Project Spotlight

DT3 Irving Line - Dallas, Texas

Owner: ATMOS Energy **Installer: CellFill**
General Contractor: Driver Pipeline

Background Information

In the geotechnical construction industry, the abandonment of old pipelines is not an unusual occurrence. Nonetheless, these projects require a careful attention to detail that might not be apparent to those outside the industry. Abandoned pipelines, if left empty or not filled properly, can create instability in the surrounding soil and cause significant damage to nearby structures.

That is why, when an old DT3 pipeline outside of Dallas, Texas was being decommissioned, the jobsite contractor chose to fill the pipeline with a low-density cellular concrete (LDCC). The use of LDCC would ensure the pipe's long-term stability and minimize the potential for expensive damage to surrounding areas.

Project Details

The two most essential elements of this project were ensuring quality control of the LDCC throughout the mixing and application process, and selecting an LDCC product that would facilitate long-distance pumping into this 22,953-linear-foot pipeline. Flexibility and speed were non-negotiable necessities.

Given these considerations, the team at CellFill LLC chose to use AERLITE-iX™ a non-pervious LDCC manufactured by Aerix Industries™. Over the space of ten days, the crew pumped 2,676 cubic yards of LDCC into the pipeline in eight segments, the longest of which was 5,381 linear feet.

Aerix Added Value

Aerix's AERLITE-iX LDCC is an ideal solution for these types of pipeline abandonment applications. With its high compressive strength, AERLITE-iX provides the long-term stability these structures require while also facilitating speedy installation and significantly reducing labor and material costs.