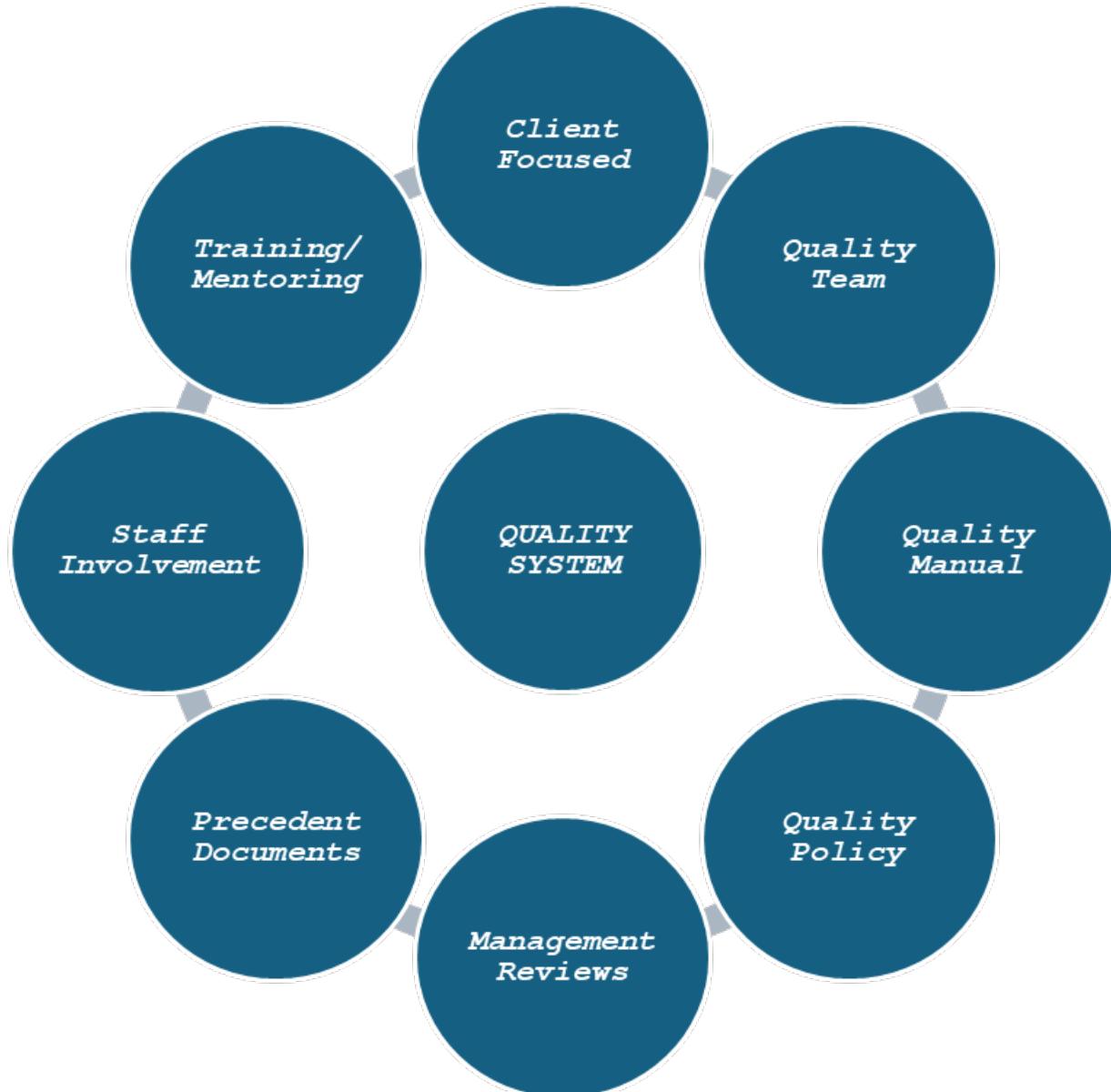


# Quality Management Systems for Soil Gas Mitigation Professionals

ENSURING RELIABLE STANDARDS IN SOIL GAS MITIGATION PRACTICES

# Quality Management Systems Overview





# What is a QMS & Why It Matters

## **Definition of QMS**

QMS is a formal framework of policies and procedures to ensure consistent high-quality results.

## **Universal Need for QMS**

All radon mitigation professionals, solo or firms, require a QMS for quality and safety.

## **QMS Benefits**

QMS protects customer safety and enhances business financial success as projects grow complex.

## **Consistency in Quality**

QMS ensures quality work is done right consistently for every mitigation project.

# Why It Matters



- A Quality Management System (QMS) is a formal framework of policies, processes, and procedures designed to ensure consistent, high-quality results in radon and vapor intrusion mitigation projects. It is universally needed by all radon mitigation professionals, whether they are solo operators or part of large firms.

# Why It Matters



- A QMS might sound abstract, but it simply means having an organized, documented way to do quality work every time. Even a one-person mitigation business benefits—it protects clients' safety and the bottom line. In short, QMS is about doing the job right consistently, which is why everyone in the field needs one.

# QMS Components and Structure

# Core Components of a QMS

## **Standard Operating Procedures**

Documented step-by-step procedures ensure tasks are done correctly and consistently every time.

## **Quality Control Tracking**

Ongoing monitoring checks ensure installations meet quality goals with corrective actions if needed.

## **Documentation and Records**

Comprehensive records like logs and reports provide traceability and proof of standard compliance.

## **Defined Roles and Accountability**

Clear responsibilities ensure each team member is accountable for specific quality tasks.



# Regulatory and Industry Standards

# Regulatory Drivers - ANSI/AARST, IEA, EPA, NRPP

## **ANSI/AARST Quality Standards**

ANSI/AARST standards require a written quality assurance program for radon mitigation professionals.

## **EPA and State Mandates**

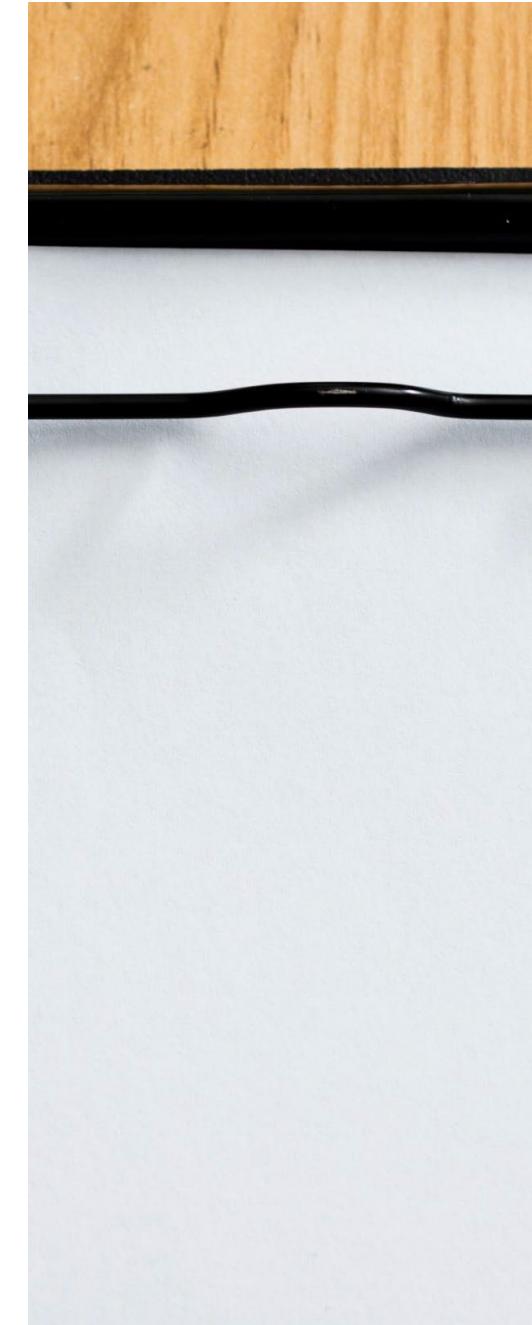
EPA guidance and many states mandate having a QA plan as a licensing condition.

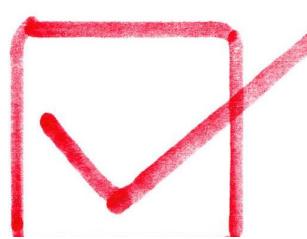
## **Certification Alignment**

Expects certified mitigators to follow formal QA/QC protocols and maintain quality systems.

## **IEA Ethical Standards**

Promotes high ethics and rigorous quality assurance.





## Practical Benefits - Consistency, Compliance, Defensibility

### **Achieving Consistency**

Following SOPs and quality checks ensures uniform and reliable outcomes every time.

### **Ensuring Compliance**

Integrating standards into the QMS guarantees projects meet industry regulations and reduce risks.

### **Enhancing Defensibility**

Comprehensive documentation proves proper procedures were followed, protecting professionals legally.

# Basic QMS Plan - What's Included



## **Quality Commitment**

Quality Policy states a commitment to meet standards and protect health through mitigation systems.

## **Defined Quality Goals**

Specific goals include reducing radon levels below 4.0 pCi/L with safety margins.

## **Standard Procedures**

SOPs outline methods for diagnostics, installation, ventilation, testing, and safety practices.

## **Quality Control and Monitoring**

QA/QC activities include post-installation measurements, system inspections, and client monitoring plans (OM&M)

# Conclusion – Why Prioritize QMS Now



## **Compliance Readiness**

Implementing a QMS now prepares professionals ahead of any upcoming regulatory deadlines.

## **Risk Reduction**

A QMS prevents errors and safety oversights, protecting clients and reducing liability.

## **Building Credibility**

Formal QMS enhances professionalism and builds trust with clients and regulators.

## **Call to Action**

Starting with basic checklists and SOPs today leads to better outcomes tomorrow.