



Condition Assessment Guidelines Stage 1 & 2

Background

This project started as a collaboration between WSAA, CSIRO, WERF and the Water Research Foundation (WRF). These research organisations have carried out significant work in the area of condition assessment and WSAA members and associate members benefited from this and the organisations co-funding of the project.

Stage 1 was in two parts, the first a review of condition assessment techniques in the Australian urban water industry carried out by CSIRO. WERF, through Jason Consultants then gathered UK and US case studies to form the second part. CSIRO compiled and consolidated all Australian and international case studies into a guideline report for project participants.

Stage 2 was undertaken by CSIRO and produced a robust readily up-dateable web based tool to assist asset management and maintenance practitioners in the selection of appropriate condition tools and techniques. This project was completed in 2010.

Outcomes and benefits

Outcomes:

Stage 1

- Condition Assessment of Pressure Pipes Guidelines

Stage 2

- Expert system CAST Condition Assessment Selection Tool

Benefits:

- Support asset managers in planning and justifying condition assessment programs.
- Access to industry knowledge and experience through case studies to reduce planning time and costs.
- Information on available condition assessment tools and techniques, including case studies to support CA planning .
- Access to information through a web-based decision support tool.
- Share knowledge and experience of inspection techniques, tool and technologies through providing reviews, case studies and ratings.
- Browse through case studies and reviews on condition assessment techniques as experienced by other water utilities.
- Discuss and comment on experiences to improve on our collective understanding of condition assessment techniques.

Access / How to purchase

This subscription project was funded by participating WSAA Member utilities. Non-participating WSAA Members and those without WSAA membership will be required to purchase the Stage 1 project deliverable. The deliverable will only be made available to water utilities. Prices will be calculated according to a utility's number of connections.

The key to the effectiveness of the tool is user input. Thus participating utilities agreed to give free CAST access to other utilities to ensure its usefulness and effectiveness. Follow [this link](#) to obtain a login and password.

Participating members can access this project via the [WSAA Member Portal](#). If you do not have access to the portal please contact web@wsaa.asn.au.

Further Information

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