

# OPTICAL GAS IMAGING STAKEHOLDER WORKSHOP

## November 9-10, 2020

Times are in Eastern Standard Time

### **Day 1**

- 10:00 Opening Remarks – *Penny Lassiter, EPA’s Office of Air Quality Planning and Standards, Sector Policies and Programs Division*
- 10:10 The Challenges of Long-Range Automated Detection and Quantification using OGI – *Ilan Waldman and Ram Hashmonay, Opgal*
- 10:35 Useful Figures of Merit for Selection of OGI Cameras – *Jonas Sandsten, FLIR Systems*
- 11:00 The Development of a Testing Platform to Enable the Assessment of the Performance of Camera Operators – *Neil Howes, National Physical Laboratory*
- 11:25 Break
- 11:35 Detection Limits of Optical Gas Imaging – *Yousheng Zeng and Jon Morris, Providence Photonics*
- 12:15 Detection Limits of Optical Gas Imaging for Natural Gas Leak Detection in Realistic Controlled Conditions – *Dan Zimmerle, Colorado State University*
- 12:55 Alternative Work Practice: The Keys to OGI Operator Training – *Jared Metcalf, Montrose Environmental*
- 1:15 Break
- 2:15 Stakeholder Input Session #1 – Instrument Capabilities
- 3:30 Break
- 3:45 Stakeholder Input Session #2 – Operator Training/Verification
- 5:00 Adjourn

### **Day 2**

- 10:00 Opening Remarks – *Chet Wayland, EPA’s Office of Air Quality Planning and Standards, Air Quality Assessment Division*
- 10:10 OGI Through the Years – *David Ranum, TRICORD Consulting*
- 10:35 Advancements in OGI Technology, Training and Reporting – *Craig O’Neill, FLIR*
- 11:00 Alternative Work Practice Strategies: Procedures for Using OGI – *Terence Trefiak and Andrew Sheffler, Montrose Environmental*
- 11:30 Break
- 11:40 OGI Was Here – *Derek Reese, ExxonMobil*

- 12:15 Variability in Real-World Performance of OGI-Based Leak Detection Surveys – *Arvind Ravikumar, Harrisburg University*
- 12:35 Enhanced Image Processing of OGI – *Pawel Lichtarski, Konica Minolta*
- 12:45 Capabilities of Optical Gas Imaging – *Tracey Footer, Eastern Research Group*
- 1:00 Optical Gas Imaging Observer Certification Method Concept – *James Jarrett, West Virginia Department of Environmental Protection*
- 1:15 Break
- 2:15 Stakeholder Input Session #3 – Survey Procedures
- 3:30 Break
- 3:45 Stakeholder Input Session #4 – Recordkeeping and Reporting
- 5:00 Adjourn