

# ISA Training Seminar Surviving an LDAR Audit

Everyone has a good LDAR program until Audit time. The ultimate test for any LDAR (Leak Detection and Repair) program is passing an audit from the state, federal, corporate, or any third party auditors. Third party auditing is currently being put into effect by some states, and will most likely be required by everyone in the near future.

This seminar will help prepare you for the things that auditors look for, and make you better prepared when your audit does happen. It covers what the rules require, how to meet these requirements, and how to minimize or eliminate situations that will have a potential to become issues.

#### You will be able to:

- Identify equipment applicable to regulations
- Determine the most effective approach to fugitive monitoring
- Learn how equipment reliability can effect the outcome of an audit
- Set up a tracking system for preventative maintenance
- Use piping drawings to evaluate common process issues
- Learn Method 21 in depth as it is the "Bible" for LDAR
- Survive an unannounced audit without going into shock
- Establish ways to self audit your LDAR program
- Minimize or eliminate audit findings for open end lines

#### You will cover:

**Understanding LDAR:** Federal Regulation Requirements, Record Keeping, and Reporting • Compliance with New Regulations Added to an Existing Program

- Audit Criteria and how Audits are Conducted

**Strategy to Eliminate Delay of Repairs:** Valve Design and Leak Potential

- Selection of Equipment Based on LDAR Data • Using LDAR Data to Predict Potential Leaks • Equipment Compatibility with Process

**Ever Changing Process:** Keeping up with Equipment Modifications • Stream Identification • Regulation Changes or Additions

**Method 21:** Audit Tips • Specifications and Performance Criteria • Alternative to Method 21 • Response Factors

**Reporting and Recordkeeping – Auditing:** Keeping Data Accessible and Easy to Retrieve • Reviewing Criteria for Reporting • What to Expect if Audited

- Self-Auditing

**Instructor Buddy Joyner** is currently a Sr. Environmental Specialist for Ticona Polymers, Inc. in Bishop, TX. After nine years of operations experience in several chemical and plastic units, he was selected to establish and coordinate a fugitive emissions-monitoring program for this site. Through his efforts, many 'best practices' have been developed and shared around the world. In 1999, Celanese recognized Joyner for his contributions that resulted in a \$2,000,000 savings. In 2002, the EPA recognized Joyner for his efforts in proactively reducing cost and emissions associated with fugitive sources. He has considerable experience in fugitive emissions training development and presentation, and has presented numerous papers both in the US and abroad on this topic.

#### Seminar Details:

Date: 17 May  
No.: SP06PC  
Hours: 8:00 am - 4:00 pm  
Credit: 0.7 CEU / 7 PDH

## ISA's 5th Annual Fugitive Emissions- Leak Detection and Repair (LDAR) Training and Symposium

*"There's only one place that I know of where you can mingle with industry experts and pick their brains in an informal and conversational environment – ISA's LDAR Symposium."*

–Past attendee

[www.isa.org/fugitiveemissions](http://www.isa.org/fugitiveemissions)

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Training Seminar:  
**17 May**  
Symposium & Product Exhibit:  
**18-19 May**



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# ISA's 5th Annual Fugitive Emissions-Leak Detection and Repair (LDAR) Training and Symposium

Fugitive Emissions LDAR compliance is not getting any easier and viewpoints abound. Who has the "right answers?" Who has the right products?

ISA hosts the event that unites professionals with industry experts this May.

On 17-19 May in Houston, LDAR experts will come together to present valuable knowledge you can use to manage your LDAR programs with less risk and lower costs.

#### Why should you attend?

- Find solutions to the LDAR challenges you face
- Make your LDAR program more successful
- See the latest LDAR and laser imaging equipment in the vendor product showcase
- Network with other LDAR professionals
- Participate in panel discussions with regulators and consultants
- Learn ways to incorporate the latest VOC monitoring and detection equipment and techniques
- See how to implement consent decree compliance initiatives in our facility
- Get tips on preparing for LDAR audits
- Learn Title V updates
- Hear experts from the NEIC

[www.isa.org/fugitiveemissions](http://www.isa.org/fugitiveemissions)

Hear experts and representatives from NEIC, the USA EPA, and quality management districts provide solutions to LDAR technology challenges!

# Symposium Sessions, Product Technologies, and Panel Discussions

## Wednesday, 18 May

### A Day in the Life of an LDAR Field Person

John Long, Lyondell/Equistar Chemical

- This session brings you news and views from the front lines of LDAR compliance
- Long presents a real-world look at the challenges people are facing in the LDAR industry

### Self Auditing LDAR Data-Find It Before They Do

Chris Patterson, InspectionLogic Corp.

- This session presents ways to discover questionable data quickly
- How to trace it back to the root cause and correct the problem BEFORE it turns into an expensive violation
- Patterson offers suggestions on where to look for issues that auditors usually find

### Adapting Your LDAR Program to a New Regulation...Which Way to Run?

Roy Massengale, EnRUD Resources, Inc.

- What to do when your facility is affected by a new regulation that is more comprehensive and/or more stringent? Massengale discusses how to organize and channel your efforts towards preparation
- This session covers how to evaluate your current program and discusses the economic reality of a band-aid approach vs. a complete overhaul.
- Explore the right questions to ask and to help you identify what areas need attention BEFORE a new regulation creeps up on you

### Preparing for a Consent Decree – Our One Year Dress Rehearsal

Stefanie Bond, ChevronTexaco

- Bond discusses the kind of impact that Consent Decree can have on plant operations
- Bond describes a strategy for easing into the new standards before mistakes start getting expensive; how to know “what’s working”

### LDAR Management of Change (MOC): An Ounce of Prevention

Ronald Ricks, BP

- This presentation reviews MOC methods that aid in maintaining LDAR inventories
- Training and communication often aren’t enough. Ricks offers additional procedures and steps that should be taken

### LDAR Regulatory Enforcement Panel Discussion

Experts and representatives from the NEIC, EPA, and others will offer their experiences and perspectives on LDAR compliance and enforcement. Bring your questions! This is the only place you can seek answers in an informal and open setting.



For program updates, visit [www.isa.org/fugitiveemissions](http://www.isa.org/fugitiveemissions)

## Thursday, 19 May

### The New Laser Imaging Rule – an Alternative Work Practice for LDAR

David Markwordt, EPA

- An update from the EPA on the new alternative Work Practice being drafted for fugitive emissions monitoring

### Optical Imaging: What’s In It For Me?

Wayne A. Sadik,

ExxonMobil Chemical Company

- Optical Imaging is currently being used to evaluate emissions by representatives from industry and regulatory agencies. It can be used in a broad range of petrochemical plants by both plant personnel and by regulatory agencies to detect fugitive emissions in an effective and cost effective manner
- Sadik takes a fresh look at the pro’s and con’s of Optical Imaging from an industry perspective

### Today’s Hardware Technology for Smart LDAR

Mike Smylie, ERM

- Smylie introduces the different technologies available and prepares you for the equipment demonstration following his session
- Smylie also describes recent work on a large scale remote sensing project that is part of a follow-up to the Texas Air Quality Study performed in 2000

### Smart LDAR – Live Product Demonstrations

Camera manufacturers will set up and demonstrate their technology. See the latest generation equipment that is available NOW!

For program updates, visit [www.isa.org/fugitiveemissions](http://www.isa.org/fugitiveemissions)

### Prepare Daily for an LDAR Audit

Greg Walton, Xact LDAR Solutions

- This session offers tools and tricks to help you proactively position your LDAR program to be Audit-ready
- You’ll hear examples of audit findings that could have been prevented, and antidotes that will keep them from happening at your facility

### Practical Aspects of Calibration

David Ranum & Buzz Harris, URS

- Calibration is one area that can get you into trouble. This presentation explores a full range of issues surrounding calibration, quarterly performance certification, and drift checks
- Ranum uses comparative data to reveal possible variations when using bags vs. Y-fittings vs. demand flow regulators

### Generating Stability in Your LDAR Staff

Rex Moses, Environmental Analytics, Inc.

This session focuses on recruiting, developing, motivating, and retaining quality employees to do what no one would ever volunteer to do on their own

### Wireless Monitoring of Pressure Relief Valves

Wallace Lueders

- Lueders discusses continuous monitoring of pressure relief valves using non-invasive sensors that communicate through a wireless radio link to a central data collection point

## Symposium Chairs

ISA is proud to welcome John Cermenaro and James Robinson back as co-chairs of the Fugitive Emissions-LDAR symposium.

**John Cermenaro, InspectionLogic** - Mr. Cermenaro became involved with Fugitive Emissions/LDAR from the data management software side of the business in 1995. He holds a Bachelor of Science degree in Mechanical Engineering from Worcester Polytechnic Institute in Massachusetts.

**James Robinson, Exxon Mobile** - Mr. Robinson ensures that resources are allocated to meet the regulatory and legal requirements pertaining to fugitive emissions monitoring. He supervises LDAR-related activities within the Environmental Group.

## Vendor Product Showcase

Stop by and see these event sponsors and learn how they can help you implement new fugitive emissions and LDAR solutions.

Exhibiting Companies: • Accutech • ARI Environmental • CDIS • EFSU • EnRUD Resources • Inspection Logic • Proactive Environmental • Shaw Environmental

Exhibit opportunities and sponsorships are still available. Contact Rodney Jones at (919) 990-9418 or [rjones@isa.org](mailto:rjones@isa.org) for details.

ISA's 5th Annual

## Fugitive Emissions-Leak Detection and Repair (LDAR)

Training and Symposium

### Dates

Training Seminar: 17 May

Symposium & Product Showcase: 18-19 May

### Location

South Shore Harbour Resort & Conference Center

2500 South Shore Blvd

League City, TX 77573

Phone: (281) 334-1000

Special Event Room Rate: \$109 (good through 26 April)

## Registration Fees

### Training Only

\$395 ISA Member, \$445 List

### Symposium Only

Before 18 April: \$350 ISA Member, \$450 List

After 18 April: \$375 ISA Member, \$475 List

Save 10% when you register for both!

Before 18 April:

\$710 ISA Member; \$795 List

After 18 April:

\$755 ISA Member; \$845 List

## How to Register

Online: [www.isa.org/fugitiveemissions](http://www.isa.org/fugitiveemissions)

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