

## Basic Details

**Publish Date**

02 September 2025

**Case ID#**

3261

**Title**

Leakage from small raised reservoir

**Nation**

England

**Regulator Reference No.**

523

**Legal Status**

Non-statutory

**Reservoir Type**

Impounding

**Reservoir Capacity**

10M+ m<sup>3</sup>

**Year of Construction**

Unknown

**Main Construction Type**

Unknown

**Dam Height**

5 - 9.99 metres

**Dam Flood Category**

Other / Not applicable

**Hazard Class**

Undesignated / Unclassified

**Reservoir Use**

- Other

**Owner Type**

Unknown

## Incident Details

### Date & Time of Incident

09 December 2024 - 12:00

### Date Incident Closed

Not provided

### Observations that Caused the Incident to be Declared

- Leakage or seepage from a new leakage point

### Describe the Incident

This incident occurred at an unregistered SRR. An operative from an undertaker of a nearby LRR noticed water from the SRR running through a wall and over the towpath into a canal. There was also significant leakage through an embankment and into the river. The operative contacted the Environment Agency incident team. Local Environment Agency staff attended site and confirmed the wall was bulging and leaking. As this site was unregistered, there was no knowledge of design, maintenance or any surveillance. Attempts to contact a potential landowner were unsuccessful.

### Supporting Photos





## Causes and Impacts

### Natural Processes which Initiated or Contributed to the Incident

- Not provided

### Main Contributing Factors to the Incident Occurring

#### Dam Factors

- Deterioration of materials
- Instability

#### External Factors

- None

### Shortcomings

- Design shortcoming
- Maintenance shortcoming
- Surveillance shortcoming

### Root Cause of the Incident

### Impacts on the Reservoir

- Internal erosion (adjacent to structures)
- Settlement / deformation (outside normal or expected parameters)

### Supporting Photos

No images provided.

## Supporting Contributions and Studies

### Human Factors which Influenced the Incident

#### Instrumentation at the Reservoir

##### Was Instrumentation Effective?

Not Applicable

#### Assistance by External Parties and Impacts on Downstream Population

None

### Summary of Studies or Investigations Undertaken

#### Supporting Photos

No images provided.

## Lessons Learnt

### Lesson 1

- Operation and maintenance

SRR can pose risks to local infrastructure and the public. Although not required by law, they should be maintained appropriately to reduce risks of failure.

### Lesson 2

- Records and studies

If the SRR were to fail, there may be impacts on a nearby LRR. Owners of LRR should be aware of hazards surrounding their site so that they can mitigate the risk.

### Lesson 3

### Lesson 4

#### Closing Comments

#### Supporting Photos

No images provided.

Information provided has been sent from reservoir owners and engineers, and cleansed of personal information by the enforcement authority. We cannot guarantee the accuracy of the data, but if you find an error please contact the relevant enforcement authority.