

Quarterly Report

Date of Report: *February 14, 2010*

Contract Number: *DTPH56-08-T-000020*

Prepared for: *Government Agency: DOT and Co-funders: British Petroleum*

Project Title: *Internal Corrosion Detection in Liquids Pipelines*

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For quarterly period ending: *February 14, 2010*

List Activities/Deliverables Completed during this reporting period.

TECHNICAL STATUS –

In this report we will summarize the milestones achieved over the last 1 year.

Wetness Sensor

Initial leak test of the ball showed a failure at 550 psi. Several modifications were made to the ball so it withstands the pressure. The new balls have been machined and will go in to test and results will be reported next week.

Acoustics for Location

1. The design of the electronics is now complete. Details (schematics and layouts) will be provided next quarter
2. We have also discussed with BP's facility at Houston for the pilot trials. The pipeline with water in it will work for the initial field trials
3. We expect next quarter to have manufactured a prototype device for testing in the field