



Clearwater Court,
Vastern Road,
Reading
RG1 8DB

The Planning Inspectorate
Temple Quay House
Temple Quay
Bristol
BS1 6PN

05/10/23

To the Planning Inspectorate,

This letter is in response to action 11 asked of Thames Water Utilities Limited (TWUL) at 'Luton Airport Expansion - Issue Specific Hearing 6 (29/09/2023)' regarding the upgrades of East Hyde Sewage Treatment Works (STW) as seen below. This is for submission for deadline 3 – 05/10/23.

| Water resources and drainage | | | |
|-------------------------------------|---|--------------|----|
| 11 | <p>Confirm the situation with regards to the duty (or not) on Thames Water to take foul water, trade effluent and surface water from the Proposed Development.</p> <p>Confirm whether there is sufficient capacity at East Hyde Water Treatment Works to fulfil these duties and, if not, how long it is likely to be before sufficient capacity is available. Please indicate how confident the Examining Authority (ExA) can be about this timescale.</p> | Thames Water | D3 |

TWUL Duties:

TWUL has a statutory requirement to take domestic foul sewage under Section 94 of the Water Industry Act 1991. We will undertake the necessary sewer network upgrades to accommodate the proposed increase to domestic foul flows within TWUL's network.

TWUL does not have any statutory duty to take non-domestic foul sewage (including surface water contaminated with de-icer), however, this can be agreed through a Trade Effluent Consent. TWUL do have a statutory obligation to consider existing and any likely future increases to trade effluent flows discharging into the public sewer.

TWUL will not accept any surface water (un-contaminated) to the foul sewer network, unless all other routes are exhausted in line with the hierarchy of discharge.

East Hyde Sewage Treatment Works:

The water industry is funded in 5-year periods known as Asset Management Plans (AMP). Prior to each AMP starting, TWUL seeks funding from our regulator (Ofwat) based on information in the public domain to undertake upgrades of infrastructure to meet our statutory obligations under Section 94 of the Water Industry Act (provide, maintain, and extend).

Before delivering any upgrades, TWUL would seek certainty that developments are proceeding, and this certainty is typically provided from the granting of planning approval. TWUL would work with the Developer to understand the needs of the development and seek to ensure any required upgrades are delivered in line with those needs.

In the case of Luton Airport expansion, TWUL anticipate that upgrades would be required at the sewage treatment works (STW) to be able to treat the domestic flows from the full development. A phased approach can be assessed to understand if passenger numbers can increase in line with delivery of any potential upgrades; further discussions between The Applicant and TWUL are required to get to this stage. Upgrades at similar sized STWs to accommodate increased flows can take between 5 and 15 years to deliver in full.

With regards to accommodating non-domestic flows (Trade Effluent & Surface Water), TWUL have asked The Applicant to provide detailed information on all non-domestic flows. Once provided, TWUL can give a view as to what impact this will have on the existing infrastructure.

Yours sincerely,

Zack Salloum

Zack Salloum

East Hyde STW – System Planner

