



## Pipe Erosion Measurement

# INTRODUCTION

Erosion of piping is of increasing concern as plants age. Plant experience has shown that erosion can occur in elbows and in straight pipe sections located downstream of elbows. Conventional UT inspection of piping for erosion damage requires removal of insulation from the pipe and is time consuming and expensive to implement. In order to address this problem, MPM has developed an advanced guided wave inspection system.

The MPM approach is to first perform a screening inspection with the insulation in place. Long lengths of pipe are screened in a few minutes for erosion damage and further inspection is done if needed. In cases where erosion damage is detected, the pipe insulation is removed and a rapid scan is done along the pipe length to identify the damage location and the depth of wall thinning. The measurements along the pipe length are typically done at a rate of several inches of pipe length per second.

MPM will sell the inspection equipment and provide training to utilities. Alternatively, MPM staff can travel to the power plant and perform the inspection on a fee basis.

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# FOR MORE INFORMATION

If you would like a price quotation or additional information concerning MPM's services or products, please contact us at the below listed address:

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