

Quarterly Report – Public Page

Date of Report: *October 14, 2010*

Contract Number: *DTPH56-10-T-000005*

Prepared for: *Pipeline & Hazardous Materials Safety Administration (PHMSA)*

Project Title: *Compatibility of Non-Ferrous Metals with Ethanol*

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This project extended the efforts made in previous projects that focused on industry survey and literature to investigate the compatibility of non-ferrous metals with ethanol. Electrochemical testing will be conducted to investigate the corrosion performance of a set of selected non-ferrous metals in fuel grade ethanol.

In this project quarter, five of the six procured materials arrived and electrochemical tests were conducted in SFGE under deaerated conditions to evaluate these materials. More testing will be conducted next quarter.