



International Water Main Failure Database Stage 1 & 2

Background

The need for industry guidance on the most useful data to collect for water main failures has been highlighted at a number of forums, as such this project addresses the need to collect good quality and consistent data on the performance of water mains to conduct benchmarking and deterioration modelling.

The United Kingdom Water Industry Research centre (UKWIR) developed a national failure database for water mains. WSAA's version of the UKWIR National Sewer and Water Main Failure Database to suit Australian and NZ urban water industries through an annual licence fee was available to populate as Stage 1 of a two stage project.

The second stage of the project assessed and analysed water main failure data from the project participants. The purpose of the assessment was to identify gaps and errors in the data. The validation and analysis was required to identify trends, performance issues and areas for further investigation. Stage 2 of this project was completed by CSIRO in January 2013.

Outcomes and benefits

Outcomes:

Stage 1 deliverable

- Use of UKWIR portal to upload data

Stage 2 report

- WSAA Failure Database Individual Utility Report
- WSAA Failure Database Analysis General Report

Benefits:

- good quality and consistent data on the performance of water mains to conduct benchmarking and deterioration modelling.

Further Information

Dr Jaimie Hicks

Member and Program Manager

E jaimie.hicks@wsaa.asn.au

P (03) 8605 7605