

# EPA Miscellaneous Organic Chemicals (MON) Regulation for Monitoring PRDs



**Subpart FFFF of the 40 CFR 63 National Emissions Standards for Hazardous Air Pollutants (NESHAP) applies to new and existing Miscellaneous Organic Chemical (MON) manufacturers. This regulation indicates that all PRDs in HAP service must be equipped with a monitoring device by August 12th, 2023.**

## Who does the MON regulation apply to?

The regulation applies to all existing and new Miscellaneous Organic Chemicals manufacturing process units that have the possibility of emitting Hazardous Air Pollutants. The HAP emitted from MON manufacturing facilities include (but are not limited to) toluene, ethylene oxide, methanol, xylene, hydrogen chloride, and methylene chloride.

## What does the Pressure Relief Device (PRD) section entail?

Applicable PRDs are required to be equipped with a monitoring device that must be able to:



Detect the presence of a pressure relief event.



Record the time and duration of the event.



Immediately notify operators when a relief event occurs.



Estimate the mass quantity in pounds of released HAPs.



Anderson Greenwood™ Series 400 Pilot Valve with Rosemount™ 3051 Transmitter



# A PRV Monitoring Solution for Every Application

## Rosemount™ 708



### Acoustic Transmitter

- Uses acoustic counts and skin pipe temperature to detect pressure relief event
- Wireless communication
- Valve agnostic
- Easy, non-intrusive installation

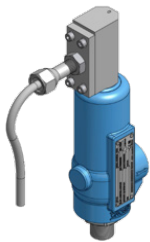
## Rosemount 3051/2051



### Differential Pressure Transmitter

- Used for monitoring Anderson Greenwood™ pilot operated valves
- Measures valve lift percent for better volumetric release calculations
- Wired or wireless communication

## TopWorx™ Series 73



### GO™ Switch

- Applicable for all Crosby™ and Anderson Greenwood direct spring valves
- Provides open/close information
- .001 in end sensing

## Plantweb™ Insight



### Pressure Relief Device App

- Analytical Software to determine when and where pressure relief events occur
- Logs events to adhere to emissions regulations
- Configurable and customizable alerts

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