

2019 Natural Gas STAR and Methane Challenge Workshop

November 4-6, 2019

TOPICS

- Leak Management System
- State and Federal Code Compliance
- Requirements of Leak Surveys
- Data Driven Field Applications

LEAK MANAGEMENT SYSTEM

- An effective Leak Management System
 - is necessary to ensure a safe and reliable gas system
 - will assist in complying with certain regulations, including Integrity Management
 - tracks and manages leak (and repair) information

LEAK MANAGEMENT SYSTEM

- Leakage Surveys
 - Conducted using calibrated leak detection equipment
 - Performed at intervals that meet or exceed regulatory requirements

FEDERAL REGULATIONS

- Gathering & Transmission Systems
 - 49 CFR 192.8 – Regulated gathering Line?
 - 49 CFR 192.9 - Requirements
 - 49 CFR 192.706 – Transmission Lines:
Leakage Surveys

49 CFR 192.8 – Gathering Lines

- Determine if a pipeline is a gathering line
- Determine beginning and endpoint of gathering
- Determine if it is a regulated pipeline
- Determine which type of gathering line (A or B)

49 CFR 192.9 – Gathering Lines

- Type A: Must comply with all requirements applicable to transmission lines
- Type B: Must comply with limited requirements. Includes, in part, conduct leakage surveys in accordance with the requirements of 192.706

49 CFR 192.9 – Gathering Lines

- Type B: requires leak survey to be conducted using leak-detection equipment, and
- Promptly repairing hazardous leaks in accordance with 192.703(c)

49 CFR 192.706 – Transmission

- Leakage surveys must be conducted at intervals not exceeding 15 months, but at least once each calendar year, unless...

49 CFR 192.706 – Leakage Surveys

- The gas is transported in conformity with 192.625 without an odor or odorant, then leakage surveys using leak detector equipment must be conducted as follows:

49 CFR 192.706 – Leakage Surveys

- (a) In Class 3 Locations: at intervals not exceeding 7 ½ months, but at least 2 times per calendar year

- (b) In Class 4 Locations: at intervals not exceeding 4 ½ months, but at least 4 times per calendar year

49 CFR 192.706 – Leakage Surveys

- Therefore, all Gathering Lines (Type A & B) and all transmission lines must be surveyed, at a minimum, annually NTE 15 months
- But could be as often as 4 times/year NTE 4 ½ months

Data Driven Field Applications

- *192 GIS: Natural Gas Compliance Tool App*
 - Access map and facility info on phone or tablet
 - Perform and record all compliance tasks in the field
 - View past inspection and leak survey data
 - Track progress of compliance tasks in real time

Data Driven Field Applications

- *192 GIS: Natural Gas Compliance Tool Set*
 - Eliminate most paper records and associated retention problems
 - Save and store pictures and attachments
 - Store and retain data in secure cloud-based account
 - Track compliance dates, leaks, and repairs

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