

## Quarterly Report – Public Page

Date of Report: *August 16, 2011*

Contract Number: *DTPH56-10-T-000021*

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

Project Title: *Advanced Learning Algorithms for PIGPEN*

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For quarterly period ending: *June 30, 2010*

### ***Public Page Section –***

#### **Work Completed During this Quarterly Period**

*During this reporting period, progress in developing and evaluating the self-learning algorithms that are to be tested in this project continued, supported in part by a parallel US Army project. As part of the parallel project, data have been gathered at PSI for several months. These data continue to be post-processed to develop, evaluate and optimize the self-learning algorithms. This work partially fulfills the objectives of project Tasks 2.0 and 3.1 (T&D Milestone Items 2 and 4)*

#### ***General Information required on all Public Quarterly Reports***

**Results and Conclusions:** *None to report at this time*

**Plans for Future Activity:** *Due to a change in project team participants, work on Project Tasks 2 and 3 was delayed for approximately two months. These Tasks involve installing the self-learning algorithms in the sensor hardware to enable real-time data processing, and testing the algorithms at PSI. We anticipate resuming this work in August 2011.*