

Pipeline and Hazardous Materials Safety Administration



**Workshop on Advanced Coatings
R&D for Pipelines and Related
Facilities**

June 9-10, 2005

Gaithersburg, MD - USA

General Discussion

Next Steps

- Post all presentations on the Web and send attendees CD -2 weeks
- Review the Working Groups recommendations and prepare an Advance Coatings workshop Report findings –July 15
- Send report out for comments to the Steering Committee. –August 1
(Once comments are back & incorporated, post the report on the OPS web site: <http://primis.phmsa.dot.gov/rd/>)
- Notify all attendees of the posting by e-mail
- Prepare and issue a Coatings focused Solicitation
 - Knowledge Tools or Standards –September 1

OPS R&D Website

R&D Home Page - Microsoft Internet Explorer

Address: <http://primis.rspa.dot.gov/rd/>

Research & Development

U.S. Department of Transportation

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OPS Communications

Welcome to RSPA's Pipeline Safety Research and Development Website.

This site is dedicated to the coordination and dissemination of Research and Development information related to Pipeline Safety.

OPS conducts and supports research to support regulatory and enforcement activities and to provide the technical and analytical foundation necessary for planning, evaluating, and implementing the pipeline safety program. OPS is sponsoring research and development projects focused on providing near-term solutions that will increase the safety, cleanliness, and reliability of the Nation's pipeline system.



Recent R&D projects are focused on: leak detection; detection of mechanical damage; damage prevention; improved pipeline system controls, monitoring, and operations; and, improvements in pipeline materials. These projects are addressing technological solutions that can quickly be implemented to improve pipeline safety.

In 2003, a study by the General Accounting Office (GAO) found that OPS's R&D program is aligned with OPS's mission and pipeline safety goals.

US Department of Transportation - Research and Special Programs Administration - Office of Pipeline Safety

Address: <http://primis.rspa.dot.gov/gao2003.htm>

Project Map - Microsoft Internet Explorer

Address: <http://primis.rspa.dot.gov/rd/projectmap.htm>

Recent R&D Projects Map

U.S. Department of Transportation

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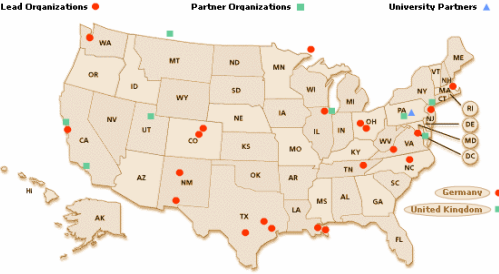
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OPS Communications

The symbols on the following map indicate the locations of research firms conducting projects for the Office of Pipeline Safety. Click these symbols to display further project information.

Lead Organizations ● **Partner Organizations** ■ **University Partners** ▲



Golden, Colorado
An Assessment of Magnetization Effects on Hydrogen Cracking for Thick-Walled Pipelines (100,000)

OPS Research and Development - Microsoft Internet Explorer

Address: <http://primis.rspa.dot.gov/matrix/PrJList.rdm>

Query by Category

Pipeline Type/Location	Risk Analysis Methods	Pipeline Condition/Pipeline Activities
<ul style="list-style-type: none"> Onshore Transmission Pipeline <ul style="list-style-type: none"> Gas Pipeline Liquid Pipeline Arctic Offshore Liquefied Natural Gas/LNG Natural Gas Distribution Storage Other Pipeline Types <ul style="list-style-type: none"> CO2 Propane Methanol Hydrogen 	<ul style="list-style-type: none"> Fracture Analysis Damage Condition Assessment Consequence Analysis Risk Assessment Incident/Root Cause Analysis 	<ul style="list-style-type: none"> Pipeline Condition <ul style="list-style-type: none"> Internal Corrosion External Corrosion Stress Corrosion Cracking Manufacturing Defects Weld/Fabrication Defects Ruptures Outside Force Damage Cathodic Protection Equipment Failures Pipeline Maintenance Pipeline Materials Repair/Rehabilitation Operator Error Excavation Techniques
Inspection and Assessment Technologies <ul style="list-style-type: none"> Leak Detection Airborne Monitoring In-Line Inspection/Pigging Hydrostatic Testing Direct Assessment Emerging Technology Non-destructive Testing/Evaluation Remote Sensing 	Regulatory Issues <ul style="list-style-type: none"> Damage Prevention Public Safety Pipeline Design/Construction Pipeline Mapping/Location Emergency Response Incident Reporting Data Quality Rights-of-Way 	Processes/Tools <ul style="list-style-type: none"> Quality Assurance Change Management Integrity Management <ul style="list-style-type: none"> USAs Communication Tools Performance Measure One-call Systems Types of Study <ul style="list-style-type: none"> Literature Review Study Project International Comparisons Types of Project <ul style="list-style-type: none"> Systems Development

OPS Research and Development: Baseline Study of Alternative In-Line Inspection Vehicles - Microsoft Internet Explorer

Address: <http://primis.rspa.dot.gov/matrix/PrJHome.rdm?prj=110>

OPS Research and Development

Baseline Study of Alternative In-Line Inspection Vehicles

Project Categories

Click on any category to see other projects in this category.

- In-Line Inspection/Pigging
- Internal Corrosion
- External Corrosion
- International Comparisons

Project Description

The purpose of this research is to conduct a baseline study of alternative ILI vehicles that might be able to negotiate unpiggable pipelines. The researchers will: (1) document the status of unpiggable pipelines and mitigation options, (2) document designs of ILI devices being used in other industries, (3) identify options to inspect transmission and distribution lines, (4) document current ILI systems in the U.S. and abroad, and (5) summarize internal tool capability in other related industries (nuclear, water, plant production).

- Total Project Proposal \$80,000.00.

Status History

Project initiated in October 2002. Project duration of 9 months. Third-quarter, 2003, status report posted, 8/29/03. Final Report and Close-out Presentation posted November 2003.

Attachments

- Projno110_1st_Qtrly_Rpt_Jan03_Public.pdf (177,048 bytes)
- Projno110_2nd_Qtr_Rpt_May03_Public.pdf (33,900 bytes)
- Third-quarter, 2003, status report from Southwest Research Institute. Projno110_3rd_Qtr_Rpt_082903_Public.pdf (11,386 bytes)
- Projno110_CloseOut_Oct07_2003_Public.pdf (2,936,324 bytes)

Fast Facts	
Research Entity:	Southwest Research Institute
COTR:	Wade Van Nguyen
Contract #:	DTRS56-02-T-0004
OPS Library No:	Unknown
Contact Info:	Ms. Janice Jackson 6220 Culebra Road San Antonio, Texas 78238 Email: acrouch@swri.org http://www.SwRI.org
Collaborators:	El Paso Pipeline Company Pipeline Research Council International, Inc. (PRCI)
Financial Data	
Status Code:	Current
Fiscal Year Started:	2002
End Year:	2003
Budget Allocation Type:	Unknown
Funded by OPS:	Yes
Co-Funders:	Co-funded by El Paso Pipeline Company and PRCI for \$40,000



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Thank You for Attending