Emily Navarro

Corrosion Engineer

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Summary

Corrosion engineer with 5 years in pipeline and facility integrity, focused on cathodic protection, coatings and internal corrosion. Manages corrosion control for 1,400 miles of gas transmission pipe and writes the survey reports regulators review. Daily user of Word, Excel and Outlook to keep field crews, contractors and operations on schedule.

Experience

03/2023 - Present
Houston, TX

Corrosion Engineer

Gulf Coast Midstream Partners
Integrity engineering group for a natural gas transmission operator.

- Manage cathodic protection on **1,400** miles of pipeline, keeping 98% of test stations within criteria.
- Design 12 rectifier and anode bed upgrades a year and review contractor installs in the field.
- Analyze internal corrosion coupons and ILI results to set inhibitor rates, cutting corrosion rates by 35%.
- Write annual survey reports in Word and Excel that passed 2 PHMSA audits with no corrosion findings.
- Coordinate 6 field crews and contractors through Outlook schedules for close-interval surveys.

06/2021 - 02/2023
Sugar Land, TX

Integrity Engineer

Brazos Pipeline Services
Pipeline integrity consulting firm.

- Evaluated coating condition and DCVG survey data for 30 pipeline segments.
- Ran corrosion growth calculations on ILI data and ranked 250 anomalies for digs.
- Developed dig packets and repair recommendations for 40 excavations.
- Authored 15 field procedures for test station readings and coating holiday checks used by survey contractors.

Skills

- Corrosion
- Cathodic Protection
- Coatings
- Internal Corrosion
- ILI Data Analysis
- Close-Interval Surveys
- Pipeline Integrity
- Word
- Excel
- Outlook

Education

05/2021
College Station, TX

Bachelor of Science

Texas A&M University
Chemical Engineering

Certificates

05/2023

Cathodic Protection Technician (CP2)

Association for Materials Protection and Performance

08/2021

Engineer in Training (EIT)

Texas Board of Professional Engineers and Land Surveyors