

From: EIR Compliance

To:

Subject: 20260526 – EIR – Data supplied

Date: 26 May 2026 08:42:00

Reference Number: EIR

Dear

We refer to your request for information submitted to Yorkshire Water dated 27 April 2026:

“I note your reference to the Civil Engineering Specification for the Water Industry (CESWI) 8th Edition in relation to the design classification of service reservoirs.

As this document is not publicly accessible without purchase, I would be grateful if you could provide a brief summary of the relevant design classifications used by Yorkshire Water (for example, whether service reservoirs in this context are typically underground, partially buried, or above-ground covered structures).

This would assist in understanding the general infrastructure design without requiring access to proprietary materials.”

The Environmental Information Regulations provide a right of access to information that is held at the time a request is received. Where the requested information is not held in the format specified, and responding would require the creation of new information we are not obliged to do so under the Regulations. In discussing your request with the business we have confirmed that we do not hold a summary.

Outside the scope of EIR we asked the business if there is any information that we can provide to you for advice and assistance, they have provided the below:

Service Reservoir Design – Key Points

No single standard

Design follows a framework of standards, mainly:

- BS EN 1508 (water storage systems)
- CESWI (civil specs)
- Water Industry Specifications (WIS)
- UKWIR and Water UK guidance

Core Design Principles

Water quality (top priority)

- Prevent contamination (ingress, vermin, surface water)
- Keep water fresh (avoid stagnation)
- Provide access for cleaning and inspection

Hydraulic performance

- Ensure good turnover and mixing
- Avoid dead zones
- Often uses separate inlet/outlet and compartments

Capacity

- Sized for:
 - peak demand
 - resilience/emergencies

- Not oversized (to avoid water age issues)

Structural integrity

- Durable, watertight construction (usually concrete or steel)
- Designed to long asset life (often 80–120 years)

Security & resilience

- Locked access, screened vents/overflows
- Designed as critical infrastructure
- Usually multi-compartment for maintenance flexibility

Operability & maintenance

- Easy to inspect, clean, and isolate
- Includes:
 - drainage / washout
 - bypass arrangements
 - safe access

Compliance

Must meet:

- Water quality regulations
- Reservoirs Act (where applicable)
- DWI expectation

We trust that the provision of this data satisfies your request. In accordance with the Environmental Information Regulations 2004, if you are not satisfied with this reply to your request you can ask for an internal review. A request for an internal review must be submitted within 40 working days by contacting the Data Protection Team.

Thank you for contacting Yorkshire Water.

Yours sincerely,

Data Protection Team

Email: EIR@Yorkshirewater.co.uk