



Flow-Accelerated Corrosion Programs

Undetected, corrosion is a safety issue. The GSE TrueNorth team is experienced in Flow-Accelerated Corrosion Programs that keep operators informed and systems safe. From program ownership, development, and optimization, to implementation, corporate governance, and oversight, our services reflect decades of experience.

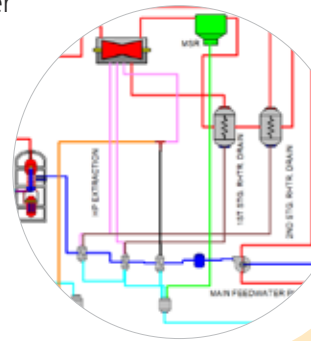
Flow-Accelerated Corrosion (FAC), leads to wall thinning (metal loss) of steel piping exposed to flowing water or wet steam. The rate of metal loss depends on a complex interplay of many parameters such as water chemistry, material composition, and hydrodynamics. Carbon steel piping components that carry wet steam are especially susceptible to FAC and represent an industry wide problem. Experience has shown that FAC damage to piping at fossil and nuclear plants can lead to costly outages and repairs and can affect plant reliability and safety.

EPRI NSAC-202L names **six interrelated elements** necessary for a plant FAC program. The GSE TrueNorth FAC Program addresses each, for a fully effective FAC program:

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| 1. Corporate Commitment | 4. Inspections |
| 2. Analysis | 5. Training & Engineering Judgment |
| 3. Site & Industry Experience | 6. Long-term Strategy |

GSE TrueNorth's FAC team is proficient in program development, implementation, and management, with services that include:

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| <ul style="list-style-type: none"> • SSE/SNM Update • SNM Subsystem Implementation • FAC Procedure Revision • CHECWORKS™ SFA Modeling and Calibration • Inspection Planning/Optimization • Outage Support – On-site/Remote | <ul style="list-style-type: none"> • UT Data Analysis • FAC Program Management (Staff Augmentation) • Long-Range Replacement Planning • Determine Long-term (FAC Mitigation) Strategy • FAC Program Training • Program Assessment |
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TO LEARN MORE OR SCHEDULE A CONSULTATION WITH OUR SMES CONTACT:

Ryan Doremus
rdoremus@tnorthconsulting.com
312.860.2102

Mike Anderson
mca@tnorthconsulting.com
708.574.3218

Dave Windhorst
dwindhorst@tnorthconsulting.com
612.804.1336

David Smith
dsmith@tnorthconsulting.com
704.589.2831