

Public Page

Improvements to the External Corrosion Direct Assessment Methodology by Incorporating Soils Data Agreement DTRS56-03-T-0003 1st Quarterly Status Report Project Start to June 30, 2003 Contractor: Battelle

This contract covers two separate projects. The first is adding soils data to the previously developed external corrosion direct assessment (ECDA) datasets and methodology. The second is developing a quantitative basis for evaluating the significance of specific time-dependent threats, as a basis for determining the effectiveness of mitigative measures.

Project 1: ECDA Soils Model

The objective of Project 1 is to add soils data and a soils model to the previously collected external corrosion direct assessment (ECDA) datasets and methodology. This project includes

- working with volunteer pipeline operators as they conduct ECDAs by qualitatively assessing and providing input to the programs,
- collecting soils-related data, and
- modifying an existing soils model, which was developed for stress-corrosion cracking assessments, for ECDA.

Project 1 includes the following tasks:

- Task 1 – Data review. The milestones for this task are a kickoff meeting and completion of the data reviews.
- Task 2 – Contacting pipeline companies. The milestones for this task are a review meeting and completion of a schedule for collection data.
- Task 3 – Data collection. The milestones for this task are additional datasets.
- Task 4 – Data alignment. The milestone for this task is completion of the alignment.
- Task 5 – Development of confidence measures and a soils model. The milestones for this task are a set of confidence measures and a soils model for incorporation into the ECDA methodology.
- Task 6 – Progress reporting. The milestones for this task are the progress reports.
- Task 7 – Final reporting. The milestones for this task are draft and final reports.

Tasks 1 and 2 have been completed. Task 3 will begin in the next reporting period.

Point of Contact:

Tom Bubenik
Battelle
505 King Ave.
Columbus, Ohio 43201
bubenik@battelle.org
Voice: 614-424-5331
Fax: 614-458-5331