

STATISTICAL CORRELATION OF PITTING MEASUREMENTS IN BURIED IRON PIPES

(PITS! DAMN PITS! AND STATISTICS)

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ABSTRACT

Nowadays. Managers of water systems need to know how their system is performing. This paper addresses the corrosion performance of buried pipelines, specifically with respect to pitting corrosion, and the distribution of the pits. A statistical technique based on random sampling of short sections of pipe is described, along with three case studies in the Sydney area. The major challenge of the technique is the extrapolation of data from several pipe lengths to the entire pipeline.

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