

CORRPRO SERVICES FOR DISTRIBUTION INTEGRITY MANAGEMENT PROGRAM (DIMP)



A new regulatory requirement calls for operators of natural gas distribution systems to address the integrity of their piping systems and enhance safety by identifying and reducing pipeline integrity risks. This regulation requires gas distribution operators to develop and implement a Distribution Integrity Management Program (DIMP) by August 2, 2011. DIMP plans must contain seven specific elements:

- Knowledge of piping systems
- Identification of integrity threats
- Evaluation and prioritization of risks
- Identification and implementation of measures that address risks
- Performance measures, results monitoring and effectiveness evaluation
- Periodic program evaluation and improvement
- Process for reporting results

Development and Implementation of Distribution Integrity Management Program

Corrpro has a proven record of providing sound, cost effective solutions as a leading provider of integrity management programs (IMPs). With world-class resources consisting of more pipeline integrity and corrosion control professionals than any other firm, Corrpro can assist with your DIMP requirements. Our services are specifically designed to minimize your integrity risks and maximize reliability through proven, cost-effective services.

Corrpro will work closely with operators to enhance established maintenance management systems and develop completely new customized systems.

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DIMP

To assure compliance with the DIMP regulations, Corrpro services include preparation of performance measurement (PM) guidelines. The PM programs include:

- Establishing a baseline
- Developing goals
- Monitoring progress while periodically reevaluating threats and risks
- Comparing results with goals, feedback and continuous process improvement

Assessments

With 21 offices located throughout the United States, Corrpro's DIMP team, consisting of registered professional engineers and NACE certified corrosion and cathodic protection professionals, has the knowledge and experience needed to assess gas distribution systems, corrosion, cathodic protection and coatings.

Corrosion and third-party damage are principal causes of leaks in gas distribution systems. With experience in identifying external and internal corrosion threats as well as areas of high risk of third-party damage, Corrpro's DIMP team brings significant value to your program. Based upon specific knowledge of your system and its inherent characteristics, appropriate assessment methods are selected.

Corrpro's DIMP team devises facility-specific evaluation procedures that typically include depth of cover, population density and External Corrosion Direct Assessment (ECDA). Proven inspection tools such as Pipeline Current Mapper (PCM) survey for electrical contact locating and coating anomaly testing, Direct Current Voltage Gradient (DCVG) survey for coating defect detection, Close Interval Potential (CIP) survey for cathodic protection (CP) performance documentation and deficiency identification, and soil analysis to determine soil corrosivity are part of Corrpro's ECDA arsenal.

Additionally, Corrpro can assist with the following activities that are critical to a successful DIMP:

- Define high consequence areas
- Identify areas with high risk of third-party damage
- Assess leaks caused by corrosion
- Analyze pipe inspection reports for corrosion and coating damage information
- Evaluate piping systems with cathodic protection levels that do not meet protection criteria
- Identify areas of active corrosion
- Perform technical review of CP records and procedures
- Perform pipe strength calculations (RSTRENG, etc.) for corrosion defects

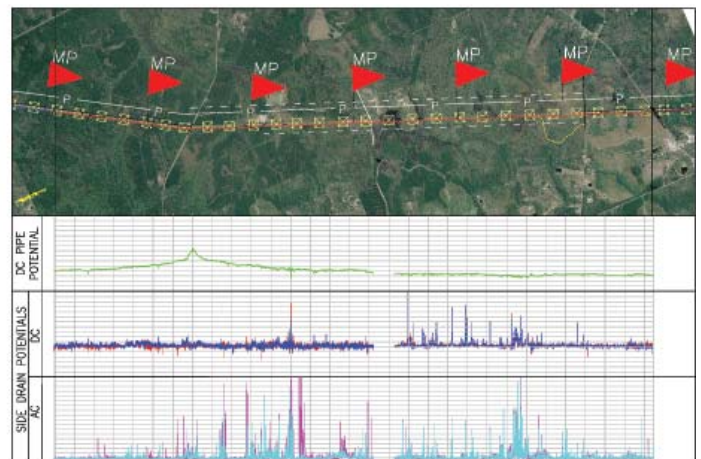
Corrosion Control Construction Assistance

Corrpro employs full-time personnel with the expertise to design, install and repair cathodic protection systems. These CP specialists typically utilize in-house vacuum excavation, directional drilling equipment (air-bulleting/stitch boring), deep anode drill rigs, backhoes, excavators, cable plows and trenchers for installation and repair work. Our construction capabilities include:

- Repairing or rehabilitating CP systems
- Correcting CP deficiencies
- Installing new CP systems
- Providing "hot spot" protection, specifically targeting areas of active corrosion
- Inspecting pipe and coating
- Rehabilitating and repairing coating
- Installing dielectric fittings
- Locating, excavating and correcting underground contacts

Corrpro's DIMP approach enables operators to reduce risks with specific focus on the distribution piping where the greatest potential for corrosion-caused failure exists. This time-tested process is a proven method of ensuring pipeline integrity throughout its operating life. Because of the significant capital investment in your piping system, it must remain an asset, not a liability.

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