Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

South West Water Limited

Wastewater treatment works at Yealmpton
Stray Park
Yealmpton
Plymouth
Devon
PL8 2HF

Variation number

300436/V003

Permit number

300436

Wastewater treatment works at Yealmpton
Permit number 300436

Introductory note

This introductory note does not form a part of the notice.

Under the Environmental Permitting (England & Wales) Regulations 2016 (schedule 5, part 1, paragraph 19) a variation may comprise a consolidated permit reflecting the variations and a notice specifying the variations included in that consolidated permit.

Schedule 1 of the notice specifies the conditions that have been varied and schedule 2 comprises a consolidated permit which reflects the variations being made. Only the variations specified in schedule 1 are subject to a right of appeal.

This permit variation and consolidation is to reflect asset improvements that have been agreed between the Environment Agency and South West Water Limited as part of the National Environment Programme. The improvements include the provision of a new storm tank to achieve the spill frequency requirement under the S1 driver and emergency overflow storage and improved screening has been delivered in order to comply with EA policy. These improvements should be completed by the agreed delivery date of 31st March 2018.

The status log of a permit sets out the permitting history, including any changes to the permit reference number. It is not backdated before 6 April 2010.

Status log of the permit		
Description	**Date**	**Comments**
Variation determined 300436/V001	07/07/2011	pH condition deleted
Variation determined 300436/V001	16/09/2016	PR14 EDM with telemetry conditions imposed on the settled storm overflow and the inlet pumping station overflows. Permit consolidated with 302313. (the incorrect variation extension was used – this should have been V002)
Environment Agency initiated variation 300436/V003	01/04/2015	Variation of permit initiated under PR14 review programme to incorporate improvements to be delivered under AMP6
Variation determined 300436	18/09/2018	Varied and consolidated permit issued in modern condition format.

End of introductory note

Notice of variation and consolidation

The Environmental Permitting (England and Wales) Regulations 2016

The Environment Agency in exercise of its powers under regulation 20 of the Environmental Permitting (England and Wales) Regulations 2016 varies and consolidates

Permit number

300436

Issued to

South West Water Limited ("the operator")

whose registered office is

Peninsula House
Rydon Lane
Exeter
Devon
EX2 7HR

company registration number 02366665

to operate water discharge activities at

Yealmpton Wastewater Treatment Works
Stray Park
Yealmpton
Plymouth
Devon
PL8 2HF

to the extent set out in the schedules.

The notice shall take effect from 18/09/2018

Name	Date
Ben Evans	**18/09/2018**

Authorised on behalf of the Environment Agency

Schedule 1

Only conditions 2.3.1, 3.3.3, 4.3.3, Schedule 1 Table S1.2, Schedule 3 Table S3.1, S3.2, S3.3 & S3.4, Schedule 4 Table S4.1 & S4.2, Schedule 6 and Schedule 7 have been varied by the consolidated permit 300436 as a result of an Environment Agency initiated variation.

Schedule 2 – consolidated permit

Consolidated permit issued as a separate document.

Permit

The Environmental Permitting (England and Wales) Regulations 2016

Permit number

300436

This is the consolidated permit referred to in the variation and consolidation notice for variation 300436/V003 authorising,

South West Water Limited ("the operator")

whose registered office is

Peninsula House
Rydon Lane
Exeter
Devon
EX2 7HR

company registration number 02366665

to operate water discharge activities at

Yealmpton Wastewater Treatment Works
Stray Park
Yealmpton
Plymouth
Devon
PL8 2HF

to the extent authorised by and subject to the conditions of this permit.

Name	Date
Ben Evans	**18/09/2018**

Authorised on behalf of the Environment Agency

Conditions

1 Management

1.1 General management

1.1.1 The operator shall manage and operate the activities:

(a) in accordance with a written management system that identifies and minimises risks of pollution so far as is reasonably practicable, including those risks arising from operations, maintenance, accidents, incidents, non-conformances and those drawn to the attention of the operator as a result of complaints; and

(b) using sufficient competent persons and resources.

1.1.2 Records demonstrating compliance with condition 1.1.1 shall be maintained.

1.1.3 Any person having duties that are or may be affected by the matters set out in this permit shall have convenient access to a copy of the permit.

2 Operations

2.1 Permitted activities

2.1.1 The only activities authorised by the permit are the activities specified in schedule 1 table S1.1.

2.2 The site

2.2.1 The discharge activities shall take place at the discharge points marked on the site plan at schedule 7 to this permit, and as listed in table S3.2; and, the operating techniques that are the subject of conditions prefixed by 2.3 shall be applied at the locations shown, or otherwise described, in schedule 7.

2.3 Operating techniques

2.3.1 For the activities A2, A3 and A4 referenced in schedule 1, table S1.1 the activities shall, subject to the conditions of this permit, be operated using the techniques and in the manner described in the documentation specified in schedule 1, table S1.2, unless otherwise agreed in writing by the Environment Agency.

2.3.2 For the activity A1 referenced in schedule 1, table S1.1 the operator shall comply with the relevant requirements of the Urban Waste Water Treatment (England and Wales) Regulations 1994.

2.3.3 For the discharge(s) specified in table S3.3:

(a) The discharge shall only occur when and only for as long as the flow passed forward is equal to or greater than the overflow setting indicated due to rainfall and/or snow melt.

(b) Off-line storm storage must be fully utilised before a discharge occurs. It shall only fill when the flow passed forward is equal to or greater than the overflow setting indicated due to rainfall and/or snow melt and shall be emptied and its contents returned to the continuation flow as soon as reasonably practicable. The minimum off-line storm storage required is specified in table S3.3.

(c) On-line storm storage must be fully utilised before a discharge occurs. It shall only fill with the excess flows due to rainfall and/or snow melt. The storage shall be emptied and its contents

returned to the continuation flow as soon as reasonably practicable. The minimum on-line storm storage required is specified in table S3.3.

(d) The discharge shall not be comminuted or macerated and shall have passed through screens as specified and shall not contain a significant quantity of solid matter with a particle size greater than any indicated. All screenings shall be removed from the discharge.

(e) Where a mechanically cleaned screen is installed, a telemetry alarm system shall be installed and maintained, as far as reasonably practicable, so as to give the operator immediate notification of a failure of the screen cleaning mechanism, unless otherwise agreed in writing by the Environment Agency. The operator shall take all appropriate measures to return the screen cleaning mechanism to normal operation as soon as reasonably practicable after receipt of notification of the failure.

(f) Event duration monitoring telemetry equipment shall be installed and maintained, as far as reasonably practicable, so as to give the operator notification as soon as reasonably practicable, of a failure of the event duration monitoring equipment, unless otherwise agreed in writing by the Environment Agency. The operator shall take all appropriate measures to return event duration monitoring equipment to normal operation as soon as reasonably practicable after receipt of notification of the failure.

3 Emissions and monitoring

3.1 Emissions to water

3.1.1 The limits given in schedule 3 table S3.1 shall not be exceeded.

3.1.2 The limits in schedule 3 table S3.1 to which this condition applies 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 schedule 3A, no more than the relevant number of samples, as listed in column 2 of schedule 3A, exceed the applicable limit for that relevant parameter.

3.1.3

(a) For the emission limits in schedule 3 table S3.1 to which this condition applies, no sample of the discharge taken at a time when unusual weather conditions are adversely affecting the operation of the waste water treatment works, shall be taken into account in deciding whether or not the emission limit has been complied with.

(b) On any occasion where unusual weather conditions adversely affect the operation of the waste water treatment works, the operator shall use its best endeavours to mitigate that adverse effect.

(c) For any sample of the discharge taken to be considered for the purposes of (a) above, the operator shall notify the Environment Agency in writing within 14 days of becoming aware that an emission limit has been exceeded. That notification shall include a full description of the unusual weather conditions and their impact on the operation of the works.

3.1.4

(a) If the measured Dry Weather Flow exceeds the permitted Dry Weather Flow limit then the operator shall, as soon as is practicable, investigate the reasons for the exceedance. The operator shall report the reasons for the exceedance to the Environment Agency and the steps that it proposes to take to restore compliance. An exceedance of the Dry Weather Flow limit shall not be recorded as a failure if the operator takes appropriate steps to restore compliance;

(b) If the measured Dry Weather Flow exceeds the permitted Dry Weather Flow limit because of unusual rainfall during the 12-month period, then it will not be recorded as a failure of the Dry Weather Flow limit. For the purposes of this condition, unusual rainfall shall mean rainfall that

causes significantly higher sewage flows during the three-month period that normally records the lowest flows;

(c) The permitted Dry Weather Flow limit is set at the operator's planned annual 80% exceeded flow;

(d) For compliance with this permit, the measured Dry Weather Flow is that total daily volume that is exceeded by 90% of the recorded measured total daily volume values in any period of 12 months; and

(e) For unusual rainfall to be considered, the operator shall notify the Environment Agency and provide supporting evidence as part of the normal specified data returns.

3.2 Emissions of substances not controlled by emission limits

3.2.1 For the activity A1 referenced in schedule 1, table S1.1 the operator shall take appropriate measures to minimise so far as reasonably practicable the polluting effects of the emissions of substances in the discharge not controlled by emission limits (excluding odour).

3.3 Monitoring

3.3.1 The operator shall, unless otherwise agreed in writing by the Environment Agency, undertake the monitoring specified in the following tables in schedule 3 to this permit:

(a) point source emissions specified in tables S3.1 and S3.4;

3.3.2 The operator shall maintain records of all monitoring required by this permit.

3.3.3 Monitoring equipment, techniques, personnel and organisations employed for the emissions monitoring programme specified in condition 3.3.1 shall have either MCERTS certification or MCERTS accreditation (as appropriate), where available, unless otherwise agreed in writing by the Environment Agency.

3.3.4 Accessible monitoring points shall be provided and maintained to enable the emissions monitoring programme and/or other monitoring to be carried out at the monitoring points specified in table S3.4 of schedule 3 and shown marked on the site plan in schedule 7.

3.3.5 The monitoring programme for the parameters subject to schedule 3B shall be:

(a) pre-scheduled to cover a calendar year and the programme recorded before the start of a calendar year sample period; and

(b) spot samples collected at approximately equal intervals during the year, including samples from different days of the week and different times. Approximately 10% of samples should be outside the normal sampling window which is 9am-3pm, Monday to Friday.

3.3.6 After becoming aware, or following a notification that a sample has not been taken on the schedule 3B Monitoring Programme pre-scheduled date, or is lost, or a result for that sample cannot be reported, the operator shall record the details and reschedule the sample.

3.3.7 For the activities A2, A3 and A4 referenced in schedule 1, table S1.1 an event duration monitoring telemetry system shall be installed and maintained, as far as reasonably practicable so as to give the operator data available of discharge occurrence (start and stop) at the frequency defined in table S3.1.

4 Information

4.1 Records

4.1.1 All records required to be made by schedule 3, 4 and 5 to this permit shall:

(a) be legible;

(b) be made as soon as reasonably practicable;

(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 Environment Agency, for at least 6 years from the date when the records were made.

4.1.2 The operator shall maintain convenient access, in either electronic or hard copy, to the records, plan and management system required to be maintained by this permit.

4.2 Reporting

4.2.1 The operator shall send all reports and notifications required by the permit to the Environment Agency using the contact details supplied in writing by the Environment Agency.

4.2.2 Within the time period after the end of the reporting period specified in schedule 4 table S4.1 the operator shall, unless otherwise agreed in writing by the Environment Agency, submit reports of the monitoring and assessment carried out in accordance with the conditions of this permit, as follows:

(a) in respect of the parameters and monitoring points specified in schedule 4 table S4.1;

(b) for the reporting periods specified in schedule 4 table S4.1 and using the forms specified in schedule 4 table S4.2; and

(c) giving the information from such results and assessments as may be required by the forms specified in those tables.

4.2.3

(a) The operator shall supply the relevant Local Food Authority / Environmental Health Authority with an annual written report of the operation of the settled storm and storm sewage overflow, to include date, start time and duration of each spill in accordance with the format provided by the Environment Agency.

(b) Provision of this report will coincide with the annual classification under the EU Food Hygiene Regulations (852/853/854). The report shall cover the 12 month period 1 January – 31 December inclusive, and shall be provided by the end of the following February.

4.3 Notifications

4.3.1 The Environment Agency shall be notified as soon as reasonably practicable following detection, within the site of the regulated facility of:

(a) any malfunction, breakdown or failure of equipment or techniques, accident, or emission of a substance not controlled by an emission limit which has caused, is causing or may cause significant pollution; and

(b) any breach of a limit specified in schedule 3 table S3.1 (including individual exceedances of limits which are covered by condition 3.1.2).

Any other significant adverse environmental effects, which may have been caused by the activity, shall also be notified to the Environment Agency as soon as reasonably practicable following detection.

4.3.2 The information provided under condition 4.3.1 shall be supported by sending the information listed in schedule 5 to this permit within the time period specified in that schedule.

4.3.3 Where the Environment Agency has requested in writing that it shall be notified when the operator is to undertake monitoring and/or spot sampling specified in schedule 3B, the operator shall inform the Environment Agency when the relevant monitoring and/or spot sampling is to take place. The operator shall provide this information to the Environment Agency at least 14 days before the date the monitoring is to be undertaken.

4.3.4 The Environment Agency shall be notified within 14 days of the occurrence of the following matters, except where such disclosure is prohibited by Stock Exchange rules:

Where the operator is a registered company:

(a) any change in the operator's trading name, registered name or registered office address; and

(b) any steps taken with a view to the operator going into administration, entering into a company voluntary arrangement or being wound up.

Where the operator is a corporate body other than a registered company:

(a) any change in the operator's name or address; and

(b) any steps taken with a view to the dissolution of the operator.

4.3.5 For the activity A1 referenced in schedule 1, table S1.1 where the operator proposes to make a change in the nature of the activity by increasing the concentration of, or the addition of, or allowing the introduction of, a substance to the activity to an extent that the operator considers could have a significant adverse environmental effect on the receiving waters, and the change is not permitted by emission limits specified within schedule 3 table S3.1 or the subject of an application for approval under the EP Regulations or under the terms of this permit:

(a) the Environment Agency shall be notified in writing at least 14 days before the increase or addition or allowing the introduction; and

(b) the notification shall contain a description of the proposed change.

4.3.6 The operator shall notify the Local Food Authority / Environmental Health Authority in the event of the discharge of sewage in an emergency from any discharge points listed in schedule 3 Table S3.2. 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 operator.

4.3.7 For the activity A1 referenced in schedule 1, table S1.1 the operator shall inform the Environment 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 Environment Agency in writing of the actual population equivalent.

4.4 Interpretation

4.4.1 In this permit the expressions listed in schedule 6 shall have the meaning given in that schedule.

4.4.2 In this permit references to reports and notifications mean written reports and notifications, except where reference is made to notification being made "as soon as reasonably practicable", in which case it may be provided by telephone.

Schedule 1 – Operations

Table S1.1 Activities		
Activity reference	**Description of activity**	**Limits of specified activity**
A1	Discharge of secondary treated sewage effluent via Outlet 1	N/A
A2	Discharge of settled storm sewage via Outlet 2	N/A
A3	Discharge of storm sewage via Outlet 3	N/A
A4	Discharge of sewage in an emergency via Outlet 3	An emergency shall be defined as the period when the sewage pumping station is inoperative as a result of one or more of the following, which is not due to the act or default of the operator, its agents, representatives, officers, employees or servants; • electrical power failure; • mechanical breakdown of duty and standby pumps; • rising main failure; • blockage of the downstream sewer.

Table S1.2 Operating techniques			
Activity reference	Description of documentation	Parts	Date Received
A4	OT1 – Pumping Station Emergency Discharge Key Protection Measures – Version 2	All	23/08/2018
A2, A3 & A4	OT2 – Yealmpton SPS & STW SSO- Operating Techniques – Version 2 – July 2018	All	23/08/2018

Schedule 2 – Waste types, raw materials and fuels

Schedule 2 not in use.

Schedule 3 – Emissions and monitoring

Table S3.1 Point Source emissions to water (other than sewer) – emission limits and monitoring requirements						
Effluent(s) and discharge point(s)	**Parameter**	**Limit (including unit)**	**Reference Period**	**Limit of effective range**	**Monitoring frequency**	**Compliance Statistic**
A1 Secondary treated sewage effluent via Outlet 1	Dry weather flow	250 m^3/day	Total daily volume	N/A	Continuous	Condition 3.1.4 applies
	15-minute instantaneous or averaged flow	No limit set. Record as l/s	15 minute	N/A	Continuous	N/A
	ATU-BOD as O_2	35 mg/l	Instantaneous (spot sample)	N/A	As specified in schedule 3B	Look up table (Conditions 3.1.2 and 3.1.3 apply)
	Ammoniacal nitrogen (expressed as N)	30 mg/l	Instantaneous (spot sample)	N/A	As specified in schedule 3B	Look up table (Conditions 3.1.2 and 3.1.3 apply)
	Suspended solids (measured after drying at 105^oC)	70 mg/l	Instantaneous (spot sample)	N/A	As specified in schedule 3B	Look up table (Conditions 3.1.2 and 3.1.3 apply)
	Visible oil or grease	No significant trace present so far as is reasonably practicable	Instantaneous (visual examination)	N/A	N/A	No significant trace (Condition 3.1.3 applies)
A2 Settled storm sewage via Outlet 2	Settled storm sewage discharge event duration monitoring (discharge / no discharge)	N/A	N/A	Condition 3.3.3 does not apply	2 minute	N/A

Table S3.1 Point Source emissions to water (other than sewer) – emission limits and monitoring requirements						
Effluent(s) and discharge point(s)	**Parameter**	**Limit (including unit)**	**Reference Period**	**Limit of effective range**	**Monitoring frequency**	**Compliance Statistic**
	Settled storm sewage discharge start and end times	N/A	N/A	Condition 3.3.3 does not apply	Whenever a discharge occurs	N/A
	Settled storm sewage discharge event duration monitoring status (operational / not operational)	N/A	N/A	Condition 3.3.3 does not apply	2 minute	N/A
A3 Storm sewage via Outlet 3	Storm sewage discharge event duration monitoring (discharge / no discharge)	N/A	N/A	Condition 3.3.3 does not apply	2 minute	N/A
	Storm sewage discharge start and end times	N/A	N/A	Condition 3.3.3 does not apply	Whenever a discharge occurs	N/A
	Storm sewage discharge event duration monitoring status (operational / not operational)	N/A	N/A	Condition 3.3.3 does not apply	2 minute	N/A
A4 Sewage in an emergency via Outlet 3	Sewage in an emergency discharge event duration monitoring (discharge / no discharge)	N/A	N/A	Condition 3.3.3 does not apply	2 minute	N/A

Table S3.1 Point Source emissions to water (other than sewer) – emission limits and monitoring requirements						
Effluent(s) and discharge point(s)	**Parameter**	**Limit (including unit)**	**Reference Period**	**Limit of effective range**	**Monitoring frequency**	**Compliance Statistic**
	Sewage in an emergency discharge start and end times	N/A	N/A	Condition 3.3.3 does not apply	Whenever a discharge occurs	N/A
	Sewage in an emergency discharge event duration monitoring status (operational / not operational)	N/A	N/A	Condition 3.3.3 does not apply	2 minute	N/A

Table S3.2 Discharge points			
Effluent Name	**Discharge Point**	**Discharge point NGR**	**Receiving water/Environment**
A1 Secondary treated sewage effluent	Outlet 1	SX 5770 5139	River Yealm
A2 Settled storm sewage	Outlet 2	SX 5768 5138	River Yealm
A3 Storm sewage	Outlet 3	SX 5772 5148	River Yealm
A4 Sewage in an emergency	Outlet 3	SX 5772 5148	River Yealm

Table S3.3 Storm sewage discharge settings						
Effluent(s) and discharge point(s)	**Description of discharge**	**Overflow setting l/s**	**Maximum size of solid matter**	**Screen aperture size**	**Minimum screen capacity flow l/s**	**Minimum storage capacity m^3**
A2 Settled storm sewage via Outlet 2	Settled storm sewage	8.6	No greater than 6 mm in more than 1 dimension	6 mm x 6 mm	65	331 (offline)
A3 Storm sewage via Outlet 3	Storm sewage	15	No greater than 6 mm in more than 1 dimension	6 mm x 6 mm	69	43.5 (8.5 online & 35 offline)

Table S3.4 Monitoring points			
Effluent(s) and discharge point(s)	**Monitoring type**	**Monitoring point NGR**	**Monitoring point reference**
A1 Secondary treated sewage effluent via Outlet 1	Effluent sampling	SX 5770 5139	M1
A1 Secondary treated sewage effluent via Outlet 1	MCerts flow monitoring	SX 5767 5146	M2
A2 Settled storm sewage via Outlet 2	Effluent sampling	SX 5768 5142	M3
A2 Settled storm sewage via Outlet 2	Event duration monitoring	SX 5768 5142	EDM1
A3 Storm sewage via Outlet 3	Effluent sampling	SX 5773 5148	M4
A3 Storm sewage via Outlet 3	Event duration monitoring	SX 5773 5148	EDM2
A4 Sewage in an emergency via Outlet 3	Effluent sampling	SX 5773 5148	M5
A4 Sewage in an emergency via Outlet 3	Event duration monitoring	SX 5773 5148	EDM3

Schedule 3A - Look up table

Look up table	
Number of samples taken in any period of 12 months	**Maximum number of samples permitted to exceed limit for given parameter**
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

Schedule 3B - OSM tier 3 sampling frequency

Parameter	'Normal frequency' of samples per year	Reduced Sampling frequency after 12 consecutive months of numeric permit compliance, samples per year or pro rata over the remainder of a year	On numeric limit failure return to normal frequency as soon as reasonably practicable, samples per 12 months[1]	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

[1]For UV efficacy monitoring use sanitary frequency and increase following failure of UV requirements only.

Schedule 4 – Reporting

Parameters, for which reports shall be made, in accordance with conditions of this permit, are listed below.

Table S4.1 Reporting of monitoring data			
Parameter	**Monitoring point reference**	**Reporting period**	**Period begins**
Dry Weather Flow (daily flows total)	M2	Annually Report to be submitted within 2 months of the end of the calendar year	1 January
15-minute flow	M2	Reports to be provided to the Environment Agency upon request Report to be submitted within 28 days unless otherwise specified in writing by the Environment Agency	Upon request by the Environment Agency
Operator Self Monitoring - ATU-BOD as O_2, ammoniacal nitrogen (expressed as N), suspended solids (measured after drying at 105^{o}C)	M1	Quarterly Report to be submitted within 28 days	1st of month
Operator Self Monitoring summary report	M1	Annually Report to be submitted within 2 months of the end of the calendar year	1 January
Settled storm sewage discharge start and end times	EDM1	Reports to be provided to the Environment Agency upon request Report to be submitted within 28 days unless otherwise specified in writing by the Environment Agency	Upon request by the Environment Agency
Settled storm sewage discharge start and end times	EDM1	Annually Report to be submitted within 2 months	1 January

Table S4.1 Reporting of monitoring data			
Parameter	**Monitoring point reference**	**Reporting period**	**Period begins**
Settled storm sewage discharge event duration monitoring status (operational / not operational)	EDM1	Annually Report to be submitted within 2 months	1 January
Storm sewage discharge start and end times	EDM2	Reports to be provided to the Environment Agency upon request Report to be submitted within 28 days unless otherwise specified in writing by the Environment Agency	Upon request by the Environment Agency
Storm sewage discharge start and end times	EDM2	Annually Report to be submitted within 2 months	1 January
Storm sewage discharge event duration monitoring status (operational / not operational)	EDM2	Annually Report to be submitted within 2 months	1 January
Sewage in an emergency discharge start and end times	EDM3	Reports to be provided to the Environment Agency upon request Report to be submitted within 28 days unless otherwise specified in writing by the Environment Agency	Upon request by the Environment Agency
Sewage in an emergency discharge start and end times	EDM3	Annually Report to be submitted within 2 months	1 January
Sewage in an emergency discharge event duration monitoring status (operational / not operational)	EDM3	Annually Report to be submitted within 2 months	1 January

Table S4.2 Reporting forms	
Parameter	**Reporting format**

Table S4.2 Reporting forms	
Parameter	**Reporting format**
Dry Weather Flow (daily flows total)	WISKI electronic format specified by the Environment Agency
15-minute flow	WISKI electronic format specified by the Environment Agency
OSM - ATU-BOD as O_2, ammoniacal nitrogen (expressed as N), suspended solids (measured after drying at 105°C)	Quarterly - Electronic format specified by the Environment Agency
Operator Self Monitoring summary report	Annually - Summary report of compliance with the monitoring programme specified in Table S3.1 and schedule 3B in a format specified by the Environment Agency
Settled storm sewage discharge start and end times	Form as agreed in writing by the Environment Agency
Settled storm sewage discharge start and end times	Annual summary report or other form as agreed in writing by the Environment Agency Number of and total duration of counted spills for all spills.
Settled storm sewage discharge event duration monitoring status (operational / not operational)	Annual summary report or other form as agreed in writing by the Environment Agency Percentage of time in the reporting period that the event duration monitoring equipment was operational.
Storm sewage discharge start and end times	Form as agreed in writing by the Environment Agency
Storm sewage discharge start and end times	Annual summary report or other form as agreed in writing by the Environment Agency Number of and total duration of counted spills for all spills.
Storm sewage discharge event duration monitoring status (operational / not operational)	Annual summary report or other form as agreed in writing by the Environment Agency Percentage of time in the reporting period that the event duration monitoring equipment was operational.
Sewage in an emergency discharge start and end times	Form as agreed in writing by the Environment Agency
Sewage in an emergency discharge start and end times	Annual summary report or other form as agreed in writing by the Environment Agency Number of and total duration of counted spills for all spills.
Sewage in an emergency discharge event duration monitoring status (operational / not operational)	Annual summary report or other form as agreed in writing by the Environment Agency Percentage of time in the reporting period that the event duration monitoring equipment was operational.

Schedule 5 – Notification

These pages outline the information that the operator must provide.

Units of measurement used in information supplied under Part A and B requirements shall be appropriate to the circumstances of the emission. Where appropriate, a comparison should be made of actual emissions and authorised emission limits.

If any information is considered commercially confidential, it should be separated from non-confidential information, supplied on a separate sheet and accompanied by an application for commercial confidentiality under the provisions of the EP Regulations.

Part A

Permit Number	
Name of operator	
Location of Facility	
Time and date of the detection	

(a) Notification requirements for any malfunction, breakdown or failure of equipment or techniques, accident, or emission of a substance not controlled by an emission limit which has caused, is causing or may cause significant pollution	
To be notified within 24 hours of detection unless otherwise agreed in writing by the Environment Agency	
Date and time of the event	
Reference or description of the location of the event	
Description of where any release into the environment took place	
Substances(s) potentially released/type or nature of sewage released	
Best estimate of the quantity or rate of release of substances and/or duration of discharge	
Best estimate of the environmental impact of the discharge	
Measures taken, or intended to be taken, to stop any emission	
Description of the failure or accident.	

(b) Notification requirements for the breach of a limit specified in schedule 3 table S3.1 (including individual exceedances of limits which are covered by condition 3.1.2)

The information specified below is to be notified to the Environment Agency as soon as reasonably practicable following detection.	
Monitoring point reference/ source	
Self monitoring regime (where relevant)	e.g. OSM
Type of failure	e.g. LUT failure/LUT exceedance/other
Date of sample/event	
Parameter	
Result and units	
Limit and units	

Part B – to be submitted as soon as reasonably practicable unless otherwise agreed in writing by the Environment Agency

Any more accurate information on the matters for notification under Part A.	
Measures taken, or intended to be taken, to prevent a recurrence of the incident/breach/exceedance	
Measures taken, or intended to be taken, to rectify, limit or prevent any pollution of the environment which has been or may be caused by the emission	

Name*	
Post	
Signature	
Date	

* authorised to sign on behalf of the operator

Schedule 6 – Interpretation

“accident” means an accident that may result in pollution.

"annually" means once every year.

“application” means the application for this permit, together with any additional information supplied by the operator as part of the application and any response to a notice served under Schedule 5 to the EP Regulations.

For the activity A1 referenced in schedule 1, table S1.1 “appropriate measures” for the purposes of the emission of substances not controlled by emission limits condition (condition 3.2.1) do not require the operator to undertake treatment to a level beyond that specified in schedule 1 table S1.1, or to carry out routine monitoring for substances not controlled by emission limits.

“ATU-BOD as O_2” means the biochemical oxygen demand (measured after 5 days at 20^{o}C with nitrification suppressed by the addition of allylthiourea).

“emissions of substances not controlled by emission limits” means emissions of substances to air, water or land from the permitted activities, which are not controlled by an emission limit.

“EP Regulations” means The Environmental Permitting (England and Wales) Regulations SI 2016 No.1154 and words and expressions used in this permit which are also used in the Regulations have the same meanings as in those Regulations.

“MCERTS” means the Environment Agency’s Monitoring Certification Scheme.

“minimum screen capacity flow” means the minimum flow passed through the screens to the outfall when the screen bypass operates.

“monitoring frequency” as used in Table S3.1 in the context of Event Duration Monitoring is the temporal interval at which a change of state between no discharge and discharge is to be detected.

“overflow” for the purposes of schedule 7, means any weir or orifice or other means via which flow in excess of its overflow setting is diverted from the continuation sewer when it is caused by rainfall and or snowmelt.

“overflow setting” means the minimum flow passed forward to the continuation flow when the overflow operates.

"quarter" means a calendar year quarter commencing on 1 January, 1 April, 1 July or 1 October.

“significant pollution” means a category 1 or category 2 incident indicated by the Common Incident Classification Scheme (CICS).

“spill” one or more overflow events within a period of 12 hours or less will be considered to be one spill, one or more overflow events extending over a period of greater than 12 hours up to 36 hours will be considered to be 2 spills. Each subsequent 24 hour duration counts as 1 additional spill and the whole of the 24 hour block is included.

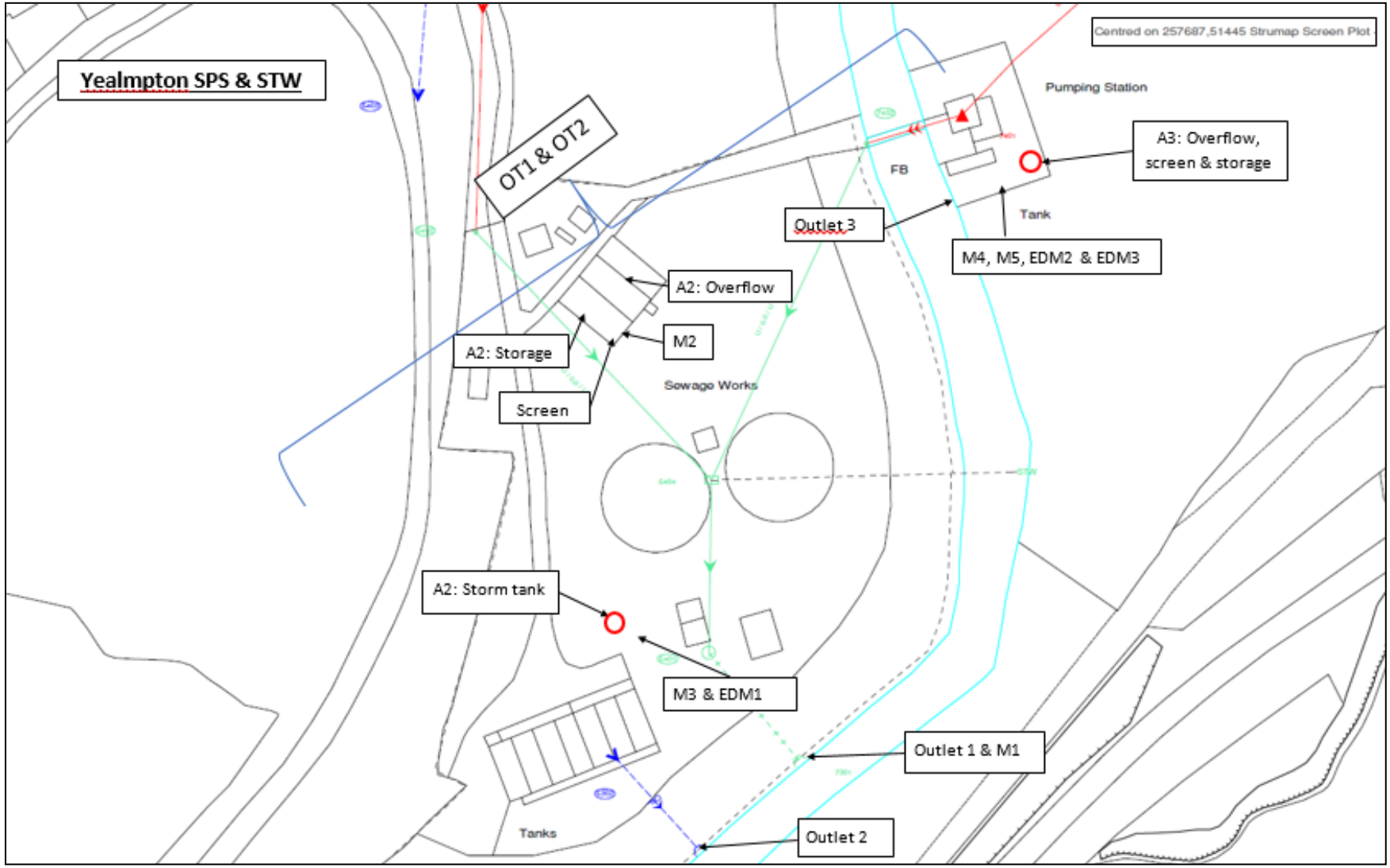
“unusual weather conditions” includes, but is not limited to:

- low ambient temperatures, or the freezing of mechanical equipment in the works;
- significant snow deposits;
- tidal or fluvial flooding;
- weather conditions causing unforeseen loss of power supply to the sewage treatment that could not be ameliorated by the reasonable provision and operation of standby generation facilities.

“Urban Waste Water Treatment (England and Wales) Regulations 1994 (UWWTR)” means Urban Waste Water Treatment (England and Wales) Regulations 1994 SI 2841and the words and expressions used in this permit which are also used in the Regulations have the same meanings as in those Regulations.

“year” means calendar year ending 31 December.

Schedule 7 – Site plan



The information contained within this map should not be used for any purpose other than as a general guide to the location of existing services.
No assurance or warranty as to its correctness or accuracy is given or should be inferred.
Not all mains, service pipes and other apparatus of the Company are shown.
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