

## 5th Quarterly Report

Date of Report: *March 30, 2015*

Contract Number: *DTPH5614H00007*

Prepared for: *Pipeline and Hazardous Materials Safety Administration*

Project Title: *Improving Leak Detection System Design, Redundancy and Accuracy*

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For quarterly period ending: *March 31, 2015*

### **Project status:**

#### **1) Summary of Initial Findings**

Fifth quarter activities included completing the Phase III Report covering improving the reliability and accuracy of LDS and preparing this Quarterly Status Report.

#### **2) Teleconferences**

A face-to-face working session was held in Houston on March 11, 2015. Dr. David Shaw led a review of the Phase III Task 2 documents:

- Methodology for Leak Detection Systems Technology Selection and Engineering
  - Part 1 – Methodology Overview, Rev. 2.0
  - Part 2 – Overview of the Templates, Forms and Examples, Rev. 2.0

#### **3) Report Development**

Parts 1 and 2 of the Phase III Report “Technology Selection and Engineering” is being researched and written. This part covers improving the reliability and accuracy of LDS by developing a standard methodology for technology selection and engineering.

#### **4) Plans for Future Activity**

Sixth quarter activities will consist of completing Part 1 of the Phase IV Report which covers Prediction of Performance and the 5th Quarterly Report.