BREAKOUT TANKS SUMMARY

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Overview

- Introduction
- Definition
- Code Requirements
- Inspections
- Conclusion

INTRODUCTION (1 of 2)

- PHMSA Jurisdiction

- The Railroad Commission of Texas has safety responsibility and regulated by 16 TAC Chapter 8 and 49 CFR 195 over

  – Above-ground breakout tank

INTRODUCTION (2 of 2)

- Records include -
  - All Construction,Procedures, Training and Inspections.
  - The Performance of the Procedures Outlined in the Operations and Maintenance procedure manual.

DEFINITION

- Breakout Tanks (49 CFR 195.2)
  - Means a tank used

    - (a) relive Surges in hazardous liquid Pipeline System or

    - (b) receive and store hazardous liquid transported by a pipeline for reinjection and continued transportation by Pipeline

CODE REQUIREMENTS (1 0F 4)

- 49CFR 195.1(C)
  - Breakout tanks must comply with requirements specifically to breakout tanks
  - With requirements that apply to pipeline systems and pipeline facilities.

- Conflicts exist
  - The requirements that apply specifically to breakout tanks prevail.

CODE REQUIREMENTS (2 OF 4)

Exception

- Anhydrous ammonia breakout tanks need not comply with:
  - 49CFR 195. 132(b)
  - 195.205(b)
  - 195.264 (b) and (e)
  - 195.307
  - 195. 428 (c) and (d)
  - 195. 432(b) and (c)

CODE REQUIREMENTS (3 of 4)

- APPLICABLE STANDARDS
  - There are thirteen Standards incorporated by reference in 49 CFR 195.

  - API 12F, API 510, API 620, API 650, API 651,API 652, API 653, API 2000, API 2003, API 2026,AP1 2350 AND API 2510.

INSPECTIONS (1 0f 2)

- In-service inspection of breakout tanks
  - At Interval, not exceeding 15 Calendar Months
  - Must inspect the Physical integrity
  - If structural conditions hinder access to the Tank Bottom
  - May be accessed according to A plan included in the Operator's O & M Manual
- Risk-based internal inspection procedure in API 653 cannot be used to determine the internal inspection interval.

INSPECTIONS (2 0f 2)

- Out of Service inspection
  - To ensure that the entire tank, both inside and outside, is inspected.
  - A combination of Inspection Methods is required.

Conclusion

- Inspection Records is the basis of Scheduled inspection/Maintenance Program

- Complete Record keeping consists
  - Construction Records
  - Inspection History
  - Repair/Alteration History

- The end product of these information-gathering exercises can be a summary package of information that collectively describes what is known of the operator's performance and problem areas.

QUESTIONS?

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