

Odor Detectability for Critical Facilities

Detectable Where People Are.

Gas can be properly odorized at the meter and still not be reliably detectable everywhere it travels once it enters a complex building. Hospitals, campuses, high-rise towers, and other multi-zone facilities have long internal runs, mechanical rooms, and HVAC interactions that odorant behaves differently in than it does in open pipeline — and those are exactly the buildings where a missed leak carries the highest consequence.

MRR extends its analytical validation work indoors, assessing detectability through a facility's own infrastructure rather than assuming meter-level odorization is enough. The result is documentation a facilities team, code official, or insurer can rely on — not an assumption carried over from the utility side of the meter.

Detectability Assessment

MRR samples gas at multiple points inside the building's own distribution — mechanical rooms, risers, and end-use points — rather than relying on a single reading taken at the service entrance. The same multi-point analytical approach used in MRR's pipeline validation work is applied to the building itself.

Customer Value

- Multi-point sampling through mechanical rooms, risers, and end-use points
- Measures what building occupants would actually encounter, not just what enters the meter
- Applies MRR's existing analytical validation methodology indoors

Fade Risk Identification

Odorant can fade against pipe walls, absorb into certain materials, or dilute through HVAC interaction over the length of run inside a large facility. MRR identifies which of these conditions are present in a given building and where along the run detectability is most at risk.

Customer Value

- Identifies the building-specific conditions that contribute to indoor odor fade
- Flags the segments of a facility's gas distribution most at risk of falling below detectable levels
- Findings tied to the physical layout of the facility, not generic guidance

Technical Guidance & Documentation

Every assessment closes with practical guidance for closing any detectability gaps found, plus documentation suitable for a facilities team, code official, or insurer to review. For campuses or facilities with recurring risk, the assessment can be run on a scheduled basis.

Customer Value

- Actionable guidance for remediating any detectability gaps identified
- Documentation suitable for code, insurance, or life-safety review
- Available as a one-time assessment or a recurring program

Why MRR

- Same rigorous, multi-point analytical approach as MRR's pipeline validation work, applied indoors
- Deep familiarity with both meter-level odorization and building mechanical systems
- Documentation built for life-safety and code compliance review, not a generic report
- One team for both meter-level odorization and building-level detectability

Make Sure Gas Is Detectable Where People Are

Whether you're evaluating a hospital, campus, or high-rise property, MRR can assess detectability through your building's own infrastructure and provide the guidance and documentation to close any gaps found.

Discuss Critical Facility Detectability → Contact Us