

SSUES Encountered on Pipeline Construction



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Year 1981 Founded 5,295+ **Pieces of** Equipment 2,300+**Employees** Miles of 10,000+ **Pipeline Laid**

7M+

Safe Man **Hours 2024**

12

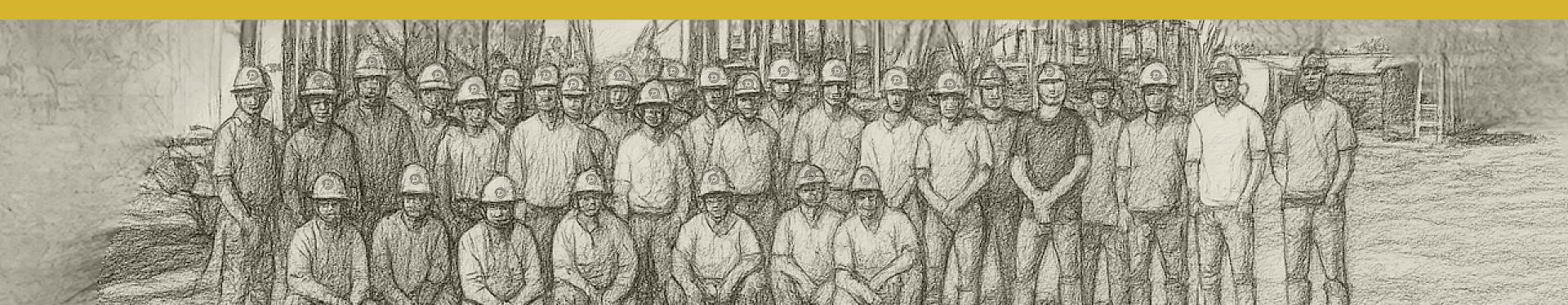
Licensed **States**

Certified Minority-Controlled Company





We prioritize safety because every employee has a life beyond their trade and we want them to live it fully and abundantly.



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Environment

We're committed to leaving every site better than we found it—protecting land, water, and wildlife for the communities that follow.







How it's Going



What's Changed

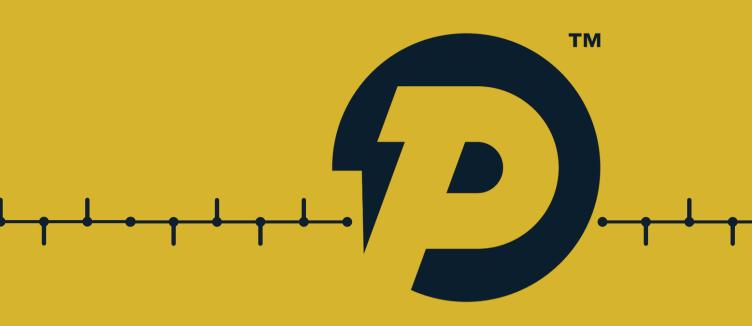


Everything.

1800s

Pre-Regulation Era

- Gas Milestone (1821): First commercial natural gas well (Fredonia, NY)
- Pipeline Use: Local, no federal oversight
- Welding/Coating: Welding had not yet been adopted for pipelines **Pipelines used threaded/wrapped joints, often with cloth and coal tar**
- Note: No standardized welding or coating codes yet



1930s

First Federal Oversight

Regulation starts at the transport level, but construction methods (welding/coating)still vary by region

- Gas Milestone (1938): Natural Gas Act regulates interstate gas transport
- Welding Code (1935):
- ASME publishes Boiler and Pressure Vessel Code first welding procedure qualification standards
- Coating Note: Coating methods still rudimentary (coal tar, asphalt, or wax coatings)
- No codified coating application standards yet



1968

Birth of Modern Pipeline Safety

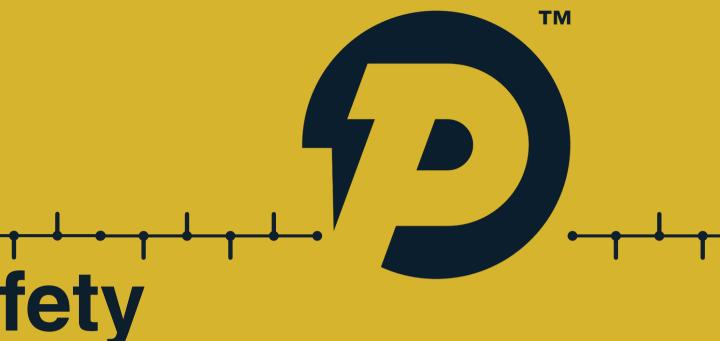
- Pipeline Milestone (1968): Natural Gas Pipeline Safety Act gives DOT authority
- Welding Code (1942–1960s):

API 1104 introduced by the American Petroleum Institute — specifically for pipeline welding. Widely adopted in the 1950s and 60s by pipeline contractors and later referenced in federal regs

• Coating Milestone:

Early standards for fusion bond epoxy (FBE) and polyethylene tape systems begin to appear **NACE (now AMPP) develops first formal corrosion protection guidelines**

Welding and coating start being treated as critical safety elements in federally regulated construction.



1970s

Here Comes the Government

- **1970 OSHA and EPA formed**
- 1974 PHMSA's predecessor starts overseeing pipeline safety
- 1974 FERC assumed FPC's responsibilities in 1977 when the U.S.
- **Department of Energy was created**

Welding Code:

• API 1104 becomes the primary welding code referenced in DOT regulations Coating Code:

- NACE published key industry standard on cathodic protection
- Evolution toward liquid epoxy and powder coatings

Regulations shift from "build it tough" to "build it safe, clean, and monitor it."



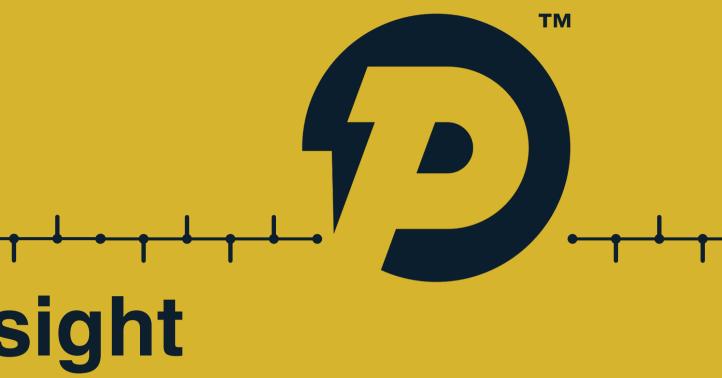
2000-Present

Integrity & Data-Driven Oversight

- **2002 Pipeline Safety Improvement Act**
- 2020+ Emphasis on cybersecurity, digital mapping, methane tracking

Welding Code:

- API 1104 and ASME Section IX are continuously updated with procedural testing, automated welding, and welder qualification rules **Coating Standards:**
 - NACE SP0394, SP0102, and others codify inspection, surface prep, and coating QA/QC
 - Fusion bond epoxy, field-applied liquid coatings, and plural-component systems are regulated more strictly



Why It Matters

Welding and Coating quality are now regulated by both industry standards and federal law, enforced through audits, data logging, and integrity assessments.





Dpinion





What Stays the Same:

- PHMSA pipeline safety rules
- Welding Code (API 1104, ASME Section IX)
- Coating and corrosion control standards (NACE/AMPP)
- OSHA safety standards (trenching, PPE, confined space)
- Integrity Management Program (IMP) requirements

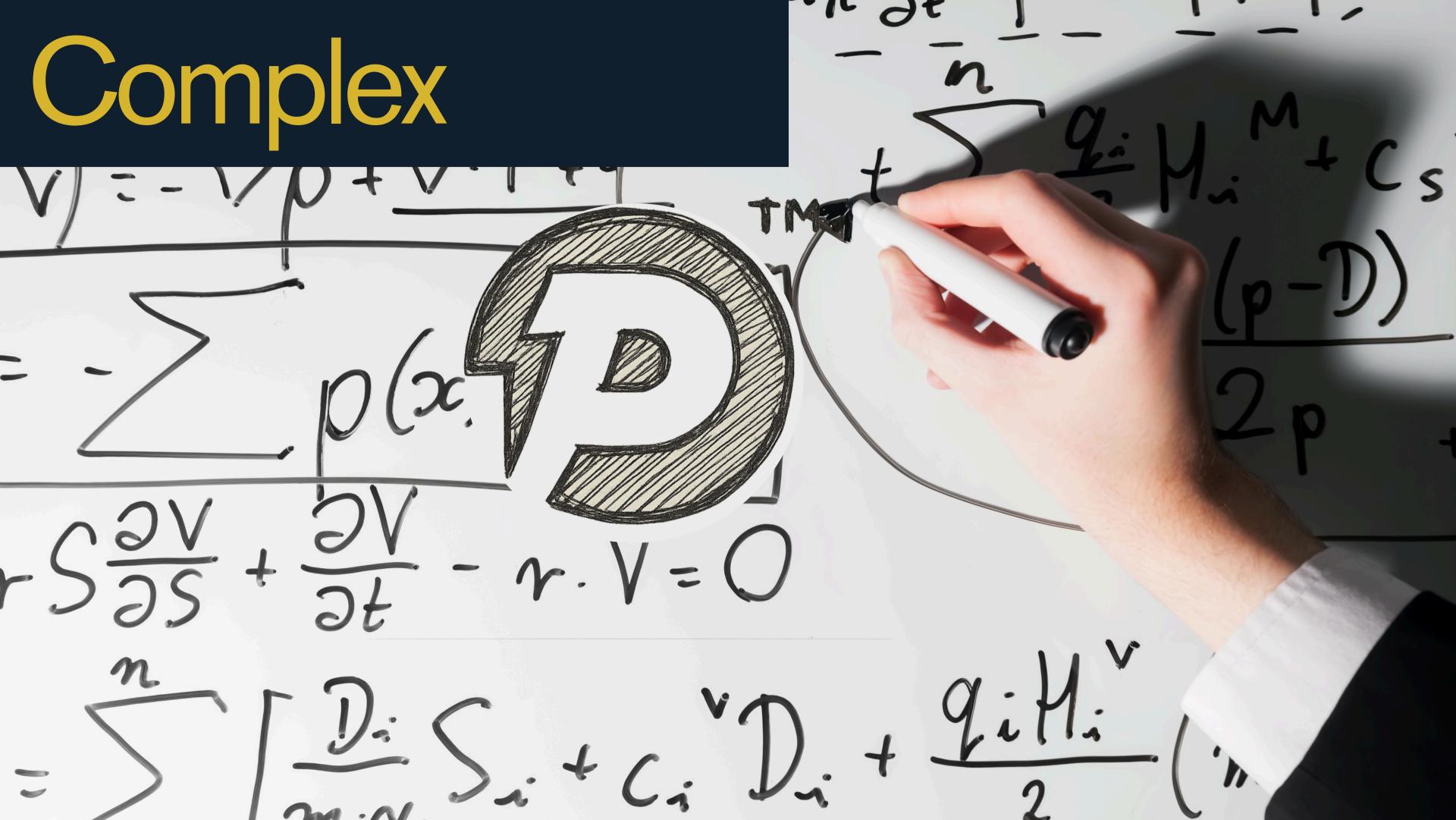


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- Clean Water Act interpretation (e.g., WOTUS rule)
- OSHA enforcement intensity
 - (fines vs. training emphasis)
- Federal permitting timelines and approval likelihood

What Changes with **Political Party:**

- EPA enforcement of methane emissions standards
- NEPA review scope and speed



What Works for Us

- Stay flexible adapt to new rules quickly
- Review PHMSA, EPA, and OSHA updates quarterly
- Keep welding, coating, and safety records clean and current
- Bring in outside audits to catch issues early
- Use legal or compliance partners to guide tough changes





Training Is a Must

- Make safety and compliance training part of the routine
- Focus on key areas: welding, coating, OSHA, EPA
- Ensure certifications are current and properly filed
- Tailor training to each job's risk and location
- Empower field leads to flag issues early

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U.S. Department of Transportation Pipeline and Hazardous Materials Safety Administration





02 Bring Solutions not Problems

03 Get Involved

O4 Facts not Opinions

05 Be a Partner, Not Just a Vendor

