

BP/ UPTI PROGRAM

The Buried Piping and/or Underground Piping and Tank Integrity (BP and UPTI) programs were developed in order to track and trend wall loss within piping and tanks that are buried (in contact with soil) and underground (within tunnels, trenches, or vaults). Currently, the Underground Piping and Tank Integrity Initiative (UPTII) has been issued by the Nuclear Energy Institute (NEI) in order to establish milestones for the development of a thorough and rigorous program in order to reduce leaks from lines which contain license radioactive and environmentally sensitive material. Historically, buried / underground 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.

True North UPTI program service offerings can assist utility program owners with the development of an effective UPTI program.

Our True North UPTI team is led by Chris Burton. Chris has over 26 years of nuclear program experience which includes both FAC and UPTI. These experiences include program ownership, development, implementation and corporate governance and oversight. Mr. Burton was the UPTI Task Force Utility Lead during the development of the UPTII, 09-14, EPRI Recommendations for an Effective Program to Control the Degradation of Buried and Underground Piping and Tanks, and the Guidance for Inspection Plans of Buried Piping.

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BP / UPTI PROGRAMS

The UPTII has within it ten milestones.

Section "A" Original Buried Pipe Integrity Initiative

- Procedures and Oversight
- Risk Ranking
- Inspection Plan
- Plan Implementation
- Asset Management Plan

Section "B" Underground Piping and Tanks Integrity Initiative

- Procedures and Oversight
- Prioritization
- Condition Assessment Plan
- Plan Implementation
- Asset Management Plan

The True North Consulting UPTI Team has significant experience with program development, implementation, and management.

Primary service areas include the following:

- **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**

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Contact information for our Buried Piping / Underground Piping and Tank Integrity Programs engineers is listed below:

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COMPANY PROFILE

True North Consulting is an Engineering Services company specializing in support for the electric power industry. Founded in 1999, True North has provided engineering-based consulting services to the majority of US utilities and to several abroad. Our services cover a wide spectrum within the power generation sector ranging from Engineering Programs related services in the nuclear power industry to plant Thermal Performance issues across the entire generation continuum. Additional areas of expertise include a complete array of Power Services associated with secondary plant equipment and a highly experienced Information Technology staff supporting our line of customized software products.

It is our goal and ongoing commitment to optimize these services with respect to cost, technical adequacy, and overall value to our clients. Towards this goal we continue to refine and update our staff and services through incorporation of technology and experience-based advancements.

Presented in this brochure is an overview of Buried Pipe Program services offered by True North Consulting along with general information concerning our office locations and contact information.

We sincerely hope this provides a clear representation of our company and how True North Consulting might benefit performance at your facility.

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Buried Piping / Underground Piping & Tank Integrity Programs



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The Next Level for Engineering Programs