API Recommended Practice (RP) for Large Diameter Rural Gas Gathering Lines

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Background

• Increase in US natural gas production, especially unconventional production in shale regions

• Increased production resulting in larger diameter, larger pressure gathering lines

• Most of these new lines are Class 1 Rural Gathering lines, not subject to federal standards

• Regulators and industry share a common goal of safe and reliable pipeline transportation

What is Gathering?

- Oil / Gas Wells
- Production
- Gathering
- Gas Processing Facility
- Transmission
- Local Distribution Company (City Gates)
- Electric Generation Plant
- Distribution
- Customers
What is a Class Location?

Current Class Locations

<table>
<thead>
<tr>
<th>Class 1</th>
<th>Class 2</th>
<th>Class 3</th>
<th>Class 3 Site</th>
<th>Class 4</th>
</tr>
</thead>
<tbody>
<tr>
<td>Rural Gathering</td>
<td>660 ft. Class Location Unit</td>
<td>300 ft. Class 3 Site</td>
<td>(Type A or B Gathering Lines)</td>
<td>Subject to federal standards</td>
</tr>
</tbody>
</table>

Class 1: Rural Gathering

Class 2

Class 3

Class 3 Site

Class 4

Not subject to federal standards

Subject to federal standards

What is a Class Location?

Not subject to federal standards

(type A or B Gathering Lines) Subject to federal standards
What are we doing about it?

• API initiated creation of Recommended Practice (RP) 1182 – Large Diameter Rural Gas Gathering Lines

• Initial meeting in January 2018
  • Almost 100 participants
  • Industry
  • Regulators
  • Public advocacy groups

• Uses existing, proven concepts to evaluate potential public risk
  • Diameter + Operating Pressure
  • Class Location Analysis + Potential Impact Radius

• Possible framework for future regulation

• Final draft up for ballot now!
What does it say?

- Applies to rural gas gathering lines greater than 12.75 inches in diameter

- Two categories:
  - Type C - Higher pressure (with some exceptions)
  - Type D – Lower pressure (and those excepted from Type C)

- Requirements include:
  - Design, construction, and testing (new pipelines)
  - Maximum allowable operating pressure (MAOP)
  - Damage prevention and line marking
  - Emergency response & notifications
  - Repair
  - Security
  - Leak surveys
  - Corrosion control
  - Public awareness
  - Record Keeping
How do I comment?

http://ballots.api.org/login.aspx
Next Steps

- Resolve stakeholder comments and finalize
- Operators lead by example
- Continue to gather and analyze data
- Plan, Do, Check, Act