

Condition Assessment Advantages

- Desktop assessment of risk identifies critical pipelines and sites where corrosion, abrasion, or other structural defects may exist
- External physical/visual inspection at potential failure sites identifies evidence of pipeline wall loss or other structural defects
- Produces wall thickness contour maps illustrating remaining wall thickness at surveyed sections
- Provides estimate of annual rate of wall thickness loss
- Provides remaining useful life estimate of surveyed pipelines and eliminates guesswork on when to repair or replace pipes
- Supports risk-based assessment and present worth analysis required for next step solutions
- Provides a basis for scheduling long-term inspection, maintenance and capital improvements



InfraMetrixSM
An Aqua Data Licensee

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PRESSURE PIPELINE CONDITION ASSESSMENT

Determining when to repair or replace pressure pipelines is a very difficult decision. Many utilities either wait for the pipeline to fail or make repair/replacement decisions based on age. Either decision can be costly. By waiting for the pipeline to fail, the utility could expend a lot of political capital, resulting in reduced customer confidence or regulatory agency involvement. On the other hand, a decision to repair or replace the pipeline based on age alone may mean spending unnecessary capital budget dollars to fix or replace pipelines before they have reached the end of their service life.

Our Risk-Based Approach

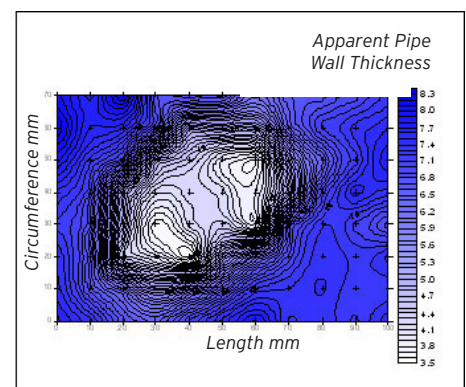
InfraMetrixSM has developed a programmatic approach to improving the decision process for repair or replacement by applying state-of-the-art technologies and GIS software that most utilities already own. We begin with a desktop risk assessment of your pipeline system using your records and GIS maps, and then zero in on potential trouble spots, gathering real-time data by inspecting pipelines and estimating current conditions.

We then develop a risk-based plan for what to do next, ranging from doing nothing to more detailed inspection using internal inspection technologies to support repair or replacement decisions. As a final step, we develop a long-term plan for inspection, maintenance and capital improvement that manages the risk of failure, projects the desired level of service, and optimizes the remaining useful life of your pressure pipe system.

From the very beginning, we work closely with you to develop a program based on *your* situation, taking into account several key factors. What are your financial capabilities – can you afford a major program now, or would you rather spread it out over time? What about your utility's internal capabilities – do you have staff that can perform repair functions that might otherwise go to an outside contractor?

We Deliver Results – Fast!

One thing that differentiates the InfraMetrix approach from others that take months or longer to produce a full report or action plan is that we structure your program to show value *early*. We deliver information on a monthly basis, providing you with data you can use – evidence that shows your stakeholders that the program is really working.



Providing innovative and affordable infrastructure diagnostic services to help clients prioritize long-term water, wastewater and storm water maintenance and capital investments for improved performance.

KEEPING THE FUTURE IN VIEW