Basic Details

Publish Date

02 September 2025

Case ID#

3113

Title

Breach of SRR from flood

Nation

England

Regulator Reference No.

302

Legal Status

Non-statutory

Reservoir Type

Impounding

Reservoir Capacity

10M+ m3

Year of Construction

Unknown

Main Construction Type

Earth fill embankment

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

22 May 2006 - 12:00

Date Incident Closed

Not provided

Observations that Caused the Incident to be Declared

- Dam or embankment overflowing or overtopping

Describe the Incident

This dam failed due to flood inflow. The dam overflowed causing erosion of the downstream shoulder and eventual breaching of the dam. The embankment was inadequately designed, as it was constructed of an uncontrolled mixed fill material, which contributed to the failure. The spillway provision was also inadequate

Supporting Photos

No images provided.

Causes and Impacts

Natural Processes which Initiated or Contributed to the Incident

- Not provided

Main Contributing Factors to the Incident Occurring

Dam Factors

- Other dam factors (describe below)

External Factors

- None

Shortcomings

- Design shortcoming
- Construction shortcoming

Root Cause of the Incident

Impacts on the Reservoir

- External erosion

Supporting Photos

No images provided.

Supporting Contributions and Studies

Human Factors which Influenced the Incident

Instrumentation at the Reservoir

No instrumentation was installed.

Was Instrumentation Effective?

Not Applicable

Assistance by External Parties and Impacts on Downstream Population

Fire brigade was called. Telephone calls were made to bank-side residents.

Summary of Studies or Investigations Undertaken

None.

Supporting Photos

No images provided.

Lessons Learnt

Lesson 1

- General design and construction

The embankment had not been designed to best practice with respect to dam design. Spillway facilities were inadequate. This lead to overtopping and failure of the embankment.

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.