Quarterly Report - Public

Date of Report: *10th Quarterly Report – March 31, 2025*

Contract Number: *693JK32210010POTA*

Prepared for: *DOT PHMSA*

Project Title: ***Risk-Based Decision Support for Rehabilitation of Natural Gas Distribution Pipelines***

Prepared by: *GTI Energy*

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For quarterly period ending: March *31, 2025*

1: Work Performed During this Quarterly Period

Completed Task 5 – Evaluate Rehabilitation Options: This task identifies the liners, composite repairs, and other trenchless rehabilitation technologies in the market. Current and new technologies were reviewed based on the established material and installation requirements of professional organizations. The deliverable of this task is an assessment of the suitability of the selected rehabilitation applications.

The task report presents the rehabilitation options for pipelines subjected to metal loss, cracks, and other surface damages resulting from corrosion and external force threats. These rehabilitation options for hazardous liquid transmission and natural gas distribution and transmission lines include mechanical repair, composite pipes, and cured-in-place structural liners.

The report provides an overview of the above pipeline related threats and the fitness for service (FFS) evaluation process for the purpose of identifying pipe operating conditions which require repairs or replacement.

The rehabilitation methods for low pressure natural gas distribution systems include non-structural liners used in the protection against internal corrosion. These methods mainly apply to control leaks of cast iron and steel pipes. Metallic sleeves and composite wraps are used to control leaks caused by external corrosion.

Methods used in the rehabilitation of natural gas transmission and hazardous liquid pipelines include trenchless installation of composite pipes and use of composite wraps. Composite pipes are installed and monitored in these systems under special permits by PHMSA.

4: Project Schedule

Figure 2 shows the project schedule and progress as of the end of 9th Quarter. No time-related issues are reported in this quarter.

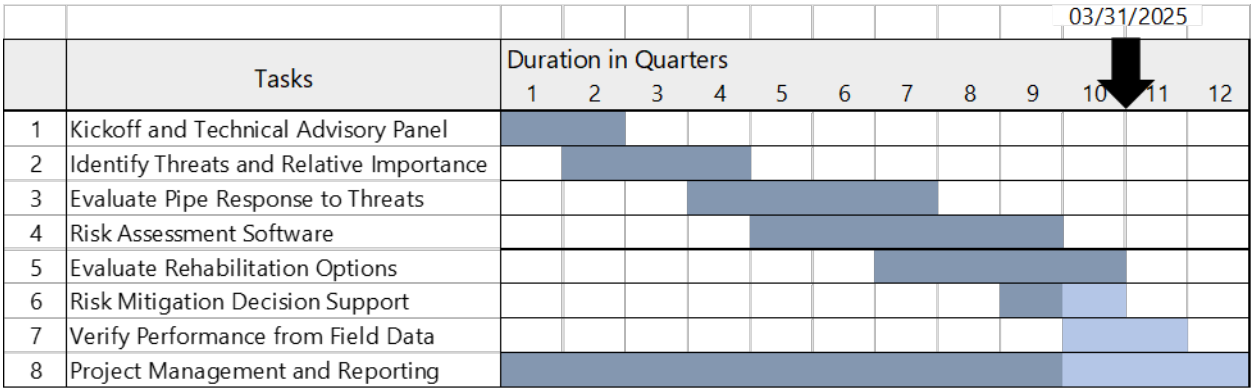

Figure 2 - Project time schedule

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