

Public Page

This project started on 1 December 2004.

The Teletest[®] long-range guided wave ultrasonic system, supplied by one of the project partners, Plant Integrity Ltd, is being used as the vehicle for development and validation of enhanced pipeline inspection techniques.

During the Fifth Quarter, preparations were made for additional tests at the NYSEARCH/NGA test bed and for live tests in the Industry sponsors' territories. Also, both TWI and FBS conducted experimental studies and TWI performed tests on a 12" painted pipe for BP Houston, a TWI co-sponsor. Procedure revisions are evolving and will be completed in the next quarter. Through experimental studies and the first series of field tests, the sub-contractors are finding that the focusing technique is serving as a using way to improve resolution in local areas around the circumference of the pipe and to serve as a possible indicator of defect size and shape.

This report addresses project tasks:

Task #1-D NYSEARCH Planning & Preparation for First Series of Field Tests

- Start date: 1 February 2005
- Scheduled completion date: 30 November 2005
- Status: Completed for first tests; will continue for second tests

Task #1-E Field Series of Field Trials

- Start Date: 1 August 2005
- Scheduled completion date: 31 January 2006
- Status: Partially completed; FBS and TWI participation in tests are deferred until Spring

Task # 2-B Experimental Trials

- Start date: 1 May 2005
- Scheduled completion date: 30 April 2006
- Status: Ongoing

Task #2-C Procedure Revision

- Start Date: 1 October 2005
- Scheduled completion date: 31 May 2006
- Status: Ongoing

Task #3-A NYSEARCH Participation, Implementation of First Series of Field Trials

- Start Date: 1 September 2005
- Scheduled Completion Date: 31 January 2006
- Status: Partially completed; second set of tests are deferred until Spring pending desired test conditions

Task #5-B Utility Support for Field Trials

- Start Date: 1 September 2005
- Scheduled Completion Date: 31 January 2006
- Status: Ongoing