# Notice of variation and consolidation with introductory note

## The Environmental Permitting (England & Wales) Regulations 2016

Severn Trent Water Limited

Stramshall Road Combined Sewer Overflow
Stramshall
Uttoxeter
Staffordshire
ST14 5AN

### Variation number

**T/31/08235/O/V001**

### Permit number

**T/31/08235/O**

# Stramshall Road Combined Sewer Overflow
# Permit number T/31/08235/O

## 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. All the conditions of the permit have been varied and are subject to the right of appeal.

This permit variation and consolidation is to reflect asset improvements that have been agreed between the Environment Agency and Severn Trent Water Limited as part of the National Environment Programme. This permit requires the operator to install event duration monitoring (EDM) with telemetry on the combined sewer overflow. This variation is to provide this combined sewer overflow (CSO) with an individual permit in a modern format.

The status log of a permit sets out the permitting history, including any changes to the permit reference number.

| **Status log of the permit** | | |
|---|---|---|
| **Description** | **Date** | **Comments** |
| Permit determined T/31/08235/O | 20/11/1980 | Date original permit was issued. |
| Environment Agency Initiated variation T/31/08235/O/V001 (variation and consolidation) | 31/10/2019 | Variation of permit initiated under PR14 review programme to incorporate improvements to be delivered under AMP6. |
| Variation determined T/31/08235/O | 02/12/2019 | Varied and consolidated permit issued in modern condition format. Permit issued to Severn Trent Water Limited. |

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

**T/31/08235/O**

### Issued to

**Severn Trent Water Limited** ("the operator"),

whose registered office is

**Severn Trent Centre**
**2 St John's Street**
**Coventry**
**CV1 2LZ**

company registration number **02366686**

to operate a water discharge activity at

**Stramshall Road Combined Sewer Overflow**
**Stramshall**
**Uttoxeter**
**Staffordshire**
**ST14 5AN**

to the extent set out in the schedules.

The notice shall take effect from 02/12/2019

| Name | Date |
|---|---|
| **Roger Horton** | **02/12/2019** |

Authorised on behalf of the Environment Agency

## Schedule 1

All conditions have been varied by the consolidated permit 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

**T/31/08235/O**

This is the consolidated permit referred to in the variation and consolidation notice for variation T/31/08235/O/V001 authorising,

**Severn Trent Water Limited** ("the operator"),

whose registered office is

**Severn Trent Centre**
**2 St John's Street**
**Coventry**
**CV1 2LZ**

company registration number **02366686**

to operate a water discharge activity at

**Stramshall Road Combined Sewer Overflow**
**Stramshall**
**Uttoxeter**
**Staffordshire**
**ST14 5AN**

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

| Name | Date |
|---|---|
| **Roger Horton** | **02/12/2019** |

Authorised on behalf of the Environment Agency

# Conditions

## 1 Management

### 1.1 General management

1.1.1 The operator shall manage and operate the activity:

(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 activity authorised by the permit is the activity specified in schedule 1 table S1.1.

### 2.2 The site

2.2.1 The discharge activity shall take place at the discharge point 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 location shown, or otherwise described, in schedule 7.

### 2.3 Operating techniques

2.3.1 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. The capacity of the sewer network downstream of the combined sewer overflow shall not be altered in any way which would lead to a significant increase in the frequency or volume of the discharge.

(b) 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.

(c) 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.

(d) 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.

2.3.2 For the activity referenced in schedule 1, table S1.1 where the discharge results in unsatisfactory solid matter being visible in the receiving waters or on the banks or shoreline, in the vicinity of the outfall, the operator shall take all reasonable steps to collect and remove such matter as soon as reasonably practicable.

# 3 Emissions and monitoring

## 3.1 Monitoring

3.1.1 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.

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

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

3.1.4 For the activity 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.

## 4.3 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 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. 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 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.

## 4.4 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 | |
|---|---|
| **Description of activity** | **Limits of specified activity** |
| Discharge of storm sewage via Discharge Point | N/A |

# 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** |
| Storm sewage via Discharge Point | Storm sewage discharge event duration monitoring (discharge / no discharge) | N/A | N/A | N/A | 2 minute | N/A |
| | Storm sewage discharge start and end times | N/A | N/A | N/A | Whenever a discharge occurs | N/A |
| | Storm sewage discharge event duration monitoring status (operational / not operational) | N/A | N/A | N/A | 2 minute | N/A |

| Table S3.2 Discharge points | | | |
|---|---|---|---|
| **Effluent Name** | **Discharge Point** | **Discharge point NGR** | **Receiving water/Environment** |
| Storm sewage | Discharge Point | SK 08406 35687 | Tributary of River Tean |

| 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 $m^3$** |
| Storm sewage via Discharge Point | Storm sewage | 18.81 | No greater than 15 mm in more than 1 dimension | 15 mm x 15 mm | The screen shall be designed to cope with all flows up to and including the 1 in 5 year storm return period, as a minimum | N/A |

| Table S3.4 Monitoring points | | | |
|---|---|---|---|
| **Effluent(s) and discharge point(s)** | **Monitoring type** | **Monitoring point NGR** | **Monitoring point reference** |
| Storm sewage via Discharge Point | Effluent sampling | SK 08297 35613 | Overflow Point<br>Event Duration Monitor<br>Sample Point<br>Screen |
| | Event duration monitoring | SK 08297 35613 | Overflow Point<br>Event Duration Monitor<br>Sample Point<br>Screen |

# 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** |
| Storm sewage discharge start and end times | Overflow Point<br>Event Duration Monitor<br>Sample Point<br>Screen | Reports to be provided to the Environment Agency upon request<br>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 | Overflow Point<br>Event Duration Monitor<br>Sample Point<br>Screen | Annually<br>Report to be submitted within 2 months | 1st January |
| Storm sewage discharge event duration monitoring status (operational / not operational) | Overflow Point<br>Event Duration Monitor<br>Sample Point<br>Screen | Annually<br>Report to be submitted within 2 months | 1st January |

| **Table S4.2 Reporting forms** | |
|---|---|
| **Parameter** | **Reporting format** |
| 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<br>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<br>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. | |

## 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.

“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.

“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.

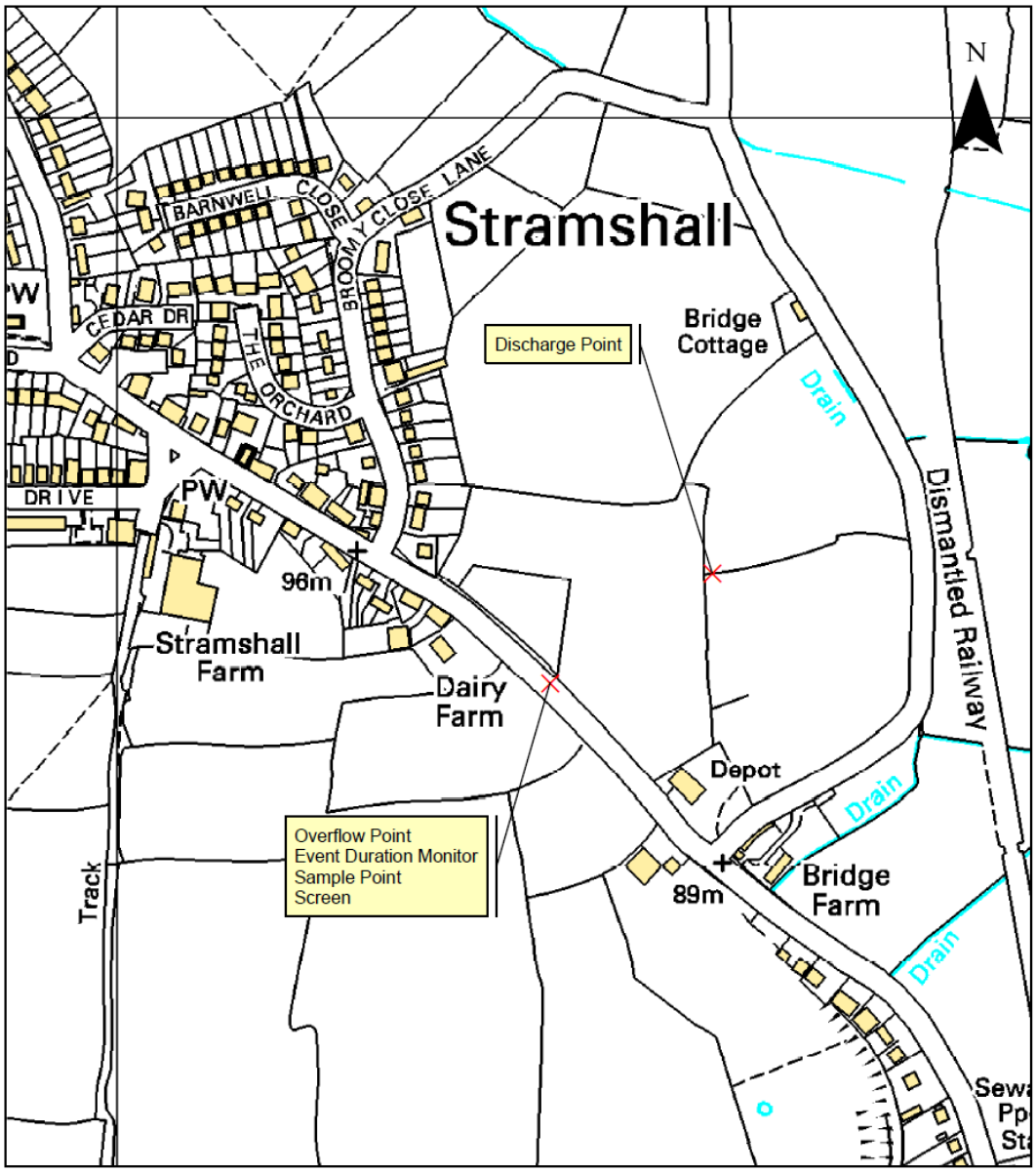
"quarter" means a calendar year quarter commencing on 1 January, 1 April, 1 July or 1 October.

“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.

“year” means calendar year ending 31 December.

# Schedule 7 – Site plan




**STRAMSHALL - ASHBOURNE ROAD CSO** March 2017

1:3,500

0 55 110 220 Meters

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