

Oil & Gas Workshop

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Small Business & Environmental Assistance

Dallas / Ft Worth – Region 4

Pollution Prevention

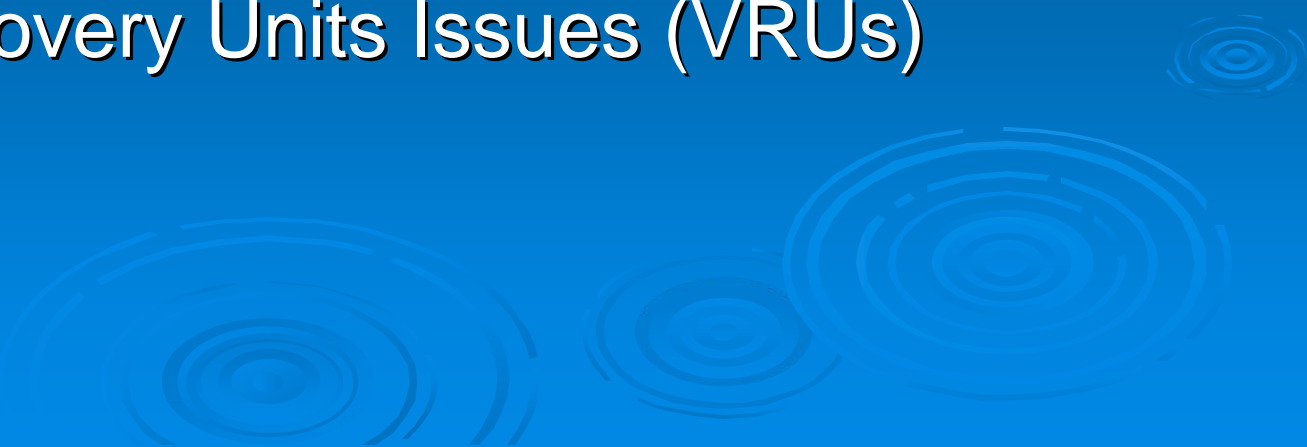
The background of the slide is a solid blue color. In the lower right quadrant, there are several sets of concentric, light blue circles that resemble ripples in water. These circles are of varying sizes and are arranged in a way that suggests movement or a series of events.

PPE' Mission: Pollution Prevention & Education

Help our customers prevent pollution, conserve resources, and achieve compliance through:

- ✓ education
 - ✓ outreach
 - ✓ technical assistance, and
 - ✓ innovative technologies
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Common Findings:

1. Maintenance Issues
 2. Leaking Vents
 3. Engine / Compressor Leaks
 4. Vapor Recovery Units Issues (VRUs)
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Over all maintenance of equipment

- Tanks and all other equipment at the site should be maintained as represented in registrations and or per manufactures recommended specifications for optimum revenue realization.

Leaking Vents

- Crank case vents, seal vents, and blow down vents should also be reviewed for VOC leaks



Engine/Compressor Leaks

- Consider engines/compressors and the related vents at each site for VOC emissions.
- Engines/compressors that leak significant VOC emissions can result in safety issues as well as dollar loss from the leaks.

If you have a VRU

- The VRU equipment must function properly and the tank hatches must be kept closed or your vapor/money still gets away.









Success Story

Tank Battery Vapor Loss

- The Midland region had a compressor station that represented zero emissions from the condensate tank in the PBR registration. The tank was found to be leaking condensate vapors from the thief hatch.
- The condensate tank contained 63 gravity condensate with a BTU value greater than 2700. The company calculated their dollar loss over the 11 months the tank leaked at **1.67 million dollars**.
- They found they had 5 other sites that represented zero emissions also were leaking.

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