

# Coffman Experience

## CORROSION CONTROL



**When corrosion occurs, Coffman has a team of engineers who can provide lasting solutions to your corrosion problems and assist you in working through the regulatory issues surrounding system integrity concerns.**

Problem: corrosion is the deterioration of a substance (usually metal) or its properties due to a reaction with its environment. Corrosion affects virtually all types of structures and facilities and costs more than \$275 billion annually. It is the cause of significant environmental, health, and safety issues. Federal and state agencies have developed regulatory criteria for the protection of the environment and public safety. In addition, the National Association of Corrosion Engineers (NACE) International was created to develop standards and practices.



Solution: our corrosion control engineering group includes professionals of national distinction who are certified, active members of NACE. They frequently address industry organizations on cathodic protection and coating solutions and serve as technical consultants on regulatory compliance for oil & gas, utility, transportation, marine, domestic water, government, and military organizations.

### Capabilities:

Design of corrosion control systems for new or existing structures, including cathodic protection, coatings, materials selection, process fluid/water treatment, and design enhancements to reduce corrosion

Failure Analysis to determine and document specific failure mechanisms

Installation supervision and construction management services for coating inspection and cathodic protection installation, commissioning, and system adjustments

Integrity Management to provide pipeline operators complete risk assessment programs, turnkey in-line inspection services (ILI), and guidance in fulfilling the requirements of 49 CFR 192 & 195

Maintenance of cathodic protection systems to evaluate and optimize system performance

Monitoring surveys for rectifiers, test stations, and close interval surveys (CIS) of new and existing cathodic protection systems to demonstrate regulatory compliance and system performance

**Operator Qualified** corrosion technicians and engineers for all of your DOT regulated facilities

Training, including instruction and procedures development, utilizing NACE-certified specialists

