

Public Quarterly Report

Date of Report: 3rd Quarterly Report-June 15, 2020

Contract Number: 693JK31910015POTA

Prepared for: Government Agency: PHMSA

Project Title: Improving the Reliability, Detection, and Accuracy Capabilities of Existing Leak Detection Systems (CPMs) Using Machine Learning

Prepared by: Southwest Research Institute

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For quarterly period ending: June 26, 2020

1: Items Completed During this Quarterly Period:

<i>Item #</i>	<i>Task #</i>	<i>Activity/Deliverable</i>	<i>Title</i>
1	1	<i>Operator Survey Documentation</i>	<i>Operator Survey Documented in 1st Quarterly report</i>
4	5	<i>3rd Quarterly Status Report</i>	<i>Submit 3rd quarterly report</i>

2: Items Not-Completed During this Quarterly Period:

<i>Item #</i>	<i>Task #</i>	<i>Activity/Deliverable</i>	<i>Title</i>
3	2	<i>Data Curation and Analysis Documentation</i>	<i>Data Curation and Analysis Completion - Summary provided in 2nd Quarterly Report</i>

3: Project Financial Tracking During this Quarterly Period:

Part of internal report.

4: Project Technical Status –

4 5 2nd Quarterly Status Report Submit 3rd quarterly report

This report constitutes the third quarterly report for the Improving the Reliability, Detection, and Accuracy Capabilities of Existing Leak Detection Systems (CPMs) Using Machine Learning project, contract number 693JK31910015POTA. The Contract between the prime (PRCI) and the subcontractor (SwRI) has been finalized. Meetings continue to be held to discuss the technical activities. Steering Committee Meetings are held on the Third Wednesday of each month. The Supplier Survey has been completed and the resulting Survey Document is attached to this report. The Data Request for the operators supplying data for the project has been issued. The issued Data Request includes attachments spelling out the data requested and the security policies for the data. The operators are processing the Data Request.

1 1 Operator Survey Documentation Operator Survey

The Operator Survey has been completed and the Operator Survey Documentation for the project is attached to this report.

5: Project Schedule –

3 2 Data Curation and Analysis Documentation Documented in 1st Quarterly report Data Curation and Analysis Completion - Summary provided in 2nd Quarterly Report

No data has been collected by the project, so no curation or analysis has occurred yet. When data is collected, curated, and analyzed, a summary will be provided in the subsequent quarterly report. Operators are working internally to procure datasets for SwRI and have given a tentative timeline of about 1-2 months for datasets.