

# Notice of variation and consolidation with introductory note

**The Environmental Permitting (England & Wales) Regulations 2010**

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Wessex Water Services Limited

Wastewater treatment works at Beckington

Mill Lane

Beckington

Frome

Somerset

BA11 6SN

**Variation number**

011987/V001

**Permit number**

011987

# Wastewater treatment works at Beckington

## Permit number 011987

### Introductory note

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

Under the Environmental Permitting (England & Wales) Regulations 2010 (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 variation concerns the implementation of the integrated catchment permitting approach to the regulation of phosphorus in sewage discharges to the Bristol Avon catchment. The aim of the trial is to achieve a target annual phosphorus load reduction in the catchment that will be spread across a number of wastewater treatment works. The variation incorporates an operating technique document that sets out phosphorus reduction requirements at a number of the individual sites and the overall annual load reduction target for the catchment. The reduction will be achieved by a combination of optimising current phosphorus treatment processes and the implementation of phosphorus treatment at some new sites. The improvements will be funded through the National Environment Programme.

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.

| <b>Status log of the permit</b>                    |             |  |
|--|-------------|--|
| <b>Description</b>                                 | <b>Date</b> | <b>Comments</b>  |
| Environment Agency initiated variation 011987/V001 | 01/04/2016  | Variation of permit initiated to deliver the requirements of the Bristol Avon catchment project. |
| Variation determined 011987                        | 30/12/2016  | 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 2010

The Environment Agency in exercise of its powers under regulation 20 of the Environmental Permitting (England and Wales) Regulations 2010 varies and consolidates

### Permit number

011987

### Issued to

**Wessex Water Services Limited** (“the operator”)

whose registered office is

**Wessex Water Operations Centre**

**Claverton Down Road**

**Claverton Down**

**Bath**

**BA2 7WW**

company registration number 02366648

to operate water discharge activities at

**Beckington Wastewater Treatment Works**

**Mill Lane**

**Beckington**

**Frome**

**Somerset**

**BA11 6SN**

to the extent set out in the schedules.

The notice shall take effect from 01/01/2017.

| Name            | Date       |
|-----------------|------------|
| Suzanne Haworth | 30/12/2016 |

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 2010

### Permit number

**011987**

This is the consolidated permit referred to in the variation and consolidation notice for variation 011987/V001 authorising,

**Wessex Water Services Limited** (“the operator”)

whose registered office is

**Wessex Water Operations Centre**

**Claverton Down Road**

**Claverton Down**

**Bath**

**BA2 7WW**

company registration number 02366648

to operate water discharge activities at

**Beckington Wastewater Treatment Works**

**Mill Lane**

**Beckington**

**Frome**

**Somerset**

**BA11 6SN**

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

| <b>Name</b>            | <b>Date</b>       |
|------------------------|-------------------|
| <b>Suzanne Haworth</b> | <b>30/12/2016</b> |

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 point marked on the site plans 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 activity A1 referenced in schedule 1, table S1.1 the activity 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 If notified by the Environment Agency that the activities are giving rise to pollution, the operator shall submit to the Environment Agency for approval within the period specified, a revision of any plan or other documentation ("plan") specified in schedule 1, table S1.2 which identifies and minimises the risks of pollution relevant to that plan, and shall implement the approved revised plan in place of the original from the date of approval, unless otherwise agreed in writing by the Environment Agency.
- 2.3.3 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.
- 2.3.4 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 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.

2.3.5 For the activity A2 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 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 and the environmental or other monitoring 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 plans 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.

## **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:

- (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.

## **4.4 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 1              | N/A                          |

| Table S1.2 Operating techniques |  |       |               |
|---------------------------------|--|-------|---------------|
| Activity reference              | Description of documentation   | Parts | Date Received |
| A1                              | BA OTA1 - Bristol Avon Catchment Permitting for Phosphorus Operating Techniques Agreement Document | All   | 09/03/2016    |

## 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                                  | 344 m <sup>3</sup> /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 <sub>2</sub>                         | 20 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)              | 10 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°C) | 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) |
|   | 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)   |

| <b>Effluent Name</b>                 | <b>Discharge Point</b> | <b>Discharge point NGR</b> | <b>Receiving water/Environment</b> |
|--------------------------------------|------------------------|----------------------------|------------------------------------|
| A1 Secondary treated sewage effluent | Outlet 1               | ST 79620 51970             | River Frome                        |
| A2 Settled storm sewage              | Outlet 1               | ST 79620 51970             | River Frome                        |

| <b>Effluent(s) and discharge point(s)</b> | <b>Description of discharge</b> | <b>Overflow setting l/s</b> | <b>Maximum size of solid matter</b>             | <b>Minimum storage capacity m<sup>3</sup> (offline)</b> |
|---|---------------------------------|-----------------------------|---|---|
| A2 Settled storm sewage via Outlet 1      | Settled storm sewage            | 12                          | No greater than 19 mm in more than 2 dimensions | 110   |

| <b>Effluent(s) and discharge point(s)</b>         | <b>Monitoring type</b> | <b>Monitoring point NGR</b> | <b>Monitoring point reference</b> |
|---|------------------------|-----------------------------|-----------------------------------|
| A1 Secondary treated sewage effluent via Outlet 1 | Effluent sampling      | ST 79610 51890              | M1                                |
| A2 Settled storm sewage via Outlet 1              | Effluent sampling      | ST 79620 51910              | M2                                |
| A1 Secondary treated sewage effluent via Outlet 1 | MCERTS flow monitoring | ST 79635 51871              | M3                                |

## 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 <sup>1</sup> | 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  |

<sup>1</sup>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.

| <b>Table S4.1 Reporting of monitoring data</b>   |                                   |  |  |
|--|-----------------------------------|--|--|
| <b>Parameter</b>   | <b>Monitoring point reference</b> | <b>Reporting period</b>  | <b>Period begins</b>                   |
| Dry Weather Flow (daily flows total)   | M3                                | Annually<br>Report to be submitted within 2 months of the end of the calendar year   | 1 January                              |
| 15-minute flow   | M3                                | 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 |
| Operator Self Monitoring - ATU-BOD as O <sub>2</sub> , ammoniacal nitrogen (expressed as N), suspended solids (measured after drying at 105°C) | M1                                | Quarterly<br>Report to be submitted within 28 days   | 1st of month                           |
| Operator Self Monitoring summary report  | M1                                | Annually<br>Report to be submitted within 2 months of the end of the calendar year   | 1 January                              |

| <b>Table S4.2 Reporting forms</b>   |   |
|---|---|
| <b>Parameter</b>  | <b>Reporting format</b>   |
| 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 <sub>2</sub> , 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 |

## 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 |  |

|   |  |
|---|--|
| <b>(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</b> |  |
| <b>To be notified within 7 days of detection unless otherwise agreed in writing by the Environment Agency</b>   |  |
| 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>(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)</b> |                                 |
| <b>The information specified below is to be notified to the Environment Agency as soon as reasonably practicable following detection.</b>   |                                 |
| Monitoring point reference/ source  |                                 |
| Self monitoring regime (where relevant)   | e.g. OSM                        |
| Type of failure   | e.g. LUT failure/LUT exceedance |
| 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 |  |

|                  |  |
|------------------|--|
| <b>Name*</b>     |  |
| <b>Post</b>      |  |
| <b>Signature</b> |  |
| <b>Date</b>      |  |

\* 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<sub>2</sub>” means the biochemical oxygen demand (measured after 5 days at 20°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 2010 No.675 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.

“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).

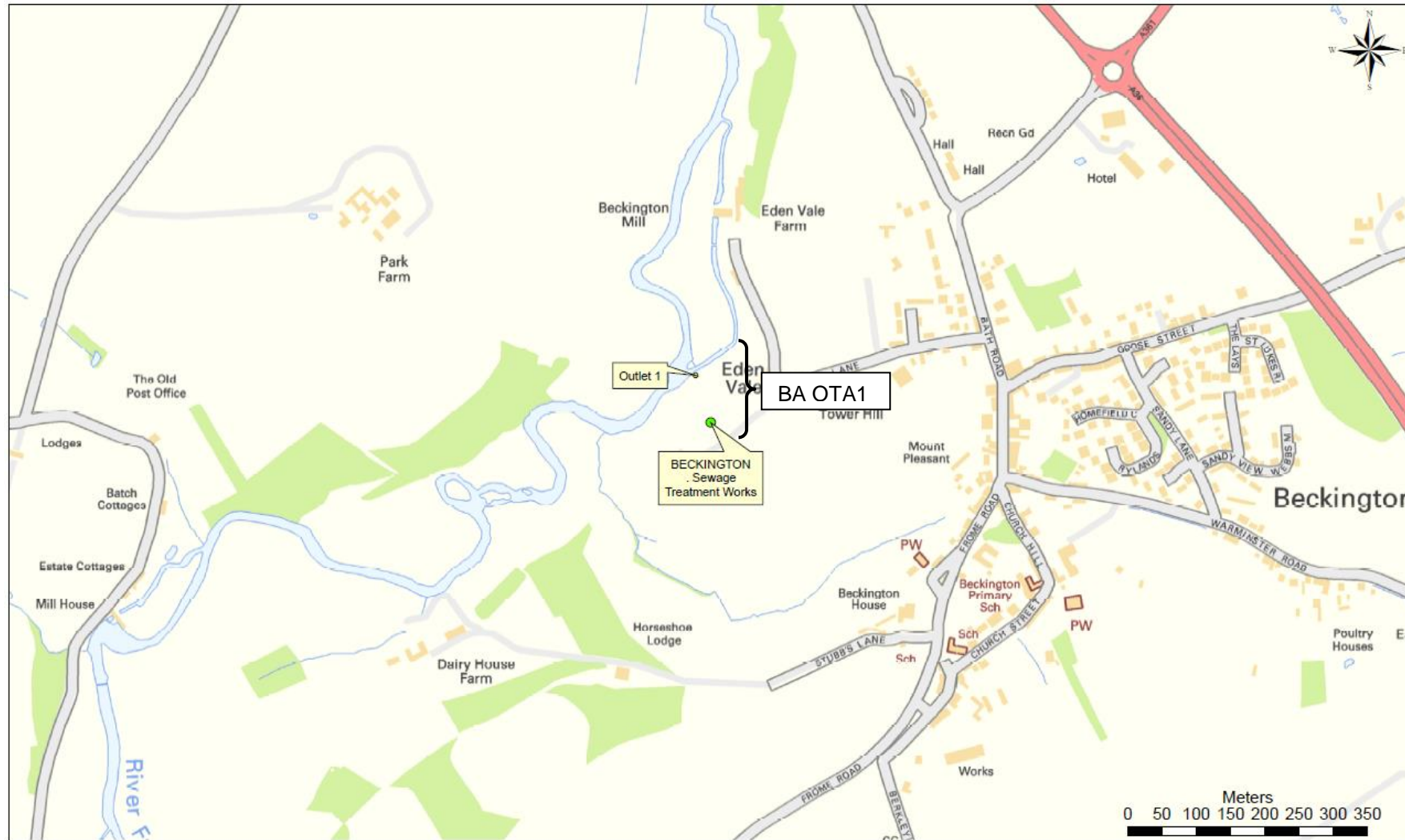
“unusual weather conditions” includes, but is not limited to:

- 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 2841 and 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 plans





13017  
**BECKINGTON**  
Sewage Treatment Works  
LOCATION PLAN  
Centre: 379,642 151,901

Scale: 1:5000

Printed on: 09/11/2016 15:53

| WASTE NETWORK LEGEND   |   |
|--|---|
| <b>STRUCTURES</b>  | <b>PUBLIC SEWERS</b>  |
| <ul style="list-style-type: none"> <li>Manhole - Flou</li> <li>Manhole - Surface</li> <li>Manhole - Consigned</li> <li>Outlet</li> <li>Well</li> <li>Lambing</li> <li>Bifurcation - Flou</li> <li>Bifurcation - Surface</li> <li>Bifurcation - Consigned</li> <li>Controlled Sewage Overflow</li> <li>Pumping Station - Surface</li> <li>Pumping Station - Flou/Consigned</li> </ul> | <ul style="list-style-type: none"> <li>Flou Sewer</li> <li>Surface Water Sewer</li> <li>Consigned Sewer</li> <li>Rising Main</li> <li>Syphon</li> <li>Overflow</li> <li>Use Limitation</li> </ul>   |
| <ul style="list-style-type: none"> <li>Dully</li> <li>Verti Column</li> <li>Staking Pipe</li> <li>Control</li> <li>Running Chamber</li> <li>Stoneware</li> <li>New Rising Valve</li> <li>Air Valve</li> <li>Wastout</li> <li>Hardy Box</li> <li>Other</li> </ul>   | <ul style="list-style-type: none"> <li>Adaptation Pipe</li> <li>Repose Tank</li> <li>Chamber</li> <li>Tunnel</li> <li>Inlet/Outlet</li> </ul>   |
| <b>BOUNDARIES</b>  | <b>NON-PUBLIC SEWERS &amp; PIPELINES</b>  |
| <ul style="list-style-type: none"> <li>Section 104 Site</li> </ul>   | <ul style="list-style-type: none"> <li>Private Sewer/Drain</li> <li>Highway Drain</li> <li>Coloured Footpath</li> <li>Hardwood Sewer</li> <li>Stake Linkdown</li> <li>Section 104 - Flou</li> <li>Section 104 - Surface</li> <li>Section 104 - Consigned</li> <li>Private Rising Main</li> <li>Other (National Main)</li> </ul> |

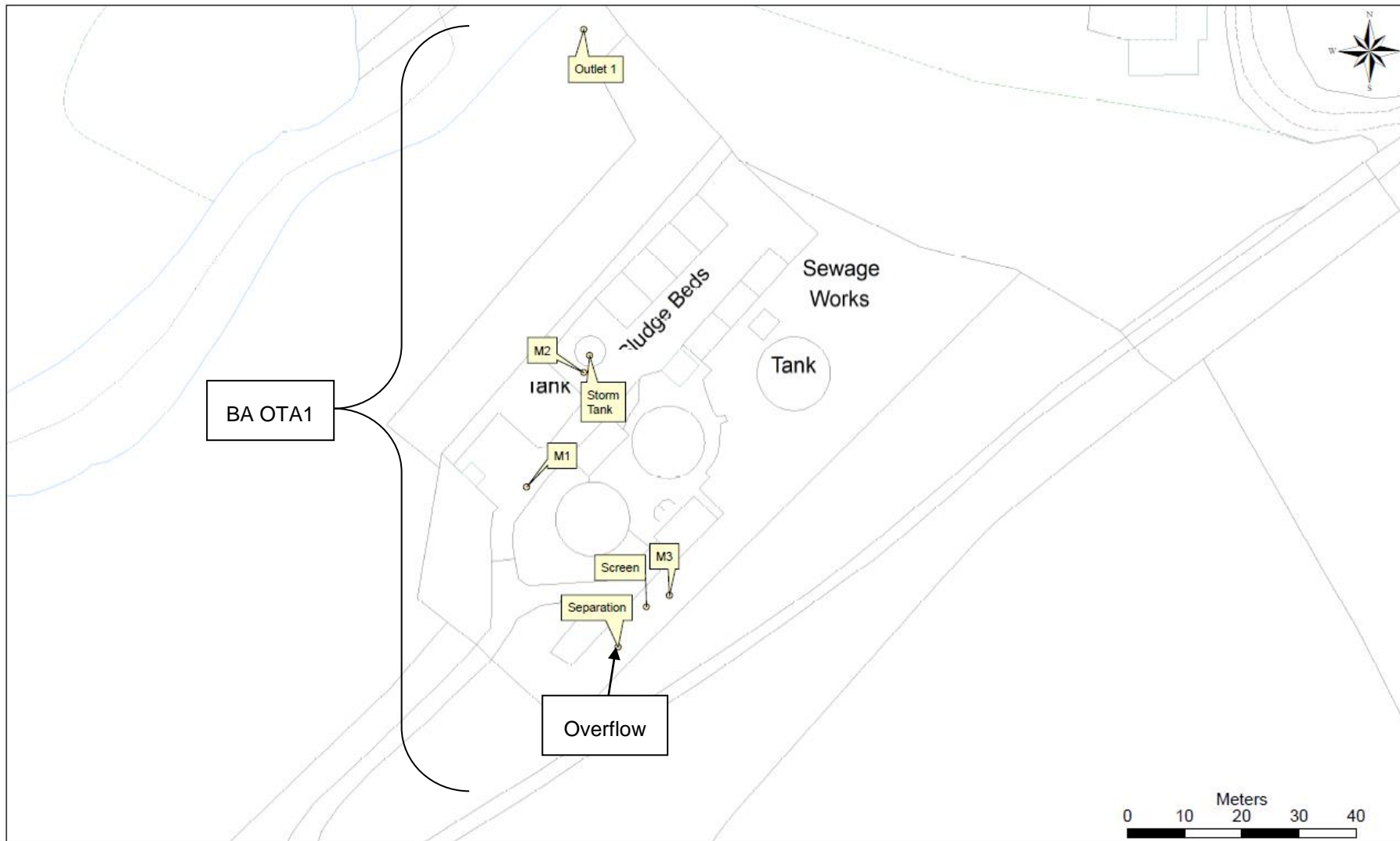
Information in this plan is provided for identification purposes only. No warranty as to accuracy is given or implied. The precise route of pipe work may not exactly match that shown. Wastewater does not accept liability for inaccuracies.

Sewers and lateral drains adopted by Wastewater under the Water Industry Act 2006 for adoption of Private Sewers Regulations 2011 are to be marked over time and may not yet be shown.

In carrying out any works, you accept liability for the cost of any repairs to Wastewater apparatus damaged as a result of your works. You are advised to contact your local authority regarding field tools only. Maintenance of existing equipment should not be used on pipe work that has been previously located.

If you are considering any form of building works and pipe work is shown within the boundary of your property or a property to be purchased or any work done by a neighbour should not be exact position prior to commencing works or purchase. Building over or near Wastewater's apparatus is not normally permitted.

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13017  
 BECKINGTON  
 Sewage Treatment Works  
 SITE PLAN  
 Centre: 379,642 151,901

Scale: 1:600

Printed on: 08/11/2016 14:48

**WASTE NETWORK LEGEND**

|   |  |   |   |  |
|---|--|---|---|--|
| <p>Colours generally indicate the use of the sewer/pipe</p> <p>eg. Red Fuel<br/>         Green Gas<br/>         Orange Sewerage<br/>         Blue Stormwater<br/>         Yellow Stormwater</p> <p>Styles of line are shown on the map to search typical colours</p> <p><b>BOUNDARIES</b></p> <p>Section 104 Site</p> | <p><b>STRUCTURES</b></p> <ul style="list-style-type: none"> <li>Manhole - Foot</li> <li>Manhole - Surface</li> <li>Manhole - Combined</li> <li>Outlet</li> <li>Islet</li> <li>Lampglass</li> <li>Structure - Foot</li> <li>Diffraction - Surface</li> <li>Infiltration - Combined</li> <li>Combined Sewage Overflow</li> <li>Pumping Station - Surface</li> <li>Pumping Station - Foot/Combined</li> </ul> | <ul style="list-style-type: none"> <li>Suby</li> <li>Verti Column</li> <li>Roofing Eye</li> <li>Catchpit</li> <li>Rising Chamber</li> <li>Accessway</li> <li>Non Return Valve</li> <li>Air Valve</li> <li>Vertical</li> <li>Manhole</li> <li>Other</li> </ul> | <p><b>PUBLIC SEWERS</b></p> <ul style="list-style-type: none"> <li>Foot Sewer</li> <li>Surface Water Sewer</li> <li>Combined Sewer</li> <li>Rising Main</li> <li>Syphon</li> <li>Overflow</li> <li>Low Lift/Inflow</li> </ul> <p><b>OTHER STRUCTURES</b></p> <ul style="list-style-type: none"> <li>Adm/Worker Gate</li> <li>Storage Tank</li> <li>Chamber</li> <li>Tank</li> <li>Invertible</li> </ul> | <p><b>NON-PUBLIC SEWERS &amp; PIPELINES</b></p> <ul style="list-style-type: none"> <li>Trunk Sewer/Drain</li> <li>Customer Wastewater</li> <li>Horizontal Sewer</li> <li>Status Lift/Inflow</li> <li>Section 104 - Foot</li> <li>Section 104 - Surface</li> <li>Section 104 - Combined</li> <li>Private Rising Main</li> <li>STWAK/Disposal Man</li> </ul> |
|---|--|---|---|--|

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Sewers and lateral drains adopted by Wastes Water under the Water Industry (Scheme for Adoption of Private Sewers) Regulations 2011 are to be marked over time and may not yet be shown.

In carrying out any works, you accept liability for the cost of any repairs to Wastes Water equipment damaged as a result of your works. You are advised to commence excavations using hand tools only. Mechanical digging equipment should not be used until pipe work has been precisely located.

If you are considering any form of building works and pipe work is shown within the boundary of your property or a property to be purchased (or any lease) by a neighbour should plot its exact position prior to commencing works or purchase. Building over or near Wastes Water's apparatus is not normally permitted.

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END OF PERMIT

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