JENTEK will adapt Meandering Winding Magnetometer (MWM)-Array technology and use JENTEK multi-variate inverse methods to deliver hybrid MWM-Array/MFL methods for ILI applications. For detection/sizing of internal/external corrosion, mechanical damage and SCC, with matching funds from Chevron, we will develop solutions for conventional pigs and platforms for unpiggable lines. We will also address concerns for pipelines with internal liners and coatings. Pigging platform providers will also provide matching funds.

PHMSA Funding: $ 633,943

This project adapted JENTEK's (MWM) Array and (MR) MWM Array for inspection and characterization of pipeline damage from inside the pipe using an in-line inspection or JENTEK PIG-IT tool. Advancements were made in the sensor configuration, instrumentation layout, mechanical integration, and data processing algorithms.

PHMSA A C C O M P L I S H M E N T S

PHMSA Funding: $ 633,943

Public Project Page
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US Patent under DOT Contract:
N/A