

# Meeting Three

## Discussion Points: Team 1

- Data Holes Resulting in Reduced Confidence
  - 1800+ wells not measured for H<sub>2</sub>S.
  - Few reported if measurements before or after treating.
  - Many well measurements over 2 years old.

# Meeting Three

## Discussion Points: Team 1

- Data Holes
  - No continuous monitors on gathering system.
  - Limited monitors at receipt points.
  - No quantified data, (just excursions over 4 ppm).

# Team 1

## Group Discussion

- Is data sufficient to make recommendations to task force?
- Need for continuous monitors?
- If so, how many?
- How should collected data be reported?

# Meeting Three

## Discussion Points: Team 5

- Available Geo-Referenced Mapping Layers
  - Roads; aerial photos
  - Irrigation wells
  - Saturated thickness maps
  - Map of prime movers; (April 2006)

# Meeting Three

## Discussion Points: Team 5

- Available Geo-Referenced Mapping Layers
  - Gas wells
  - Surface Facilities?
  - Transmission pipelines
  - Transmission Interconnects
  - Gathering pipelines
  - Distribution pipelines
  - Gas Consumers

# Team 5: Mapping Protocols

## Group Discussion

- NOT available on web.
- NOT available in electronic format.
- Provide form with menu options (on web?)
- Will require written request stating projected use of map.
- Will include agreement to usage/security limitations.

# Meeting Three

## Discussion Points: Team 2

- Confidence in Research Results
  - Unknown effects of other contaminants.
  - Reliability of treatment facilities.
  - Internal corrosion failure history of gathering system.
  - Controlling safety factor: Corrosion or toxicity?

# Meeting Three

## Discussion Points: Team 2

- Appropriate ambient air levels for:
  - Residential.
  - Irrigation.
  - Oil field work force.
- Toxic effects on susceptible populations.

# Team 2: H<sub>2</sub>S Safety Threshold Group Discussion

- Corrosion vs. ambient toxic levels.
- Should Commission set a threshold for contaminant levels in unprocessed gas?
- WHAT'S THE LEVEL???

# Meeting Three

## Discussion Points: Team 3

- Education of the Public
  - First Responders & Emergency Management.
  - API RP 1162 and Pipeline Safety.
  - KCC Request for all suppliers to inform consumers.
  - Sample Letter.

# Team 3: H<sub>2</sub>S Public Awareness Group Discussion

- Timing: Sample letter to be mailed before heating season.
- What groups should be educated on H<sub>2</sub>S?
- How much information is enough?
- What will be public reaction?

# Team 3: H<sub>2</sub>S Public Awareness Group Discussion

- Groups contacted and made aware of H<sub>2</sub>S
  - Royalty Owners Association meetings
  - KIOGA
  - Kansas Association of Counties
  - Oil Field workers and the service industry
  - Kansas Legislative Policy Group, October 6, 2005
  - Emergency First Responders; (One Call meetings)
  - County Emergency Management Staff; (One Call meetings)

# Team 3: H<sub>2</sub>S Public Awareness Group Discussion

- What other groups should be educated on H<sub>2</sub>S?
  - KSU Extension offices and meetings
  - SW Kansas Irrigators Association
  - KIOGA
  - Kansas Livestock Association; Kansas Farm Bureau
  - Ground Water Management Districts-
  - Newspapers/ Radio
  - Local Politicians – City, County, Chambers of Commerce
  - Call Centers – Gas companies, PSAP's for 911 calls

# Meeting Three

## Discussion Points: Team 6

- Rules for Regulating H<sub>2</sub>S Safety
  - Current use of RP 55 in industry.
  - H<sub>2</sub>S concentrations at surface facilities.
  - Monitoring H<sub>2</sub>S in gathering system.
  - Database of internal corrosion failures.

# Team 6: H<sub>2</sub>S Safety Rules

## Group Discussion

- Does data justify statewide rules or fieldwide rules?
- Is there enough confidence in existing data?
- Does data justify collecting additional data?
- Warning signs in populated areas, along pipelines & surface facilities?
- Monitoring H<sub>2</sub>S in gathering facilities?

# Team 6: H<sub>2</sub>S Safety Rules

## Group Discussion

- RP 55 Requirements
  - PERSONNEL TRAINING
    - Personnel and Equipment Protection
    - Community Right-to-know
    - Minimum Training
    - Training Visitors and Other Non-regularly Assigned Personnel
  - PERSONNEL PROTECTIVE EQUIPMENT
    - Rescue Equipment
    - Wind Direction Indicators
    - Warning Signs

# Team 6: H<sub>2</sub>S Safety Rules

## Group Discussion

- RP 55 Requirements, (cont'd)
  - CONTINGENCY PLANNING INCLUDING EMERGENCY PROCEDURES
    - Responsibilities of Personnel
    - Immediate Action Plan
    - Training and Drills
  - DESIGN AND CONSTRUCTION PRACTICES
    - Design Guidelines
    - Construction Guidelines
    - Fabrication and Joining System Components
    - Safe Work Practices
    - Leak Detection
    - Safe Work Permits

# Meeting Three

## Discussion Points: Team 7

- Commission General Investigation
  - Assist Commission in reaching resolution.
  - Public Comment Period.
  - All parties to address questions.
  - Staff compiles comments and provides recommendation.
  - All parties can respond to Staff's report.

# Meeting Three

## Discussion Points: Team 7

- Topics for Gas Gathering Discussion
  - Exit taps as part of gathering services
  - Discriminatory practices toward exit tap customers.
  - Minimum requirements for abandonment of service
  - Requirements to Provide for alternate energy sources.

# Meeting Three

## Discussion Points: Team 7

- Public Utility Topics for Discussion
  - Notice of insufficient service from gath. lines.
  - Tariff prices for unprocessed gas
  - Effects of unbundling on public utility assets.
  - Certificated territories and available infrastructure.
  - Application of Rural Self Help Rule.

# Meeting Three

## Discussion Points: Team 4

- Expectations of HB 2263
  - Only applies to regulated gathering and consumers.
  - Provide credible evidence of safety or supply threat.
  - Inform gas consumer of right to appeal to KCC.
- Information on alternative energy sources.