

# Quarterly Report – Public Page

Date of Report: July 3, 2019

Contract Number: AgreementNo.693JK31810016

Prepared for: Department of Transportation/Pipeline and Hazardous Materials  
Safety Administration

Project Title: Reliability of Subsurface Safety Valves

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For quarterly period ending: June 30, 2019

## Results and Conclusions:

During the third quarter of this project work began on Task 2, which consists of analyzing collected data and using it to develop evaluation criteria for subsurface safety valves (SSSVs). Battelle continued to communicate with UGS operators/subject matter experts regarding the use of SSSVs in their wells and obtaining data related to SSSVs reliability and failure rates. Securing operator well data is challenging due to the fact companies often consider the information as internal and/or proprietary. Battelle is coordinating the process for data transfer with INGAA and the team of industry subject matter experts.

In addition to working with industry experts, Battelle established an agreement with Sandia National Laboratories (SNL) to participate on the project as a partner. SNL is a valuable addition to this team, engaging additional industry experts, as well as state regulator agencies. These experts can provide additional resources for data. The SNL team plans to use their data mining techniques to facilitate more efficient data analysis.

All of the data obtained by Battelle and SNL will be analyzed and used to develop evaluation criteria for SSSVs. This information will be presented and discuss at an industry workshop, hosted by Battelle at the completion of Task 2.

## Plans for Future Activity:

Battelle plans to continue work on Task 2, working with INGAA and the team of industry subject matter experts on the data transfer process and SNL on their data mining techniques to facilitate efficient data analysis.