Oil and Gas Presentation & Training Summary

### Wednesday – Oil & Gas Training Classes

- Quantitative Optical Gas Imaging
- OOOOa LDAR Training
- Oil and Gas Regulations, What you need to focus on now

### Thursday – Oil & Gas Breakout Presentations & General Session

- LDAR, Fugitive Emission Monitoring and Compliance
- Digital Transformation, Best Management Practices
- Air Permitting and Enforcement
- Midstream Emerging Technologies, Launching & Receiving
- 6th Floor Exhibit Hall Stage – Oil & Gas General Session
  - Tom Hutchins, Kinder Morgan, HSE Buy-in, How to Get it and How to Give it.
  - Kinder Morgan, Blowdown Reductions
  - Karen Marsh, EPA, 40 CFR 60 Subpart OOOOa Update Industry Programs Panel

### Friday – Oil & Gas Training Classes

- SPCC Training
- Stormwater Training
- EPA - Class Spill Prevention, Control, and Countermeasures
- Advanced Excel Skills for Environmental Professionals
- EPCRA / TRI Training
- Oil & Gas Stack Testing Permitting for Compressor Stations
- Drone 3D Modeling and Photogrammetry

### Friday – Oil & Gas Breakout Presentations

- Fugitive Emission Monitoring, Inspection and Detection Technologies
- Methane Detection, Quantification and Advanced Monitoring Technologies
- Emission Controls & Best Management Practices

### Saturday Oil & Gas Training

- HSE Leadership Training
Oil and Gas Agenda

Wednesday – Oil & Gas Training Classes

**Room 417A**
- 01:00 pm – 05:00 pm  Class Spill Prevention, Control, and Countermeasures – Chris Perry – US EPA

**Room 414**
- 01:00 pm – 05:00 pm  Jon Morris & Yousheng Zheng, Providence Photonics, Quantitative Optical Gas Imaging

**Room 415AB**
- 09:00 am – 12:00 pm  Jeff Diehl, Think Environmental, OOOOa LDAR
- 01:00 pm – 05:00 pm  Calvin Niss Trihydro, Oil and Gas Regulations – What you need to focus on now

**Breakfast, lunch, snacks, concerts, happy-hours, receptions, swag, and full access to all training sessions & presentations are all included in one low registration price.**

**See the Spazmatics at Cedar Street!**
### Thursday – Breakout Presentations & General Session

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<th>Room 617 – Oil &amp; Gas Midstream Developments, Launching &amp; Receiving</th>
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6th Floor Exhibit Hall Stage – Oil & Gas General Session

12:30 pm – 1:00 pm  HSE Buy-in: How to Get it & How to Give it – Tom Hutchins – Kinder Morgan
1:00 pm – 1:30 pm  Reducing Blowdown Emissions – Karen Nielson – Kinder Morgan
1:30 pm – 2:00 pm  EPA OOOOa Update – Karen Marsh – Environmental Protection Agency
2:00 pm – 2:30 pm  AWP Update – Karen Marsh – Environmental Protection Agency
2:30 pm – 3:00 pm  Break
3:00 pm – 4:00 pm  Industry Programs Panel
  • Environmental Partnership – Matt Todd
  • One Future – Richard Hyde
  • NASA JPL
4:00 pm – 5:00 pm  Leadership & Diversity Panel
  • HollyFrontier – Sucheta Gokhale
  • Colorado Research Collaboratory – Maury Dobbie
  • 4C – Uzi Ibrahim

Friday – Breakout Presentations

Room 616A – Oil & Gas Fugitive Emission Monitoring, Inspection and Detection Technologies
08:00 am – 08:30 am  Quadcopter Drones, Fixed Wing Drone, Helicopters, or Fixed Wing Plane? – David Furry – Leaks Surveys, Inc
08:30 am – 09:00 am  Methane Detection using Satellites – Stephane Germain – GHGSat
09:00 am – 09:30 am  MethaneSAT 2021 Satellite Methane Detection Coming Soon – Tom Ingersol – EDF
09:30 am – 10:00 am  Break to Enjoy the Exhibit Hall Refreshments
10:00 am – 10:30 am  Satellite–based Hyperspectral Analysis for Emissions Detection, Integrity Monitoring and Compliance – Peter Weaver & Tushar Prabhakar – Orbital Sidekick
10:30 am – 11:00 am  Airborne LIDAR Pipeline Inspection Systems – Tim Goolsby – Lasen
11:00 am – 11:30 am  Autonomous Mobile Methane Monitoring – Brendan Smith – SeekOps
11:30 am – 12:00 am  Drone Based OGI OOOOa (Quadcopter Drone) – Roy Massengale – Enrud

Room 616B – Oil & Gas Methane Detection, Quantification and Monitoring Technologies
08:00 am – 08:30 am  Open Presentation Slot
08:30 am – 09:00 am  Open Presentation Slot
09:00 am – 09:30 am  Applications and Field Results for Quantitative Optical Gas Imaging – Jon Morris – Providence Photonics
09:30 am – 10:00 am  Methane Data Collection, Gas Infrastructure, Transformational Analytics, Actionable Results – Aaron Van Pelt – Picarro
10:00 am – 10:30 am  Handheld TDLAS for Quick, Safe Methane Leak Detection in Difficult to reach Areas – Jacob Melby – Sensit Technologies
10:30 am – 11:00 am  Break to Enjoy the Exhibit Hall Refreshments
11:00 am – 11:30 am  Laser Dispersion Spectroscopy – Large Area Fugitive Monitoring – Mohammed Belal – Mirico
11:30 am – 12:00 am  Gas Mapping LiDAR (GML) Methane Emission Quantification & Operational Efficiency – Peter Roos – Bridger Photonics

Room 617 – Oil & Gas Emission Controls & Best Management Practices
08:00 am – 08:30 am  Open Presentation Slot
08:30 am – 09:00 am  Acoustic Condensate Stabilization – Stephen Saint Vincent – Saint & Tiller Technologies
09:00 am – 09:30 am  Best Practices for Vapor Recovery Systems to Reduce Venting and Flaring with Economic Benefit – Jeff Voorhis – HY–BON
09:30 am – 10:00 am  Do you have the Right Tank? Thief Hatch? – James Van Horne – SLR International Corporation
10:00 am – 10:30 am  Break to Enjoy the Exhibit Hall Refreshments
10:30 am – 11:00 am  Design & Operation Guidelines for Low Heater Emissions – Erwin Platvoet – XRG Technologies
11:00 am – 11:30 am  Isn’t It Ironic? A Case Study On Dry Seal vs. Wet Seal Centrifugal Compressor Emissions – Brandon Mogan – Montrose
11:30 am – 12:00 am  Flare LESS Profit MORE – Michael J. McMahon – EcoVapors Recovery Systems
12:00 pm – 01:00 pm  All 6th Floor Presentation Rooms Break for Lunch in the Exhibit Hall
### Friday – Training Classes

**Room 417A**
- 08:00 am – 12:00 pm  Bison Engineering, SPCC Training
- 01:00 pm – 05:00 pm  Stormwater Training Class

**Room 602**
- 08:00 am – 10:00 am  Robert Opiela, Naviknow, Air Dispersion Modeling Best Practices
- 10:00 am – 12:00 pm  John Beath, John Beath Environmental, Advanced Excel Skills for Environmental Professionals
- 01:00 pm – 05:00 pm  Shawn Dolan, Virtual Technology, US EPA Visible Emissions Management Certification
  - US EPA Alternative Method 082

**Room 616A**
- 01:00 pm – 05:00 pm  Bob LaRosa, Aarcher Inc., EPCRA / TRI Training

**Room 616B**
- 01:00 pm – 03:00 pm  Robert Hargraves, BAIR, Oil & Gas Stack Testing
- 03:00 pm – 05:00 pm  Joel LeBlanc, Ashworth Leininger Group, Permitting for Compressor Stations

**Room 617**
- 01:00 pm – 05:00 pm  Kwasi Perry, UAV Survey Inc., Drone 3D Modeling and Photogrammetry
# 2020 4CConference Training Agenda

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01:00 pm – 05:00 pm  
Robert Opiela, Naviknow, Practical Dispersion Modeling

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