



## **Bespoke Permit Application**

Whilton Water Recycling Centre

Anglian Water Services Ltd

Non Technical Summary

April 2024

Version 1.0

# Bespoke Permit Application for Waste Operations at Whilton WRC

## Non-technical Summary

### 1.1 Site and Location

This Environmental Permit application has been made by Anglian Water Services (AWS) Limited for Whilton Sewage Treatment Works (Water Recycling Centre; WRC) located at Whilton Water Recycling Centre, Whilton Locks, Whilton, Daventry, NN11 2NH (NGR: SP 61889 65109), hereby referred to as Whilton WRC.

### 1.2 Background and Current Position

Whilton WRC operates under the Urban Wastewater Treatment Regulations (UWwTR) for the treatment of indigenous sewage sludge. The site's operation is a non-hazardous waste activity which is currently carried out under a registered T21 exemption (WEX272987). The waste activity comprises of physio-chemical treatment of indigenous sewage, and the import and storage of wastes. Whilton WRC temporarily stores treated cake produced at other AWS sites before it can be deployed to land under Sludge Use in Agriculture Regulations (SUiAR), raw cake before this is exported to AW STCs (Sludge Treatment Centres) for treatment or limed on site to produce limed cake. No hazardous waste is imported or treated at Whilton WRC. The site has a standalone Water Discharge Activity Environmental Permit which will remain an independent permitted activity.

The pre-application reference from the Environment Agency is EA/EPR/KB3603UB/A001.

### 1.3 Details of Permit Application

AWS are applying for a bespoke waste operation permit for the WRC waste activity, due to the Environment Agency's decision that waste operation sites that store and treat biosolid wastes must be permitted under Environmental Permitting Regulations (EPR), and should no longer operate under a T21 waste exemption. The application is based on SR 2010 No 17 for the import of wastes for storage purposes. There will no increases to the storage capacity on the WRC.

The bespoke permit is to operate the cake pad area of the site for the storage of biosolids wastes including:

Digested cake (EWC code 19 06 06) before it is deployed to land.

Raw cake (EWC code 19 02 06) before this is exported to AW STCs (Sludge Treatment Centres) for treatment in an anaerobic digestion process which will generate biogas for electricity generation or limed on site when this is required.

Limed cake (EWC code 19 02 06).

For Anglian Water (AW) Water recycling Operational Logistics (WROL) and AW contracted vehicles access to the site can be at any time in case of need or emergency. Number and time of imports / exports of cake per day varies. As an indication the mean, minimum and maximum numbers per day when there were imports / exports over the 12 month period January 2023 to December 2023 were: Mean 5, minimum 1, and maximum 22.

AWS is seeking to set the total quantity of imported waste accepted at the WRC as 100,000 tonnes per annum (tpa), in line with a T21 waste exemption. The maximum amount of cake stored to Whilton WRC at any one time is 2500 tonnes and will not be stored for more than 12 months. No additional infrastructure or site operations will be changed or installed as part of this permit application. There will no increases to the storage capacity on the WRC.

The water recycling centre treatment process is not included in this bespoke permit as this operates under the Urban Wastewater Treatment Regulations.

#### 1.4 Environmental Setting and Risks

Whilton WRC serves a population equivalent of 28,000 and receives flow from a catchment area of Whilton and Daventry. The discharges are managed on an existing discharge permit, and this will remain a separate independent permitted activity.

The site sits outside 200m of an a European Site, Ramsar Site, or a Site of Special Scientific Interest (SSSI). The closest SSSIs are Bugbrooke Meadows, approximately 7.8km to the south east, and Everdon Stubbs approximately 8.4km to the south west.

The closest other designated site is Daventry Country Park (LNR), just over 4.1km to the west.

The site is not within an Air Quality Management Area; the closest AQMA is in Rugby approximately 9.7km to the north west at the closest point of the AQMA.

There are no point source emissions to land from the waste operation. There are no point or fugitive emissions to surface water or groundwater during normal operation. There are no point source emissions to air from the waste operation. Therefore, there are no control measures proposed for these point source or fugitive emissions.

Refer to the Environmental Risk Assessment and Environmental Management Plan for the risks and mitigation measures in place at Whilton WRC.

#### 1.5 Key Technical Standards

Description of the operation	Relevant Technical guidance	Document reference
<b>Whilton WRC</b>	Environmental management - guidance Developing a management system: environmental permits	<a href="https://www.gov.uk/guidance/develop-a-management-system-environmental-permits">https://www.gov.uk/guidance/develop-a-management-system-environmental-permits</a>
	Environmental management - guidance Control and monitor emissions for your environmental permit	<a href="https://www.gov.uk/guidance/control-and-monitor-emissions-for-your-environmental-permit">https://www.gov.uk/guidance/control-and-monitor-emissions-for-your-environmental-permit</a>
	Environmental management – guidance Risk Assessment for your environmental permit	<a href="https://www.gov.uk/guidance/risk-assessments-for-your-environmental-permit">https://www.gov.uk/guidance/risk-assessments-for-your-environmental-permit</a>

	Biological waste treatment: appropriate measures for permitted facilities - Biowaste Appropriate Measure Guidance	<a href="#">Biological waste treatment: appropriate measures for permitted facilities - Guidance - GOV.UK (www.gov.uk)</a>
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