effluent was made which had not been subjected to the required UV dose as specified in conditions 7 and 25 of this schedule.

The report shall detail the reasons why the situation occurred, the actions taken by the Consent Holder and the volume/duration of any Discharges made as described in (c) above. The report shall include an assessment of what measures can be adopted in the future to minimise such occurrences.



FAILURE OF UV MEASUREMENT SYSTEMS

25. In the event of failure of any measurement system used in the control of the UV dosing system:
- a. the maximum available number of duty banks of UV lamps shall be automatically activated;
 - b. the minimum applied UV dose, at maximum effluent flow rates and 45% UV transmittance (at 254nm), shall not be less than 43mWs/cm².

TELEMETRY

26. A 24 hour response alarm system, shall be provided and maintained to provide a notification in the event that:
- a. the external power supply to the UV disinfection system has been interrupted;
 - b. failure of any measurement system used to control the UV dosing system has occurred;
 - c. a Discharge of sewage effluent has occurred which had not been subjected to the required UV dose as specified in conditions 7 and 25 of this schedule.

EMERGENCY NOTIFICATION

27. The Consent Holder shall notify the Agency, as soon as practicable after receipt of a telemetry warning, that sewage effluent which has not been subjected to the required UV dose as specified in conditions 7 and 25 of this schedule has occurred. Such notification must be made no later than 24 hours after the event.

POWER

28. Full stand-by power generation facilities shall be provided and maintained by the Consent Holder in good working order to enable automatic resumption of power to the UV disinfection system in the event of external power supply failure.

MONITORING

29. The Consent Holder shall carry out the monitoring programme as detailed in Annex 3.

UWWTD

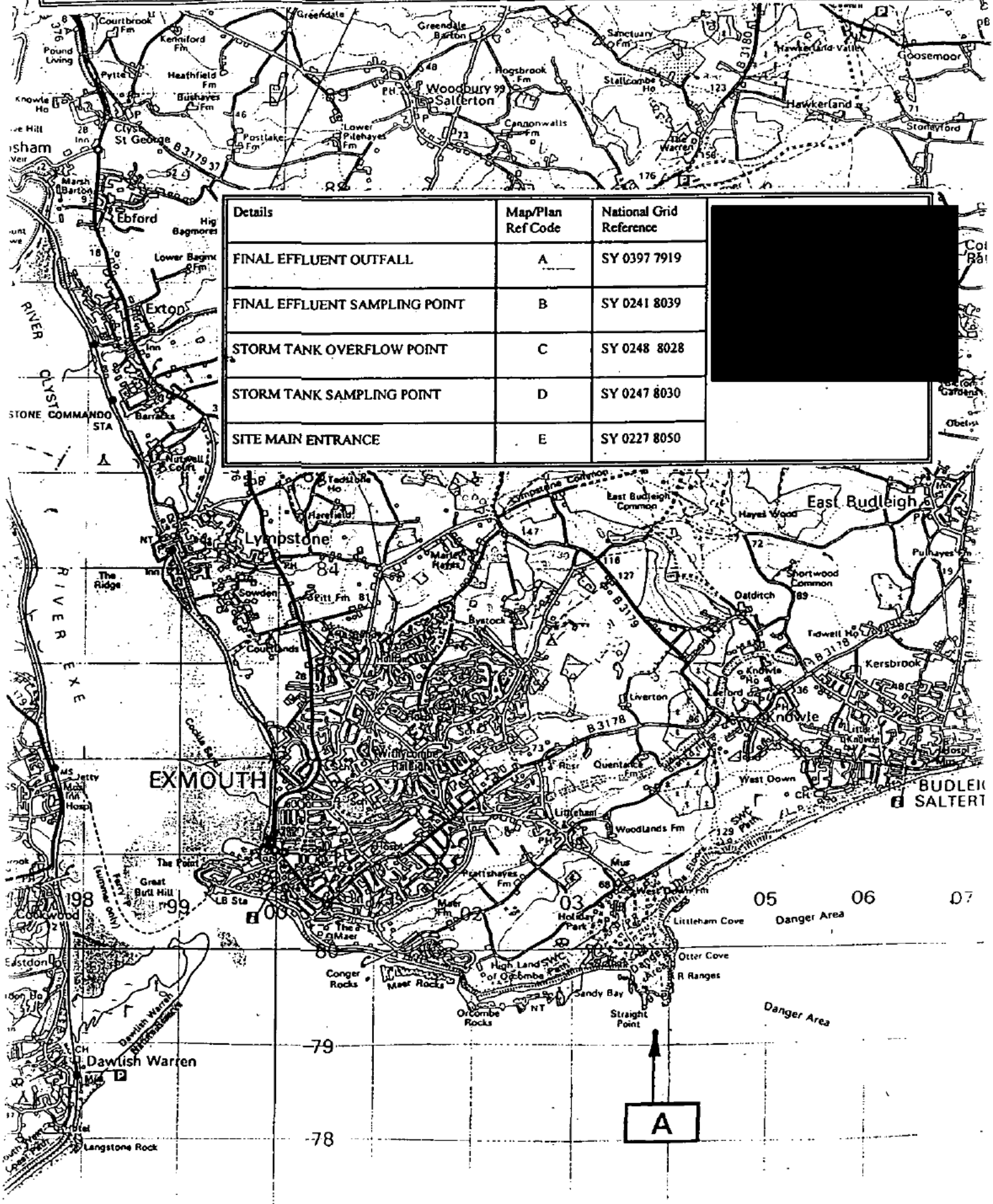
- 30.
 - a. The Consent Holder shall comply with the Urban Waste Water Treatment (England and Wales) Regulations 1994 ('the Regulations').
 - b. For the purpose of conditions 31 and 32 below, interpretations and references to a numbered regulation or Schedule shall have the meaning as in the Regulations, unless otherwise indicated.
- 31.
 - a. The Discharge derives from an agglomeration with a population equivalent of between 15,000 and 150,000, discharging to coastal waters.
 - b. The Consent Holder shall inform the Agency in writing of any change, or proposed change, to the population equivalent such as would make a material change to the application of the Regulations and shall, on request, inform the Agency in writing of the actual population equivalent.
 - c. The Discharge shall be subject to Regulation 5(1) and shall satisfy the relevant requirements of Part I of Schedule 3.
- 32.
 - a. The Consent Holder shall provide apparatus for the purpose of:
 - i. measuring or recording the volume, rate of flow, nature, composition or temperature, and
 - ii. collecting samples of any waste water, as is necessary to ensure compliance with paragraph (b) below.
 - b.
 - i. The Consent Holder shall monitor the Discharge to verify compliance with the requirements of condition 31(c) above in accordance with control procedures as set out in Part II of Schedule 3.
 - ii. The Consent Holder shall carry out comprehensive studies to the satisfaction of the Agency where he intends to apply to the Agency for certification under Regulation 5(5)(b).
 - c. The Consent Holder shall provide to the Agency any information collected in complying with paragraph (b) above in a manner agreed with the Agency.
- 33. Condition 32 above shall apply for the purpose of verifying compliance with the Directive from the date as specified in the relevant paragraph of Regulation 5 as incorporated into this schedule under condition 31(c) above.

THE ENVIRONMENT AGENCY
SOUTH WEST REGION

SITE NAME: EXMOUTH (MAER LANE) STW

CONSENT NO: [REDACTED]

Details	Map/Plan Ref Code	National Grid Reference
FINAL EFFLUENT OUTFALL	A	SY 0397 7919
FINAL EFFLUENT SAMPLING POINT	B	SY 0241 8039
STORM TANK OVERFLOW POINT	C	SY 0248 8028
STORM TANK SAMPLING POINT	D	SY 0247 8030
SITE MAIN ENTRANCE	E	SY 0227 8050

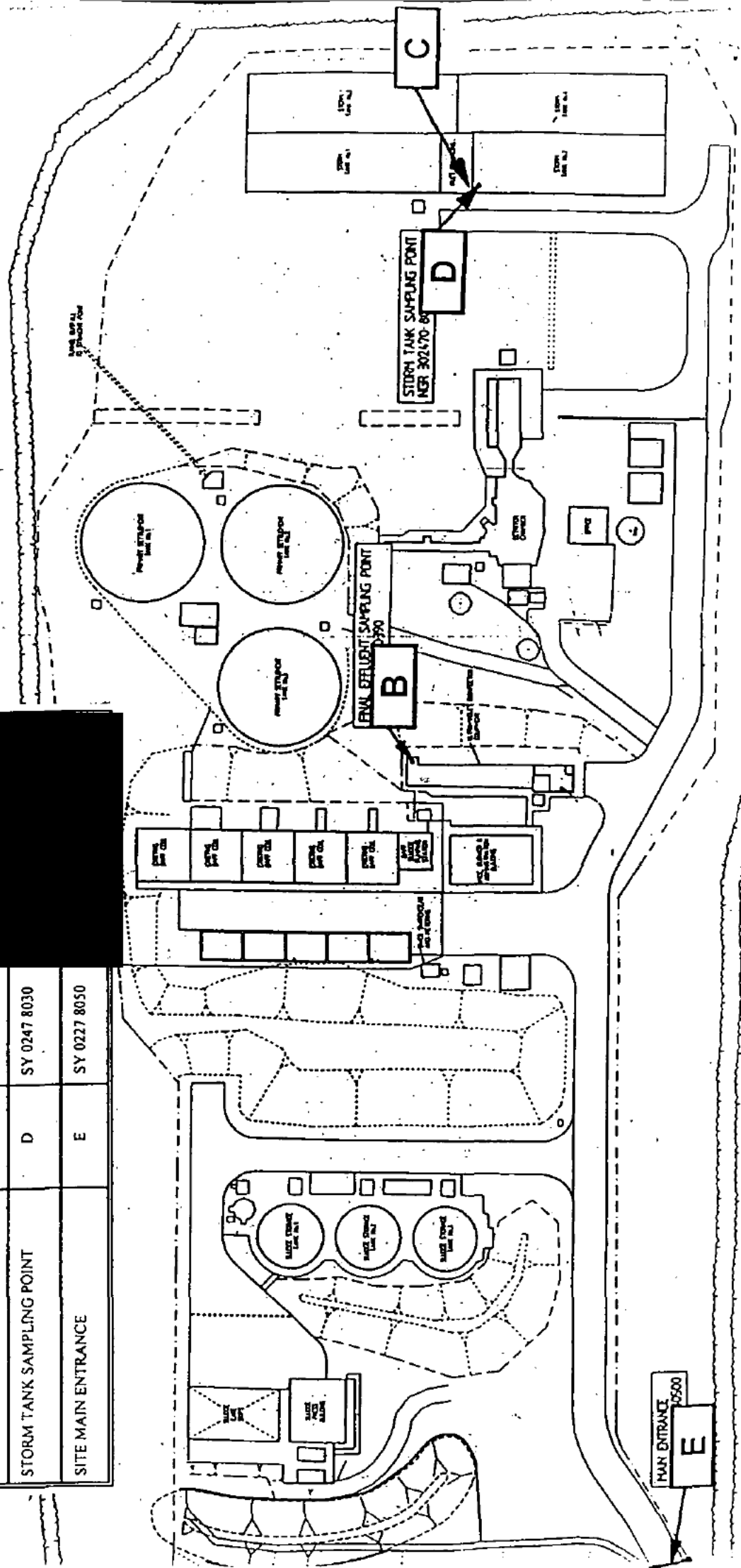


THE ENVIRONMENT AGENCY
SOUTH WEST REGION

SITE NAME: EXMOUTH (MAER LANE) STW

CONSENT NO: 003174/FU/02

Details	Map/Plan Ref Code	National Grid Reference
FINAL EFFLUENT OUTFALL	A	SY 0397 7919
FINAL EFFLUENT SAMPLING POINT	B	SY 0241 8039
STORM TANK OVERFLOW POINT	C	SY 0248 8028
STORM TANK SAMPLING POINT	D	SY 0247 8030
SITE MAIN ENTRANCE	E	SY 0227 8050



**ENVIRONMENT AGENCY
SOUTH WEST REGION**

NOTICE OF REVOCATION OF CONSENT

**WATER RESOURCES ACT 1991 SECTION 88 AND SCHEDULE 10
(AS AMENDED BY THE ENVIRONMENT ACT 1995)**

The Environment Agency, South West Region in pursuance of Schedule 10(6) of the Water Resources Act 1991 (as amended by the Environment Act 1995) has reviewed the consent to:

discharge **Treated Sewage Effluent**
from **Exmouth Sewage Treatment Works, Maer Lane**
described in Consent Number 
issued by **The Environment Agency, South West Region**
on 

Therefore take Notice that the said consent shall be **revoked from the date of signature**, and any discharge made under that consent should cease from that date.,

If you are not satisfied with the terms of this Revocation Notice, you may appeal to the Secretary of State for the Environment, Transport and the Regions, Planning Inspectorate, Room 10/13, Tollgate House, Houlton Street, Bristol BS1 9DJ. Any appeal must be made before this revocation takes effect. A notice of appeal must specify the grounds for appeal. It should be accompanied by copies of this notice, relevant correspondence and any other document relevant to your appeal. The notice of appeal must also be copied to The Regional Water Quality Manager, Environment Agency, Manley House, Kestrel Way, Exeter EX2 7LQ

Colin Rogers

Principal Scientist (Scheme Support)

South West Water

Exeter Laboratory

Bridge Road

Countess Wear

Exeter

Devon:

EX2 7AA

Our ref: SWW CAREER 06

Your reference is noted. Thank you.

1990

1997-1998

Date: 7 September 2006

● 1990年 1月 1日 起施行

CONFIDENTIAL

14-00000

For all your other needs, visit

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100-443887-100

Dear Colin

This letter is a formal notification of changes to the efficacy monitoring programmes required by discharge consents granted by the Agency. It outlines the Agency's revised efficacy monitoring requirements for waste water treatment works incorporating disinfection which are operated by South West Water. These revised monitoring requirements will be effective from 1st October 2006.

Currently, microbial efficacy samples are collected from up to three sampling points within the works. This is being reduced to just one sampling point and the determinand suites are being reduced.

The table attached provides details of which sampling points no longer require efficacy monitoring, and which one continues to require efficacy monitoring, along with other relevant details including the sites and discharge consents to which this applies, and the determinands required.

The modified microbial efficacy sampling will be for the following determinands, based on Agency assessments of impact:

- 1 Discharges impacting on Bathing Waters
Faecal Coliforms
Faecal Streptococci
- 2 Discharges not impacting on Bathing waters
Faecal Coliforms

Manley House, Kestrel Way, Exeter, EX2 7LQ
Customer services line: 08708 506 506
Email: enquiries@environment-agency.gov.uk
www.environment-agency.gov.uk

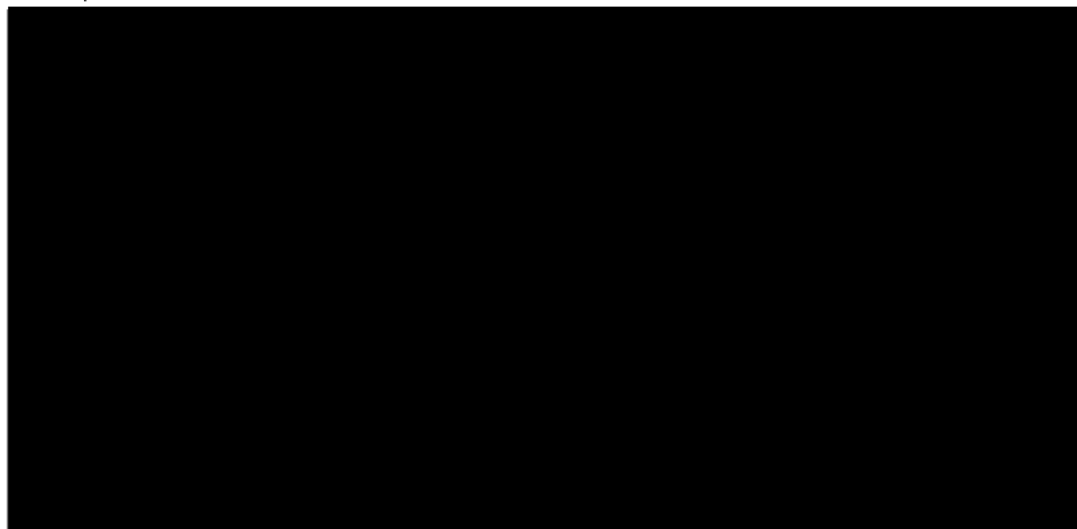


The required microbial determinands are given in the table.

There is also a current requirement for the measurement of other determinands coincident with the measurement of microbial determinands. The determinands and sample locations will remain the same, but with the removal from the determinand suite of UV transmittance by laboratory analysis and BOD (ATU).

The frequency of sampling required for all determinands above is either as specified in the consent, or as subsequently specified in writing where reduced monitoring has already been introduced. The table gives the sampling frequencies, which are therefore unchanged from current sampling frequencies. Reductions in sampling frequencies at qualifying sites may be possible in future years – we are currently revising our policy on this, and we will not be considering any additional sites for reduced monitoring until 2007.

Finally, with respect to reporting of the data to the Agency, the format should remain essentially the same as the current format, but all fields relating to redundant sampling points and determinands should be omitted.



Attached: Table showing details for 55 sites

South West Water

Site Name	Consent Number	Original Consent Date	Date of Relevant Consent Modification	Condition Number	Sample Points no longer requiring Efficacy Monitoring	Sample Point Requiring Revised Efficacy Monitoring	Revised Microbial Determinands	Frequency of sampling	Comments e.g. SW or BW
AVITON OXFORD STW	201987	04/02/2002	NA	1.8.5	A, B	C	FC	Fortnightly	SW, Applied Dose
BARNSTAPLE (AIRFORD) STW	002481/FL01	17/08/1997	23/01/2003	23.4	X, Y	B	FC, FS	Fortnightly	SW & BW, Resealed Dose
BRIXTON STW	202280	24/03/2004	NA	1.8.5	14 Crude Effluent (AL) 1st Biologically Treated Effluent before UV (C)	1st Biologically Treated Effluent after UV (D)	FC	Fortnightly	SW, Measured Applied Dose
CARLETON STW	203096	27/02/2004	NA	1.8.5	F, C	D	FC	Fortnightly	SW, Measured Applied Dose
CHILMINGTON & PRODMORE STW	203442	14/02/2006	NA	1.8.5	A, B	C	FC	Fortnightly	SW, Measured Applied Dose
COBE MARTIN SEWAGE TREATMENT WORKS	002073	28/03/1997	22/01/2003	19.4	D, E	B	FC, FS	Fortnightly	SW, Applied Dose
CONSTANTINE STW	203447	14/08/2002	NA	1.8.5	A, B	C	FC	Fortnightly	SW, Applied Dose
CORNEDOROUGH STW	202889	09/12/2002	NA	1.8.5	A, B	C	FC, FS	Fortnightly	SW & BW, Measured Applied Dose
CROYDE SEWAGE TREATMENT WORKS	201127	14/07/2001			A, C	D	FC, FS	Fortnightly	SW, Applied Dose
DARTMOUTH STW	202384	24/08/2002	NA	1.8.5	B, E	C	FC, FS	Fortnightly	SW & BW, Applied Dose
DAWULSH SEWAGE TREATMENT WORKS	200819	19/05/2000	28/01/2003	1.13.3	C, D	B	FC, FS	Fortnightly	SW, Resealed Dose
DETTENHAM STW MER	202711	12/08/2003	NA	1.8.5	A	B	FC	Fortnightly	SW, Maximum Filtration
ENNERBETLE SEWAGE TREATMENT WORKS	201142	03/11/2000	19/12/2002	1.13.3	F, G, H	B	FC	Fortnightly	SW, Applied Dose
EXETER (COURTENDEN WEAR) STW	202475	08/07/2003	NA	1.8.5	B, D	E	FC	Fortnightly	SW, Applied Dose
EXMOUTH SEWAGE TREATMENT WORKS	002147/FL02	08/10/1998	28/01/2003	23.4	X, Y	B	FC, FS	Fortnightly	SW, Resealed Dose
FALMOUTH SEWAGE TREATMENT WORKS	202942	24/12/2002	NA	1.8.5	A, B	C	FC, FS	Fortnightly	SW & BW, Resealed Dose
FOWEY SEWAGE TREATMENT WORKS	202320	11/01/2003	NA	1.8.5	A, B	C	FC, FS	Fortnightly	SW & BW, Applied Dose
GALUMPTON (HOPE COVE) STW	202412	21/03/2002	NA	1.8.5	B, D	C	FC, FS	Fortnightly	SW, Applied Dose
GORRANHAVEN STW	202118/FL01	02/12/1995	17/01/2003	20.4	X, Y	B	FC, FS	Weekly	SW, Resealed Dose
HOUSETON SEWAGE TREATMENT WORKS	202413	21/05/2002	NA	1.8.5	B, D	C	FC, FS	Fortnightly	SW, Applied Dose
LEFRACOMBE STW	002071/FL01	25/03/1997	22/01/2003	19.4	X, Y	Z	FC, FS	Fortnightly	SW, Applied Dose
KENTON AND STANCORES STW	202341	05/08/2002	NA	1.8.5	A, B	C	FC	Fortnightly	SW, Applied Dose
KINGSBRIDGE STW	202323	19/01/2000	NA	1.8.5	A, B	C	FC	Fortnightly	SW, Measured Applied Dose
LADOCK VALLEY STW	202308	19/02/2003	NA	1.8.5	A, B	C	FC	Fortnightly	SW, Applied Dose
LEWISDALE (DOCK HALL) STW	1994-BW-2708	28/04/1992	01/04/2000	73.4	A, B	C	FC, FS	Fortnightly	SW, Maximum Applied Dose

Site Name	Consent Number	Original Consent Date	Date of Relevant Consent Modification	Condition Number	Sample Points no longer requiring Efficacy Monitoring	Sample Point Requiring Revised Efficacy Monitoring	Revised Microbial Determinands	Frequency of sampling	Comments e.g. SW or BW
LOOSE STW	300914	11/06/2000	28/6/2000	21.1	A, C	D	PC, PB	Monthly	BW, Resealed Date
LYNE RESDS (LAINES) STW	002086/PL01	30/06/1989	04/02/2000	22.1	C, D	B	PC, PB	Monthly	BW, Resealed Date
LYMOUTH STW NBR	202401	28/04/2002	NA	1.8.5	A	B	PC, PB	Fortnightly	BW, Maintenance Flotation
MALBOROUGH STW	011086/PL01	14/01/1987	09/01/2000	21.1	B, F	B	PC, PB	Fortnightly	BW & BW, Resealed Date
MYLOR BRIDGE STW	202006	18/12/2002	NA	1.8.8	A, B	C	PC	Fortnightly	BW, Applied Date
NEWQUAY SEWAGE TREATMENT WORKS	300611	24/09/2000	18/01/2000	1.12.5	C, D	B	PC, PB	Fortnightly	BW, Resealed Date
OTTERTON SEWAGE TREATMENT WORKS	202411	12/06/2002	NA	1.8.9	B, C	D	PC, PB	Fortnightly	BW, Measured Applied Date
PERCRAPOURTH STW	202049	22/10/2004	NA	1.8.9	A, B	C	PC, PB	Biweekly	BW, Resealed Date
PLYMOUTH CABLES HEAD STW	202000	25/03/2004	NA	1.8.9	A, B	C	PC	Fortnightly	BW, Measured Applied Date
PLYMOUTH CENTRAL STW	203017	22/12/2006	NA	1.8.9	D, E	C	PC, PB	Fortnightly	BW, Measured Applied Date
NORTHALLON SEWAGE TREATMENT WORKS	300688	14/09/1989	06/02/2000	1.8.1	B, C	D	PC, PB	Monthly	BW, Resealed Date
NORTHELLY SEWAGE TREATMENT WORKS	014344	28/09/1989	18/01/2000	23.1	C, D	B	PC, PB	Fortnightly	BW & BW, Resealed Date
NORTHLEVEN STW (TREDREW PARK)	002083/PL01	09/12/1989	06/02/2000	21.1	C, D	B	PC, PB	Fortnightly	BW, Resealed Date
NORTHTONIAN STW	202457	21/06/2002	NA	1.8.9	A, B	C	PC, PB	Fortnightly	BW, Applied Date
OSINGTON & DONCHERRY STW	200816/PL01	24/03/1989	18/02/2000	20.1	C, D	B	PC, PB	Fortnightly	BW, Resealed Date
SAITON STW	202003	18/06/2000	NA	1.8.9	A, B	C	PC, PB	Fortnightly	BW, Applied Date
SENGMOUTH SEWAGE TREATMENT WKS	202004	24/11/1989	29/01/2000	22.1	B, C	D	PC, PB	Fortnightly	BW, Resealed Date
ST JAMES STW	002086/PL01	03/04/1987	06/02/2000	21.1	X, Y	B	PC, PB	Fortnightly	BW, Applied Date
ST ALBERT MEMORIAL STW	001294	12/03/2001	09/01/2000	1.8.1	B, F	B	PC, PB	Fortnightly	BW, Resealed Date
ST ALBERT NORTH STW	011114/149	13/09/1980	01/02/2008	8.3.1	A, B	C	PC, PB	Fortnightly	BW, Measured Applied Date
ST COLLINS STW	001206/PL01	09/12/1989	18/01/2000	20.1	B, F	B	PC, PB	Fortnightly	BW, Resealed Date
ST DANIEL STW	202003	28/01/2000	NA	1.8.9	A, B	C	PC	Fortnightly	BW, Applied Date
ST NEWLYN EAST STW	NR1-BW-4025	09/01/1989	09/01/2000	9.1	A, B	C	PC, PB	Fortnightly	BW, Applied Date
TORBAY BROCKENBURY QUARRY STW	200078	25/11/1989	10/12/2002	24.1	D, C	B	PC, PB	Fortnightly	BW, Resealed Date
WIMBORNE STW	200090	09/04/2004	NA	1.8.9	NA Biologically treated sewage after UV (D)	NA Biologically treated sewage after UV (D)	PC	Fortnightly	BW, Measured Applied Date

bi Crude Income (C), as Strategically Invested

South West Water

Site Name	Consent Number	Original Consent Date	Date of Relevant Consent Modification	Condition Number	Sample Points no longer requiring Efficacy Monitoring	Sample Point Requiring Revised Efficacy Monitoring	Revised Microbial Determinands	Frequency of sampling	Comments e.g. SW or BW
TRISCHELS SEWAGE TREATMENT WORKS	20288	24/02/2004	NA	1.3.5	C, D	B	PC, PB	Periphrasy	SW, Applied Data (prior/Consent) never available; PC + PB replaced by PC + PB
TRILING (NEWHAG) STW	20287	19/02/2002	NA	1.3.5	B, C	D	PC	Periphrasy	SW, Measured Applied Data
WADSWORTH STW	20287	24/02/2004	NA	1.3.5	14 Ourside Inlet (C), 14 Biological Inlet (average before UV (D))	14 Biological Inlet (average after UV (B))	PC	Periphrasy	SW, Measured Applied Data
WEST CHARLTON STW	20288	17/02/2004	NA	1.3.5	A, B	C	PC	Periphrasy	SW, Measured Applied Data
WOLLCOMBS SEWAGE TREATMENT WORKS	20291	28/02/2004	02/12/2002	1.3.5	A, B	C	PC, PB	Periphrasy	SW, Applied Data