

Nathaniel Pichler, EIT

Mechanical Engineer

Aurora, IL - natepichler@gmail.com - (224) 636-2342

PROFILE

Natural Gas Pipeline Engineer with over six years of consulting experience involving pipeline and station design, technical writing, O&M procedure and policy support, regulatory compliance reviews and gap analysis, design specifications, and field activity oversight.

EXPERTISE

- Natural Gas Pipeline and Station Design
- Pipeline Inspection / Integrity Management Programs
- Technical Writing
- Federal Code Compliance (PHMSA)
- Field Activity Oversight
- Software: Pipeline Toolbox, MS Office, CAD

CERTIFICATIONS

EIT, Mechanical Engineering (Illinois)

EDUCATIONAL EXPERIENCE

B.S. Mechanical Engineering
Bradley University, Peoria, IL
Energy Concentration
(Thermodynamics)
Aug 2013 - May 2017

Organizations

Sigma Phi Delta Engineering Fraternity

PROFESSIONAL EXPERIENCE

Senior Design Engineer, Magnolia River Solutions, Decatur, AL (Remote)

November 2022 - September 2023

- Pipeline Design
 - Provide design calculations, material specifications, pipeline routes, county and township regulated road, railroad, and stream crossing designs, P&ID station designs, and general client and drafting support.
- QA/QC
 - Review design drawings for pipelines and stations and confirm compliance with federal, state, and county regulations.
 - Ensure pipelines and stations are designed correctly and will operate safely in accordance with client specifications and design guidelines.
- Integrity Management Support
 - Verify compliance of operating plans with federal regulations and industry best practices through a gap analysis.

Senior Design Engineer, ENTRUST Solutions Group, Warrenville, IL

Jun 2017 - November 2022

- Pipeline Inspection Projects
 - Manage a team of engineers and provide assistance with interpreting inspection results and writing engineering reports.
- Integrity Management Support
 - Support in-house integrity departments and provide engineering guidance.
- Technical Writing
 - Draft procedures, standards, and policies for clients.
 - Verify compliance of operating plans with federal regulations and industry best practices.
- Field Work
 - Oversee inspection tasks including coating inspection, UT, X-ray, and recoating.
- Design
 - Review designs for pipeline assemblies and confirm compliance with federal regulations.
 - Assist in implementing changes to designs that are not in compliance.