



Tyfani Lanier

Engineering Division Director and Chief Engineer

Tyfani Lanier serves as the Engineering division director and chief engineer for PanTeXas Deterrence, LLC, the management and operating contractor of the Pantex Plant in Amarillo, Texas. She returned to Pantex in 2024.

In this role, Lanier manages Mission Engineering including Weapons Operations Engineering, Authorization Basis, the Weapons Surety program, Facilities Engineering, and Technology Deployment.

Lanier began her career at Pantex as a first line supervisor in Manufacturing. During this time, she held several positions including Process Engineering section manager, Tooling, Machine and Tester design manager, Production manager, Deputy Manufacturing manager, and Safeguards and Security director.

Lanier left Pantex in 2010 to continue her career with BWXT as director of Engineering for American Centrifuge Manufacturing. Most recently, she was vice president of Operations for BWXT Technical Services Group, where she provided technical support for nuclear and high hazard operations at several U.S. Department of Energy sites.

In her role as vice president of Operations, Lanier deployed to multiple DOE facilities. While serving at the Portsmouth Decontamination and Decommissioning Project, she led multiple facets of the project resulting in the successful demolition of the 66-acre X-326 high assay gaseous diffusion process building. She was also responsible for engineering and design authority oversight for facility demolition plans, the \$275 million On-Site Waste Disposal Facility capital project, and three new water treatment facilities.

Lanier also supported the Los Alamos Legacy Cleanup Contract to lead development and delivery of a DOE-compliant Documented Safety Analysis. Additionally, Lanier provided corporate governance to multiple sites, including Idaho National Laboratory and Lawrence Livermore National Laboratory.

Lanier earned a Bachelor of Science in Mechanical Engineering from Texas Tech University.

