



# Underground Piping & Tank Integrity Programs

GSE TrueNorth's Underground Piping and Tank Integrity (UPTI) Programs can assist utility owners with the development of an effective UPTI program. Our UPTI team is field experienced and has helped shape industry standards. Count on them for risk-reducing programs, implementation, and management.

The Buried Piping (BP) and UPTI programs were developed to track and trend wall loss within piping and tanks that are buried or within tunnels, trenches, or vaults. Currently, the UPTI initiative has been issued by the Nuclear Energy Institute (NEI) for the development of a thorough and rigorous program to reduce leaks from lines which contain radioactive and environmentally sensitive material.

The UPTI has ten milestones:

#### Section "A" Original Buried Pipe Integrity Initiative

1. Procedures and Oversight
2. Risk Ranking
3. Inspection Plan
4. Plan Implementation
5. Asset Management Plan

#### Section "B" Underground Piping and Tanks Integrity Initiative

6. Procedures and Oversight
7. Prioritization
8. Condition Assessment Plan
9. Plan Implementation
10. Asset Management Plan

Historically, buried piping and tanks have not been well maintained or monitored for potential degradation. Experience has shown both fossil and nuclear stations that have experienced leaks can lead to costly outages, clean-ups and repairs.

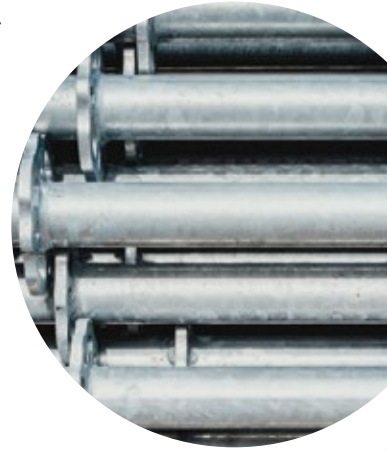


## INDUSTRY-LEADING EXPERIENCE

The GSE TrueNorth UPTI team leads in experience. Our SMEs average over 35 years in the power generation and nuclear industries. All have served on or led the industry's Buried Pipe Integrity Group (BPIG). That experience matters when creating effective UPTI plans, performing assessments, and mitigating risks.

## CHOOSE GSE TRUENORTH SERVICES FOR A ROBUST UPTI PROGRAM THAT INCLUDES:

- Procedure / Instruction Writing
- Risk Ranking Database Conversions
- Risk Ranking Database Verification and Validation
- Development of Inspection and Condition Assessment Plans
- Development of Asset Management Plans
- Performance of Program Self-Assessments
- Program Owner Long Term Staff Aug
- Determine Long-term Mitigation Strategy
- UPTI Program Owner Training



## TO LEARN MORE OR SCHEDULE A CONSULTATION WITH OUR SMES CONTACT:

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## ABOUT GSE TRUENORTH

Engineering. Thermal performance. Leading-edge software. These are the heart of GSE TrueNorth's offerings for the nuclear industry. As part of GSE Solutions group, GSE TrueNorth supports operational excellence in the power industry. We leverage decades of specialized expertise in plant thermal performance and regulatory engineering programs that refine and update systems, ensure compliance and optimize performance for our clients.