

NAPSR Perspective on the Integrity Verification Process

Joe Subsits

NAPSR Perspective on IVP-Strengths

- ▶ **A Defined process is needed**
- ▶ **Applicability**
 - ▶ **All systems in HCAS including could affect segments**
 - ▶ **Rural Gathering that could affect HCAs**
 - ▶ **Roadways**
 - ▶ **Non-HCA pipelines w/ MOP > 20% SMYS**
- ▶ **Attempt to stabilize low frequency seams**
- ▶ **Attempt to eliminate uncertainty**

NAPSR Perspective on IVP-Suggestions

- ▶ **Detailed guidelines for collecting test pipe samples to validate material characteristics**

NAPSR Perspective on IVP-Suggestions

- ▶ **Guidelines on evaluating In-situ non-destructive Testing techniques**

NAPSR Perspective on IVP-Suggestions

- ▶ **Engineering Critical Assessment as a tool for establishing MOP would be best applied with clear guidelines especially in the areas crack modeling, assessing impacts due to cycling and the interaction of cracks with other defects**

NAPSR Perspective on IVP-Suggestions

- ▶ **When MOP determination is made using pressure test, would like to see guidelines for estimating remaining life of segments with cracks and guidelines on hold times/pressure increase magnitude for spike test**

Questions?

Joe Subsits

Chief Engineer

Washington Utilities and Transportation Commission

360-664-1322

jsubsits@utc.wa.gov