2013 NAPSR Southern Region Meeting

Meaningful Metrics

Task Force Update

Meaningful Metrics

NTSB Finding

25. Because PG&E, as the operator of its pipeline system, and the California Public Utilities Commission, as the pipeline safety regulator within the state of California, have not incorporated the use of effective and meaningful metrics as part of their performance-based pipeline safety management programs, neither PG&E nor the California Public Utilities Commission is able to effectively evaluate or assess the integrity of PG&E's pipeline system..

Meaningful Metrics

- Initial TF Meeting
  - February 19th thru 22nd 2013
  - Three PHMSA reps and four NAPSR reps.
- Second TF Meeting
  - This week.

METRIC: DAMAGE PREVENTION PROGRAM:

MEASURABLE:

- Total number of tickets
- Damages per thousand
- 3rd party excavator damage
- No ticket request resulting in damages by excavator
- Operator error; missing or incorrect locate markings
- Operator error; 1st and 2nd party damage
- Reduction in the total number of damages by group and by overall totals.

METRIC: LEAK MANAGEMENT:

MEASURABLE:

- LEAKS PER MILE; averaged over all operators in state

  Distribution:

  Natural Gas – Mains and Services

  LPG – Mains and Services

  Transmission:

  Natural Gas

  LPG

- LEAKS BY CAUSE:

  Distribution, Mains lines:

  Number of leaks repaired at end of year

  Number of leaks scheduled for repairs at end of year

METRIC: LEAK MANAGEMENT:

Distribution, Service lines:

- Number of leaks v/s number of services
- Number of leaks repaired
- Number of leaks remaining at end of year scheduled for repair
- Number of Leaks by reportable cause on annual reports

Transmission:

- Number of leaks repaired
- Number of leaks remaining at end of year scheduled for repair

Liquids:

- Number of Unintentional Releases per year
- Total Volume of all released product

METRIC: LEAK MANAGEMENT:

Volume of unrecoverable product due to unintentional releases

Number of leaks by reportable causes on annual reports

METRIC: INSPECTOR TRAINING:

MEASURABLE:

- Percentage of inspectors who completed core training
- Percentage of inspectors with IMP training
- Number of inspectors who have taken T&Q classes beyond core training
- Trending of staffing levels

METRIC: HIGH RISK PIPE INFRASTRUCTURE TYPES:

MEASURABLE:

- Distribution:

  Total miles of mains and services by pipe types

  Miles of replaced high risk pipe by type, based on historical data relevant to pipeline replacement programs by Federal and/or state records

  High risk replacement projects, initiated by operators, and supported by state commission through rates.

  Systematic replacement programs

- Transmission:

  Miles of high risk ERW

  Miles of pre-code pipe

METRIC: HIGH RISK PIPE INFRASTRUCTURE TYPES:

Miles of pipeline pre-1960, 1950, 1940, ……. 1900

Miles of HCA's

Miles of pipe for which pressure test records are not available

Liquids:

Same as transmission gas

METRIC: INSPECTION ACTIVITIES / JURISDICTION:

MEASURABLE:

- Inspection person days per year by inspection types and operator
- Number of inspection units inspected as a percentage of total jurisdictional units
- Frequency of inspections
- Incident investigations
- Quality of inspections/documentation

METRIC: ENFORCEMENT:

MEASURABLE:

- Enforcement actions taken
- Fines and penalties assessed and / or collected
- Unrecoverable operator cost thru rate payer
- Probable violations issued vs. corrected
- Enhanced state regulations
- Trending the number of violations issued from year to year

METRIC: INVESTIGATION PROCESS:

MEASURABLE:

- Number of Federal reported incidents/accidents reports vs. number investigated

METRIC: OPERATOR EMERGENCY RESPONSE TIME EVALUATION:

- Length of time to respond to hazardous gas release/incident site.
- Time of report vs. gas control time
- Time to control release of hazardous liquid

METRIC: ADOPTION OF FEDERAL REGULATIONS

- Timely adoption of regulations

METRIC: TRANSPARENCY – POSTING INFORMATION PUBLIC WEB SITES

- State maintained web site.