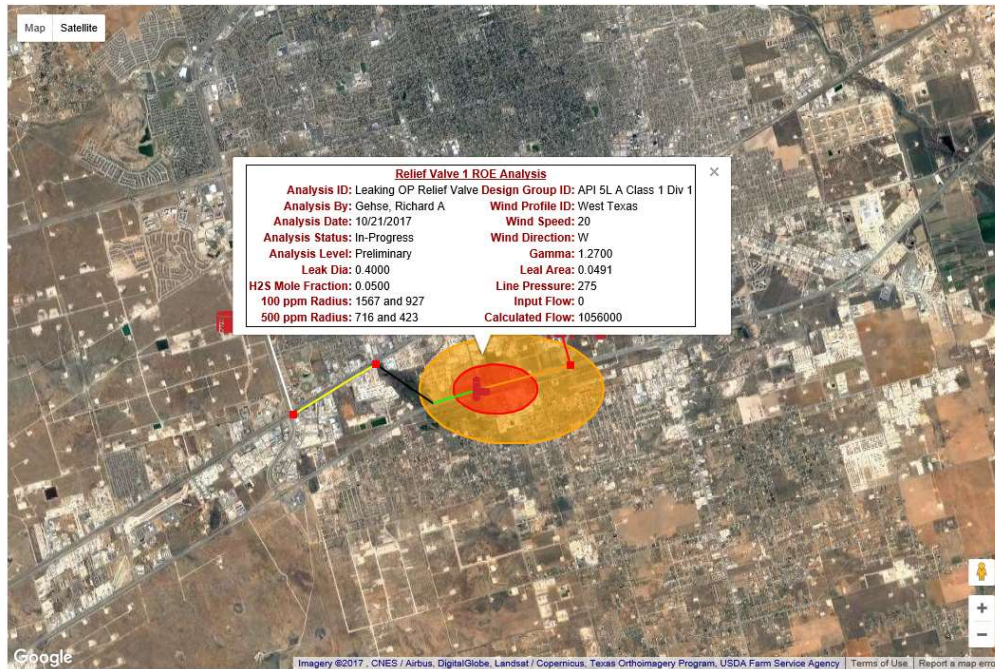


ROE / PIA For Leaky Relief Valves



Example Dispersion Model for Leaky Relief Valve. HCI Systems, Inc.

Overpressure relief devices can be sneaky release points. Refineries routinely pull and inspect relief valves during turnarounds. But some do this even after one activation. Why? Well, because some relief valves do not re-seat correctly and will tend to leak.

For pipelines, releases from leaky relief valves (or pipelines) may go undetected for some time. Unless you have subscribed to Satelytics[®] monitoring or have stationary gas detectors installed, your neighbors become your alert system. Be prepared to defend your ROE/PIA analysis to investigators.

The screen shot herein is how this could be displayed on your pipeline monitoring system screen. On-click events show the ROE/PIA dispersion plots with wind effects and extent of impact. Amber shading for 100 ppm (stinky) zone and red shading for 500 ppm (dead) zone.

Works for refineries and chemical plants too.

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