



Water for the North West

United Utilities Water Limited
Haweswater House
Lingley Mere Business Park
Lingley Green Avenue
Great Sankey
Warrington WA5 3LP

Telephone: 01925 237000

unitedutilities.com

Our ref: EIR/ID256

Date: 05/02/2025

Email: EIRRequests@uuplc.co.uk

Dear [REDACTED],

Many thanks for your email below. Your request for information has been considered in accordance with the Environmental Information Regulations 2004 (EIR) and our comments are as follows:

Can you please tell me the details of rainwater flows used to calculate the size of the rainwater collection plant located on land to the west of John Street, Utkinton ([REDACTED]). If possible the min, max and average daily flows for 2024.

Utkinton Wastewater Treatment Works (WwTW) is a "Treat all Flows" sewage treatment works as defined by the Environmental Agency permit, which means that all flows that arrive at the WwTW must be treated through the treatment processes. The current design standard for a "Treat all Flows" WwTW is that all flows up to a 1 in 30 year return period theoretical design rainfall event must be treated. This rainfall event is derived from the Flood Estimation Handbook rainfall depth/duration/frequency data for the Utkinton catchment, (sourced from [Home Page - FEH Web Service](#)).

The volume of flow produced by the rainfall event must be contained at the WwTW and eventually passed through the treatment process once the storm has finished.

To undertake this estimate we use hydraulic network modelling to represent the pipe system, dry weather flow and rainfall runoff (based on an impermeable area survey of connected area to the sewerage network). The rainfall runoff 'rainfall flows' are those predicted by the model, based on the future design horizon set up. The design horizon set up incorporates an allowance for growth and urban creep in the model, and the design rainfall is uplifted to allow for climate change.

The calculation of the volume needed to contain a 30yr storm event was found to be 1,300m³. This results in the construction of a storage tank of that size on the site of Utkinton WwTW.

Should you consider that we have not adequately complied with our obligations under EIR, you have the right to ask us to carry out an internal review of our response. This can be done by writing to [REDACTED], Environmental Information Office, United Utilities, Haweswater House, Lingley Mere Business Park, Lingley Green Avenue, Great Sankey, Warrington WA5 3LP. Alternatively, you may find it easier to e-mail us directly on EIRRequests@uuplc.co.uk, quoting the above reference, and your review request will be forwarded on to [REDACTED].

Any request for an internal review should explain why you wish a review to be carried out, and should be made within 40 working days of receipt of this letter, and we will reply within 40 working

days of receipt. If you are not satisfied with the result of the review, you then have the right to make a formal complaint to the Information Commissioner.

Many thanks
EIR Team