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Mechanisms of Flow Accelerated Corrosion in CANDU Feeder Piping

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Abstract

Wall thinning caused by Flow Accelerated Corrosion (FAC) in CANDU feeder piping was calculated using WATHEC and modified WATHEC code. Possible FAC mechanisms were discussed. Finally, to correct positional as well as velocity dependency, modification of the model was introduced and compared to the actual wall thinning data.