

Water UK Standards Board Strategy: Water Storage Units / Service Reservoirs

1. Purpose of this document

This document has been developed by the Water Industry's Standards Board (WSB) in recognition of the scrutiny drinking water storage units are under in relation to asset health, their age profiles, and hence the perceived need for new assets in the medium to long term. The aim is to identify and acknowledge any new or emerging construction techniques and engineering standards which apply to water storage units and ensure these are reflected and supported by appropriate international (ISO), European (CEN), British (BS) and if necessary, Water Industry Standards (WIS) or Industry Guidance Notes (IGN) .

2. Key Standards

There are at least two standards which currently apply to drinking water storage units. These are:

- BS EN 1508 1998: Water Supply – Requirements for the system and components for the storage of water.
- CESWI 8th Edition – Civil Engineering Specifications for the Water Industry

Although not relevant to all design and construction techniques, the following current WIS does apply:

- WIS 4-25-01 Issue 1 Specification for the use of steel tanks in the water industry

3. Key Areas of Activity for the Standards Board

In order to support the Water Industry, the WSB will undertake the following activities:

Action	Detail	Owner	Completion Date
Monitor and identify	Assess guidance UKWIR Ref RG/05 <i>Treated Water Storage Assets: Good Practice for Operation and Management Version 2 (2017)</i> Consider any inconsistencies against BS EN 15008.	Alan Brown	June 2024
Monitor and identify	Work with industry engineers and project managers responsible for Service Reservoir maintenance and construction (via Reservoir Forum) to help identify gaps in standards. Areas to consider include: • Precast concrete construction • Acceptable water tightness classifications • Roof coverings • Submarine access doors	Alan Brown	Sept 2024

4. Outcomes and Further Action

The above actions will be completed, and the plan revised once subsequent outputs are confirmed.