

Notice of variation and consolidation with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

Thames Water Utilities Limited

Mortimer (Stratfield Mortimer) Wastewater Treatment Works
The Street
Reading
Berkshire
RG7 3PP

Variation number

TEMP.2783/V002

Permit number

TEMP.2783

Mortimer (Stratfield Mortimer) Wastewater Treatment Works

Permit number TEMP.2783

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.

The permits for this and other intermittent discharges operated by Thames Water Utilities Limited were previously granted by means of a single notice dated 14/04/2009 and subsequently varied by single notice on 03/09/2010. The schedules to that notice set out the permit conditions and the sites to which those conditions applied. The Environment Agency requested that Thames Water Utilities Limited provide certain additional information to enable individual permits to be issued for these sites. Thames Water Utilities Limited have supplied the additional information requested for the settled storm sewage discharge at Mortimer (Stratfield Mortimer) Wastewater Treatment Works and have reported that the requirement for the discharge not to contain a significant quantity of solid matter, as specified in the permit, will be achieved by the use of inlet screens removing gross solids from the incoming sewage flow to storm and Copasacs removing gross solids from the settled storm sewage. This variation is to provide the settled storm sewage discharge with an individual permit in a modern format.

This permit variation and consolidation also reflects asset improvements that have been agreed between the Environment Agency and Thames Water Utilities Limited as part of the National Environment Programme. This permit requires the operator to install event duration monitoring (EDM) on the settled storm sewage discharge. This 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.

Status log of the permit		
Description	Date	Comments
Permit granted TEMP.2783	14/04/2009	Issued in the form of a notice and schedules
Environment Agency Initiated variation TEMP.2783/V001	30/03/2010	Variation of permit initiated to implement appeal decision
Variation determined TEMP.2783	03/09/2010	Variation granted in the form of a notice and schedules to implement appeal decision
Additional information received	01/09/2015	Additional site information received from Thames Water Utilities Limited on CD
Additional information received	29/01/2016	Additional site information received from Thames Water Utilities Limited by email
Additional information received	27/07/2016	Additional site information received from Thames Water Utilities Limited by email
Additional information received	30/09/2016	Additional information received by email from Thames Water Utilities Limited to support the overflow setting figure provided

Status log of the permit		
Description	Date	Comments
Environment Agency Initiated variation TEMP.2783/V002	31/05/2017	Variation of permit initiated under PR14 review programme to incorporate improvements to be delivered under AMP6
Additional information received	12/01/2018	Additional site information received from Thames Water Utilities Limited confirming the location of the EDM monitor
Variation determined TEMP.2783	23/03/2018	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

TEMP.2783

Issued to

Thames Water Utilities Limited (“the operator”),

whose registered office is

Clearwater Court

Vastern Road

Reading

Berkshire

RG1 8DB

company registration number 02366661

to operate a water discharge activity at

Mortimer (Stratfield Mortimer) Wastewater Treatment Works

The Street

Reading

Berkshire

RG7 3PP

to the extent set out in the schedules.

The notice shall take effect from 23/03/2018

Name	Date
Mark Hutchinson	23/03/2018

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

TEMP.2783

This is the consolidated permit referred to in the variation and consolidation notice for variation TEMP.2783/V002 authorising,

Thames Water Utilities Limited (“the operator”),

whose registered office is

Clearwater Court

Vastern Road

Reading

Berkshire

RG1 8DB

company registration number 02366661

to operate a water discharge activity at

Mortimer (Stratfield Mortimer) Wastewater Treatment Works

The Street

Reading

Berkshire

RG7 3PP

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

Name	Date
Mark Hutchinson	23/03/2018

Authorised on behalf of the Environment Agency

Conditions

1 Management

1.1 General management

- 1.1.1 The operator shall manage and operate the 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.
 - (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) 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.
 - (d) 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.

- 2.3.2 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 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.
- 3.1.4 Effective from 31st March 2018
- An event duration monitoring 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 settled storm sewage via Outlet 1	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						
Effective from 31st March 2018						
Effluent(s) and discharge point(s)	Parameter	Limit (including unit)	Reference Period	Limit of effective range	Monitoring frequency	Compliance Statistic
Settled storm sewage via Outlet 1	Settled storm sewage discharge event duration monitoring (discharge / no discharge)	N/A	N/A	N/A	15 minute	N/A
	Settled storm sewage discharge start and end times	N/A	N/A	N/A	Whenever a discharge occurs	N/A
	Settled storm sewage discharge event duration monitoring status (operational / not operational)	N/A	N/A	N/A	15 minute	N/A

Table S3.2 Discharge points			
Effluent Name	Discharge Point	Discharge point NGR	Receiving water/Environment
Settled storm sewage	Outlet 1	SU 6746 6450	Tributary of Foudry Brook

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 storage capacity m³ (off-line)
Settled storm sewage via Outlet 1	Settled storm sewage	35	No greater than 6 mm in more than 1 dimension	6mm x 6mm	346

Table S3.4 Monitoring points			
Effluent(s) and discharge point(s)	Monitoring type	Monitoring point NGR	Monitoring point reference
Settled storm sewage via Outlet 1	Effluent sampling	SU 6731 6462	Indicative Storm Sample Point
Settled storm sewage via Outlet 1	Event duration monitoring	SU 6728 6461	Event Duration Monitoring Point

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 Effective from 31st March 2018			
Parameter	Monitoring point reference	Reporting period	Period begins
Settled storm sewage discharge start and end times	Event Duration Monitoring Point	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	Event Duration Monitoring Point	Annually Report to be submitted within 2 months	1 January
Settled storm sewage discharge event duration monitoring status (operational / not operational)	Event Duration Monitoring Point	Annually Report to be submitted within 2 months	1 January

Table S4.2 Reporting forms Effective from 31st March 2018	
Parameter	Reporting format
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.

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 7 days 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.

“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 flow 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.

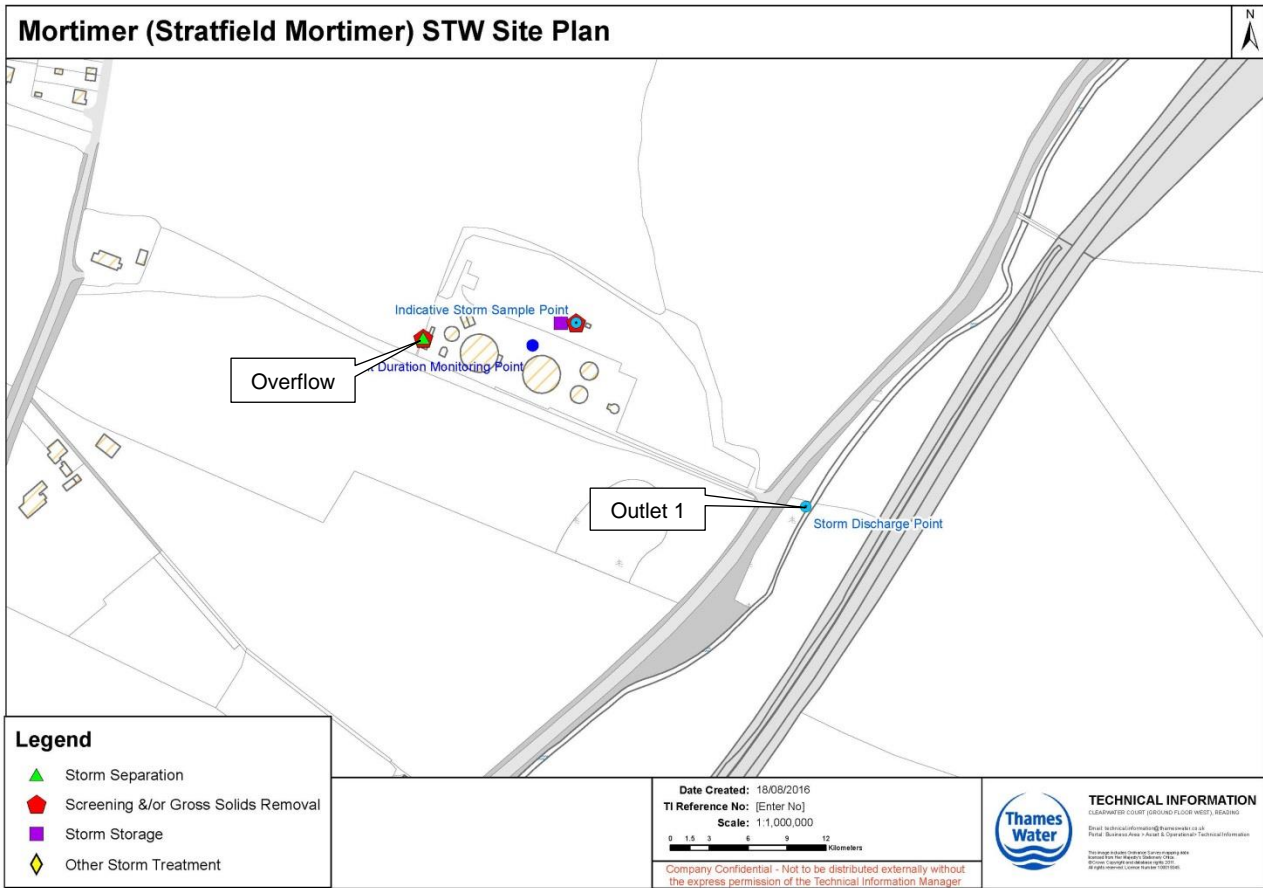
"quarter" means a calendar year quarter commencing on 1 January, 1 April, 1 July or 1 October.

“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



END OF PERMIT