

MATERIAL VERIFICATION SERVICES

OUR SOLUTIONS

With the adoption of the Pipeline Safety: Safety of Gas Transmission Pipelines: MAOP Reconfirmation, Expansion of Assessment Requirements, and Other Related Amendments (Mega Rule Part 1), natural gas pipeline clients need to be in compliance with the new material verification requirements. The rule requires that material properties be documented and verified for onshore gas transmission pipelines and components. All records must be traceable, verifiable and complete.

EN Consulting's metallurgy experts support material verification testing and audits that help ensure compliance with rule changes. Our highly qualified metallurgical and pipeline engineers are industry experts with diverse backgrounds ranging from gas



transmission and operations, to manufacturing and failure analysis. They are uniquely qualified to review and/or develop procedures for material verification and provide actionable recommendations to ensure compliance.

MATERIAL VERIFICATION

- Development of material verification procedures
- Review of procedures for compliance with the new rule
- Validation of NDE methods, tools, procedures and techniques
- Development of pipe sampling programs
- Development of procedures for testing of components
- Materials/technology audits
- Material Test Report (MTR) verification
- Laboratory testing support
- Laboratory audits
- Field oversight and support
- Documentation/records analyses



METALLURGICAL AND MATERIALS

- Material selection
- Material specifications and sourcing
- Development of code compliant welding programs
- On-site construction troubleshooting
- Direct and root-cause failure analyses
- Metallurgical consulting