Reduce the risk of a gas leak

"I'm worried about my ability to safeguard my workers, the community, and the environment."

The former and current owners and operators of a chemical facility in Addyston, Ohio agreed to pay a $3.1 million civil penalty and an additional $2 million to install environmental controls and modify operating procedures to resolve violations of multiple environmental laws.

Chemical Companies to Pay $3.1 Million to Resolve Environmental Violations, Environmental Resource Center, August 3, 2009

What if...

- You only had to worry about two potential leak points per meter versus multiple potential leak points per meter due to additional devices (strainers, conditioners, temperature, pressure,impulse lines, etc.)?
- You could check your meter's health without having to remove the instrument from the line or shutting down the process?
- You knew right away of any change in the structural integrity of your meter tubes and/or measurement?

How are you handling plant and environmental safety?

Chlorine, phosgene, fluorine – these are just a few of the hazardous gases your plant may manage during the course of manufacturing. If not carefully monitored and controlled, these substances can pose a tremendous risk to your workers and the surrounding community.

Even if you don't experience a catastrophic leak, the very presence of these gases puts your plant at a different sort of risk: compliance risk. With environmental responsibility now a key priority for governments around the world, regulators are eyeing your industry more closely than ever.

This means increased scrutiny, more stringent regulations, and a higher likelihood of an audit. Without a good way to monitor, control, and document gas flow in your plant, you're increasing your risk on all fronts.

Plant executives we talk to tell us about challenges like these:

"My workers are always at risk of exposure to hazardous gases."

Your workers are exposed to any number of hazards throughout the course of their duties. As a responsible plant operator, you seek to minimize these risks wherever possible. When it comes to dangerous gas, the consequences of an accident are particularly severe, ranging from breathing problems to burns to blindness and even death.

"Regulatory non-compliance is an ongoing concern."

As communities and government agencies learn more about emissions risks and other hazards associated with process gas, the pressure to limit emissions and reduce these hazards has intensified. This has led to an explosion of new regulations and complicated the compliance landscape, making it all the more difficult for plant operators like you to ensure they are doing everything possible to meet regulatory requirements.

"The risk of catastrophic failure is always top of mind for us."

Nearly three decades after the Bhopal tragedy that killed more than 25,000 people[1], the specter of another catastrophic leak is still every plant operator's worst nightmare. While a disaster of this scale is less likely today, the damage resulting from a massive release outside your plant would still be calamitous—to your organization, your workers, the environment, and innocent people in the surrounding community.

[1] Bhopal's Toxic Legacy, Geographical Magazine

Micro Motion®

EMERSON™
Process Management

PROCESS GAS

Reduce the risk of a gas leak

The gases that drive your processes are volatile and difficult to control. If not properly managed, they can place your workers, your organization, and the community at risk.

By installing Micro Motion measurement technology from Emerson, you can minimize all of these risks. With our simplified design, proactive monitoring, and measurement precision, you'll be able to reduce the likelihood of a leak, correct abnormal conditions, and document compliance more completely and accurately. As a result, you can improve safety while ensuring your plant meets its ever-expanding compliance obligations.

A chemical processing company installed Micro Motion meters on three chlorine lines feeding each unit—immediately reducing seven potential leak points to two.

PROTECT YOUR WORKERS

Your workers face many gas-related hazards. When you install a Micro Motion meter, you can eliminate many of them. With our meter's simplified design, you can eliminate up to 90% of potential leak points compared to installing a traditional orifice run. In addition, because our meters require minimal calibration, you can keep your workers out of harm's way more easily.

OVERCOME YOUR COMPLIANCE CHALLENGES

Regulations are tight—and, as communities and legislatures become even more safety and environmentally conscious, it's likely they'll only get more complex. By installing a Micro Motion meter, you'll be able to simplify the most complex aspects of compliance by improving the accuracy of your measurements and documentation.

BE A RESPONSIBLE NEIGHBOR

Without the right information about your gas flow and a proper means of containing leaks, it's easy for a bad situation to escalate into a full-scale disaster. Micro Motion meters provide crucial early alerts into abnormal conditions so you can proactively address process upsets before the worst happens.

www.MicroMotion.com/Gas

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EMERSON™
Process Management

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