

# Swagelok Pittsburgh | Tri-State Area

## ***Your Local Swagelok® Fluid-System Solutions Provider***

***Minor leaks can result in major risks and expenses.***

### ***Your Challenge***

A Swagelok Natural Gas Processing customer employed a costly, time-consuming, and sometimes inconsistent methodology to check for leakage during plant turnarounds. The account's techs tested for media loss by wrapping plastic or tape around each pipe flange, then punching a small hole in the covering. Next, the system was pressurized and the hole closely monitored – requiring up to 30 minutes per flange...and significantly longer if a connection failed to pass inspection.



### ***Your Solution***

As a proven first step, Swagelok recommended a comprehensive **Energy Emissions Evaluation**, especially of the systems that were reassembled during the turnaround. Swagelok's certified auditors, using cutting-edge detection equipment, then worked with the customer's maintenance staff to not only locate the leaks, but to find their root causes. In most instances, suboptimal installation was the primary culprit. In all, more than 650 connections were tested; 157 were leaking, were repaired, and then retested.



### ***Your Healthy Bottom Line***

Customer saved 325 hours of labor, a **90% reduction** versus previous testing processes. In addition, Swagelok helped the site quantify its gas losses and, most importantly, prioritize the leaks that were most negatively impacting safety and operating budgets.

***For the full story: [swagelok.com/en/blog/natural-gas-leak-detection-plant-turnaround](https://swagelok.com/en/blog/natural-gas-leak-detection-plant-turnaround)***

Swagelok also encouraged the customer to enroll its maintenance personnel in our renowned all-day **Tube Fitting Installation and Tube Bending Safety Essentials** class. Students learn how to expertly pull up, then disassemble and reassemble, tube fittings; identify correct fitting installations and placements; bend tubing of various diameters and materials; and inspect tubing for defects and damage.



For more information, contact:


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