

LDAR Solutions

Meet Today's Standards and Tomorrow's Regulations
Appendix K & NSPS 0000b/c

Achieve your Low Carbon Economy (LCE) goals with state-of-the-art leak detection and repair (LDAR) services from Encino Environmental Services. Our skilled LDAR crews use industry leading technology, including quantitative optical gas imaging (QOGI) cameras, and are unmatched in their professionalism.

The Complete Solution for Emissions Detection, Quantification, and Reporting

- **People.** Our crews have decades of experience performing LDAR surveys for both compliance and voluntary emissions reduction initiatives in a safe and professional manner.
- **Proprietary QOGI Technology.** We use our own industry leading handheld cameras, SENSIA's Mileva 33 and Caroline Y models, equipped with the most advanced QOGI technology for the detection of fugitive emissions. Mileva 33 cooled detector and Caroline's uncooled detector offer optionality to fit different detection sensitivity and budgetary needs.
- **SEMTECH HI-FLOW 2 Technology.** The SEMTECH HI-FLOW 2 is a robust, portable, battery powered, high volume sampler for quantifying fugitive methane emissions.



Quantitative optical gas imaging (QOGI) is the difference

SENSIA QOGI cameras from Encino use tested algorithms for gas detection combined with the most advanced signal integration technology and AI for data analytics. This QOGI embedded processing is driven by our proprietary Redlook technology that performs sophisticated AI analytics, including flow rate quantification of observed gas.

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Encino QOGI technology has a detection sensitivity as low as 0.4 grams/hour (following EPA's guidance on detection assessment), exceeding EPA's existing requirements under 40 CFR Part 60 0000a, and as proposed in 0000b and 0000c.

Encino's LDAR multi-service operator (MSO) crews have expertise covering all compliance and voluntary requirements in support of new regulations.

We can customize our survey protocols to go beyond compliance requirements to include multiple points of quantification to meet your specific emissions monitoring and quantification objectives.



Applicability

- **OGMP 2.0** (Level 4 and Level 5 “Gold Standard” reporting).
- Meet 40 CFR Part 60 proposed **Appendix K** requirements.
- Meet **NSPS 0000b** requirement.
- Comply with Method 21 LDAR (0000a, VVa, and additional permit conditions).
- Support certified natural gas initiatives.
- Support Voluntary Emissions Reduction (VER) initiatives for **Carbon Capture Credits** and shelter from **Methane Tax** regulations and other emissions reduction goals.
- Orphan well emissions identification and quantification.

Benefits

- On the spot mass emission rate quantification.
- Compliance with existing and proposed EPA requirements.
- Minimize methane tax liability.
- Capitalize on carbon credit markets.
- Achieve Low Carbon Economy initiatives.



The Encino Advantage

As a service provider, we understand our role in helping clients meet their compliance obligations and achieve their environmental performance objectives. Whether you need one piece of the puzzle, or the entire picture, we can help design and tailor an emissions monitoring and performance program that fits your operational needs, corporate strategy, and budget.