

# Notice of variation with introductory note

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

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Anglian Water Services Limited

Dalton Piercy Water Treatment Works  
Dalton Piercy  
Hartlepool  
County Durham  
TS27 3JB

### **Variation application number**

**EPR/FB3291NH/V002**

### **Permit number**

**EPR/FB3291NH**

# Dalton Piercy Water Treatment Works

## Permit number EPR/FB3291NH

### Introductory note

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

The following notice gives notice of the variation of an environmental permit.

The variation amends the date on which the activity shall be brought into operation due to a delay in the capital scheme from 01/02/2018 to 15/04/2018.

The schedules specify the changes made to the original permit.

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

<b>Status log of the permit</b>		
<b>Description</b>	<b>Date</b>	<b>Comments</b>
Permit determined EPR/FB3291NH/A001	15/09/2017	Permit issued to Anglian Water Services Limited.
Application EPR/FB3291NH/V002 Admin variation	Duly made 17/01/2018	Application to amend effective date from 01/02/2018 to 15/04/2018 received.
Variation determined EPR/FB3291NH	25/01/2018	Varied permit issued.

End of introductory note

## Notice of variation

### 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

#### Permit number

EPR/FB3291NH

#### Issued to

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

whose registered office is is

**Lancaster House  
Lancaster Way  
Ermine Business Park  
Huntingdon  
Cambridgeshire  
PE29 6XU**

company registration number **02366656**

to operate a water discharge activity at

**Dalton Piercy Water Treatment Works  
Dalton Piercy  
Hartlepool  
County Durham  
TS27 3JB**

to the extent set out in the schedules.

The notice shall take effect from 25/01/2018

Name	Date
David Griffiths	25/01/2018

Authorised on behalf of the Environment Agency

### **Schedule 1 – conditions to be deleted**

None

### **Schedule 2 – conditions to be amended**

The following condition is amended as a result of the application made by the operator

- Condition 2.3.1 has been amended and shall now read “The activity shall not be brought into operation until 15/04/2018.”

### **Schedule 3 – conditions to be added**

None

# Permit with introductory note

The Environmental Permitting (England & Wales) Regulations 2016

Anglian Water Service Limited

Dalton Piercy Water Treatment Works

Dalton Piercy

Hartlepool

TS27 3JB

Permit number

**EPR/FB3291NH**

# Dalton Piercy Water Treatment Works

## Permit number EPR/FB3291NH

### Introductory note

#### This introductory note does not form a part of the permit

The main features of the permit are as follows.

The permitted discharge consists of settled, filter-backwash waters from Dalton Piercy Water Treatment Works. The works treats ground waters abstracted from boreholes for the supply of potable water to the public. In recent years there have been issues of discoloration of these waters because of the presence of metals in the rocks of the aquifer. To address this problem the operator has installed high pressure filters at the works to trap and remove the discolouring particles. To keep the filters effective they have to be backwashed to flush out the trapped material. As well as metals the backwash waters will contain residual traces of chlorine and inert suspended solids. The backwash waters will be treated in settlement tanks before discharge.

The permit has emission limits to control iron, chlorine and suspended solids concentrations in the discharge to levels that will protect the receiving watercourse. The permit also limits the discharge volume to a maximum of 755 cubic metres a day although the average discharge volume will be close to 230 cubic metres. The maximum volume will only be discharged on a few occasions a year when the demand for potable water is high and/or the discoloration of the ground waters is above average. The daily volume of the discharge will be measured by an MCERTS flow monitor.

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

Status log of the permit		
Description	Date	Comments
Application EPR/FB3291NH/A001	Duly made 04/4/2017	Application for discharge of trade effluent consisting of dechlorinated settled filter backwash
Additional information received	22/6/2017	Revised average flows
Additional information received	22/7/2017	De-chlorination facilities and updated site plan with sample point location
Permit determined EPR/FB3291NH	15/09/2017	Permit issued to Anglian Water Services Limited

End of introductory note

# Permit

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

**Permit number**

**EPR/FB3291NH**

The Environment Agency hereby authorises, under regulation 13 of the Environmental Permitting (England and Wales) Regulations 2016

**Anglian Water Service Limited** (“the operator”),

whose registered office is

**Lancaster House  
Lancaster Way  
Ermine Business Park  
Huntingdon  
Cambridge  
PE29 6XU**

company registration number 02366656

to operate a water discharge activity at

**Dalton Piercy Water Treatment Works  
Dalton Piercy  
Hartlepool  
TS27 3JB**

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

<b>Name</b>	<b>Date</b>
<b>David Griffiths</b>	<b>15/09/2017</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 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.

### 2.3 Pre-operational conditions

- 2.3.1 The activity shall not be brought into operation until 01/02/2018.

## 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.

### 3.2 Emissions of substances not controlled by emission limits

- 3.2.1 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 S3.3.
- 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 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 points specified in table S3.3 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.

## **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.

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 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

<b>Table S1.1 Activities</b>		
<b>Activity reference</b>	<b>Description of activity</b>	<b>Limits of specified activity</b>
A1	Discharge of trade effluent consisting of dechlorinated settled filter backwash via Filter Backwash Discharge Point	N/A

# Schedule 2 – Waste types, raw materials and fuels

Schedule 2 not in use.

## Schedule 3 – Emissions and monitoring

<b>Effluent(s) and discharge point(s)</b>	<b>Parameter</b>	<b>Limit (including unit)</b>	<b>Reference Period</b>	<b>Limit of effective range</b>	<b>Monitoring frequency</b>	<b>Compliance Statistic</b>
A1 Trade effluent consisting of dechlorinated settled filter backwash via Filter Backwash Discharge Point	Maximum daily discharge volume	755 m <sup>3</sup> /day	Total daily volume	N/A	N/A or Continuous	Maximum
	Maximum rate of discharge	21 litres per second	Instantaneous (spot sample)	N/A	N/A or Continuous	Maximum
	15-minute instantaneous or averaged flow	No limit set. Record as l/s	15 minute	N/A	Continuous	N/A
	Suspended solids (measured after drying at 105°C)	30 mg/l	Instantaneous (spot sample)	N/A	As specified in schedule 3B	Maximum
	Total available chlorine (filtered)	50 µg/l	Instantaneous (spot sample)	N/A	As specified in schedule 3B	Maximum
	pH	6 to 9	Instantaneous (spot sample)	N/A	As specified in schedule 3B	Minimum and maximum
	Iron	4,000 µg/l	Instantaneous (spot sample)	N/A	As specified in schedule 3B	Maximum

<b>Effluent Name</b>	<b>Discharge Point</b>	<b>Discharge point NGR</b>	<b>Receiving water/Environment</b>
A1 Trade effluent consisting of dechlorinated settled filter backwash	Filter Backwash Discharge Point	NZ 4666 3127	Dalton Beck

<b>Effluent(s) and discharge point(s)</b>	<b>Monitoring type</b>	<b>Monitoring point NGR</b>	<b>Monitoring point reference</b>
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<b>Table S3.3 Monitoring points</b>			
<b>Effluent(s) and discharge point(s)</b>	<b>Monitoring type</b>	<b>Monitoring point NGR</b>	<b>Monitoring point reference</b>
A1 Trade effluent consisting of dechlorinated settled filter backwash via Filter Backwash Discharge Point	Trade Effluent sampling	NZ 4643 3170	Filter Backwash Sample Point Monitoring point to be appropriately labelled.
A1 Trade effluent consisting of dechlorinated settled filter backwash via Filter Backwash Discharge Point	MCerts flow monitoring	NZ 4643 3170	Flow Monitor

## Schedule 3B - OSM tier 2 sampling frequency

Tier 2 Category	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	Out of hours samples
> 5m <sup>3</sup> /d (but not in tier 3) with numeric limits for ammoniacal nitrogen (expressed as N), nutrients, hazardous pollutants, UWWTR self monitoring	Sanitary	12	6	12	For 12 samples 1 out of hours sample per annum, for 6, 1 every 2 years on average
	Non sanitary	6	6	6	
>20 m <sup>3</sup> /d (but not in tier3) with numeric limits for one or more of biochemical oxygen demand or suspended solids or pH or temperature only.	Sanitary	12	4	12	For 12 samples 1 out of hours sample per annum, for 4, 1 every 3 years on average

## 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>
Total daily volume	Flow monitor	Annually Report to be submitted within 2 months of the end of the calendar year	1 January
15-minute flow	Flow monitor	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 - suspended solids (measured after drying at 105°C), pH, total available chlorine (filtered) and total iron as Fe	Filter Backwash Sample Point	Quarterly Report to be submitted within 28 days	1st of month
Operator Self Monitoring summary report	Filter Backwash Sample Point	Annually 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>
Total daily volume	WISKI electronic format specified by the Environment Agency
15-minute flow	WISKI electronic format specified by the Environment Agency
Operator Self Monitoring - suspended solids (measured after drying at 105°C), pH, total available chlorine (filtered), and total iron as Fe	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</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

<b>(b) Notification requirements for the breach of a limit specified in schedule 3 table S3.1</b>	
<b>The information specified below is to be notified to the Environment Agency as soon as reasonably practicable following detection.</b>	
Type of failure	e.g. maximum/other/minimum and maximum
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.

“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.

“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.

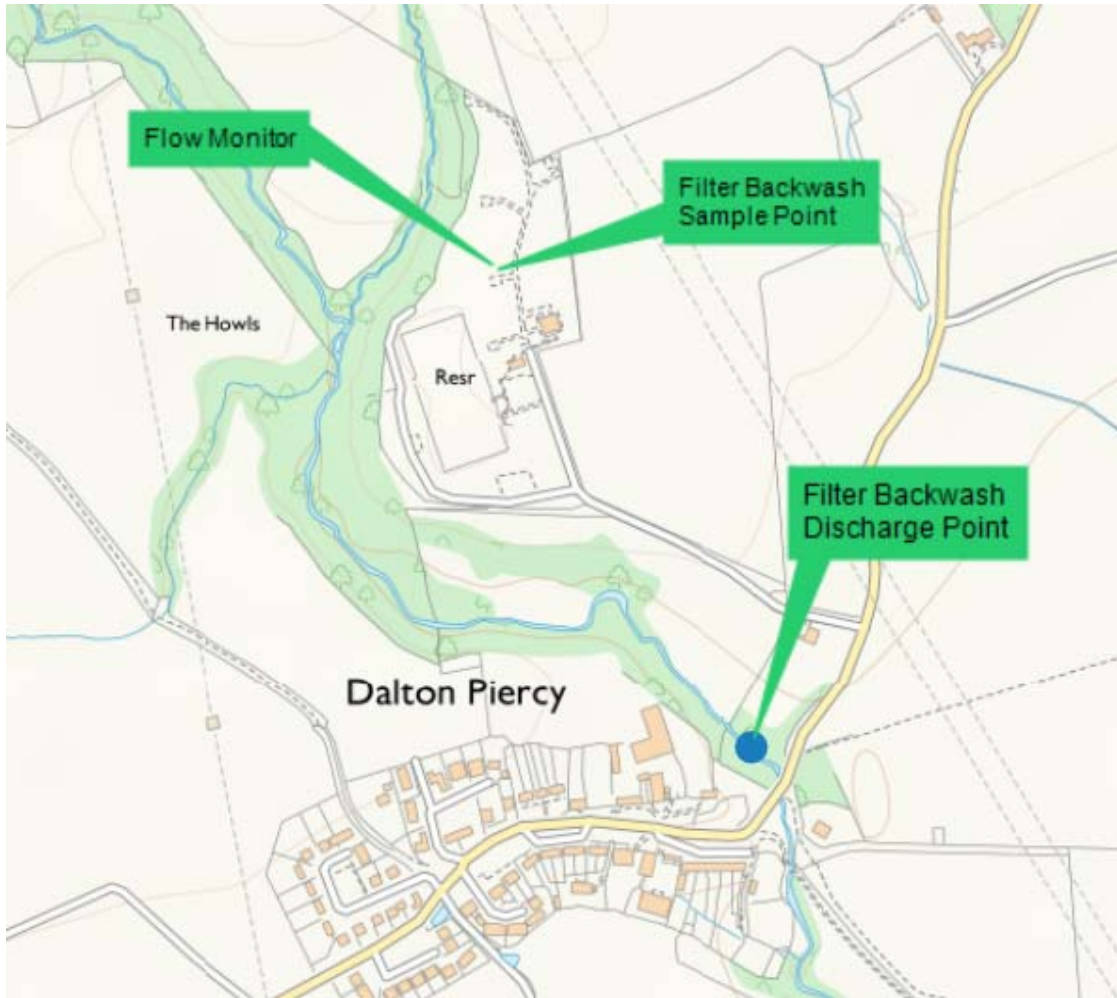
“MCERTS” means the Environment Agency’s Monitoring Certification Scheme.

"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).

“year” means calendar year ending 31 December.

# Schedule 7 – Site plan



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END OF PERMIT