



What a Difference 38 Miles Can Make

Attached are photographs of FRP composite pipe being installed in another power plant at the same time as AEP's Cardinal Plant in Brilliant, OH 38 miles away. Sizes and scope of the project were similar.

1. This FiberSystems project was furnished as all factory pre-assembled spools, with minimal field joints.
2. The FiberSystems provided piping systems were designed to minimize abrasive wear. We provided extra heavy abrasion and corrosion resistant liners for those spools and fittings that would be experiencing high velocity and/or heavy wear. And the superior bell mouth tee branches were provided for all "off stickers".
3. While it was a struggle, because of late releases of approved drawings; and customer changes in isometric spool configurations even after production had started, we still met the project installation requirements. 450+ piping spools were fabricated and delivered at the job site in time to be installed before the end of the shutdown, and the re-start up of the plant on November 1st.
4. Despite the complexity of the isometric piping system, as can be seen in the photographs, the factory isometric spools furnished all fit, and were installed with no issues or field installation problems. (We did have two concentric reducer orientations that were caught before installation and had to be modified - which we accomplished without any delays.)
5. Our experienced field service technicians and supervisors trained, qualified and tested all of the installing contractor's pipefitters. In addition, we had our most experienced union pipefitters on site - providing to the contractor supervision, assistance, hand holding, and oversight. Our journeymen were on site during the installation to make sure that problems did not occur - and that the entire piping system would be installed and up and running - meeting the utilities' tool expectations.
6. When the isometric piping systems were hydrotested, there were **no** leaks in any of the factory assembled joints. And, there were also **zero** leaks in the field joints - because we provided the contractor training, qualification, and supervision. And, it goes without saying that there were no failures of pipe, fittings, or joints blowing apart.
7. We also invite you to notice the "ruggedness" of the superior filament wound flanges used on all spools.

Again, we think there is an interesting comparison here of the "Tales of Two Plants" - just 38 miles apart. What a difference!



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