

Quarterly Report – Public Page

Date of Report: *January 2016*

Contract Number: DTPH56-15-T00003

Prepared for: Pipeline and Hazardous Materials Safety Administration

Project Title: *Critical Review of Candidate Pipeline Risk Models*

Prepared by: *C-FER Technologies*

Contact Information:

Maher Nessim, PhD, PEng, FCAE

Phone: (587) 754 2339 ext. 207 | Fax: (587) 754 8026

E mail: m.nessim@cfertech.com

Jason Skow, PEng

Phone: (587) 754 2339 ext. 308 | Fax: (587) 754 8026

E mail: j.skow@cfertech.com

For quarterly period ending: *January 2016*

Technical Status

- Conducted project kick-off meeting with Technical Advisory Committee and PHMSA and submitted the final project plan
- Developed an online survey soliciting information on the key attributes of the ideal quantitative risk model
- Using the online survey, solicited input from the industry on the desirable quantitative risk model attributes and proprietary risk models in use.
- Collected responses from the survey and presented a summary to the Technical Advisory Committee at the Quarterly Review meeting

Project Deliverables Completed this Quarter:

- Conduct virtual meeting with Technical advisory panel and PHMSA representatives and develop final project plan.
- Conduct survey, and define key quantitative risk model attributes required to ensure successful implementation of risk models in pipeline industry.

Activities Planned for Next Quarter:

- Follow-up with survey respondents for detailed information regarding the proprietary quantitative risk models in use
- Continue to collect and review pipeline industry risk models. Analyze strength and weaknesses of the risk models, and summarize findings.
- Collect and review information regarding the quantitative risk models used in other industries such as aircraft, nuclear, offshore and power transmission systems. Analyze strength and weaknesses of the risk models in other industries, and summarize findings
- Identify and define standard risk outputs required for a quantitative risk model