PIPELINE CONDITION ASSESSMENT IN HONG KONG

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ABSTRACT
Over the past three years, the Hong Kong office of Black & Veatch Water Asia (B&V) has been commissioned by the Hong Kong Water Supplies Department (WSD) to carry out a number of important condition assessment studies on strategic large diameter water mains in Hong Kong. In addition, further condition assessment studies are currently being carried out on a number of sections of the network as part of the preliminary work associated with the investigation and design of Stage 2 of the WSD’s water mains rehabilitation programme.

The condition assessment work to be reported in this paper includes five large diameter trunk mains running beneath the road surface inside a heavily used road tunnel, twin 750mm diameter 12km long submarine water mains, and the use of innovative and specially designed non-destructive testing equipment for gathering comprehensive pipe wall thickness data along a large diameter steel pipe suffering from stray current corrosion.

This paper will describe the work and the technological innovations associated with these challenging condition survey projects.

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