

# Internal Joint Seals Extend Life of 50-Year Old Pipeline

Michael Cronin<sup>1</sup>

## Abstract

There are many trenchless pipeline rehabilitation methods available to the industry. Each one of these methods are suited for their particular application. Relining and the insertion of a small diameter pipe in the existing pipe are the most recognized forms of trenchless technology. There are, however, many other rehabilitation products and procedures that play an equally significant role in the trenchless rehabilitation industry.

The oldest form of pipeline rehabilitation, particularly in the man-entry pipes or structures, is point repairs/spot repairs. In non man-entry, trenchless point repairs are available today in a myriad of methods, materials, and equipment. When man-entry rehabilitation is added to the equation, repair possibilities are endless.

In current economic times, the priority to accomplish more work for the dollars spent must be balanced by the need to satisfy concerns for improved public relations, minimal environmental impact, speed of accomplishment, quality, performance, and permanence. The internal joint sealing process utilizing an elastomeric joint seal with preformed retaining bands meets this criteria. They provide a mechanical seal on the inside of the pipe joint that gives a flexible, noncorrodible, and bottle-tight joint repair. A proven system of pipeline rehabilitation, internal joint seals offer a fast, safe, effective and efficient repair for underground pipelines.

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