

*real-work opportunities*

# Nuclear Materials Management

at the Savannah River Site



*a member of the Westinghouse Savannah River Company Team*

At SRS, Nuclear Materials Management Division Engineering provides technical oversight and engineering support for 10 nuclear facilities. As design authority for these facilities, the division's engineers ensure they are operated and maintained within required safety margins.

Some of the materials managed in NMMD facilities are spent nuclear fuel from foreign and domestic research reactors, as well as irradiated fuel from past SRS reactor operations; excess weapons-grade plutonium from the United States' defense program, as well as other plutonium materials from SRS and other DOE sites; highly enriched uranium, or unirradiated reactor assemblies; and heavy water moderator, which was once used in the nation's nuclear weapons production reactors.

NMMD engineers' primary functions are to provide support for maintenance and operations; maintain a hands-on knowledge of the performance of processes and equipment systems and initiate modifications to improve performance; and provide engineering and technical support for facility startups and restarts.

The Nuclear Materials Management Division Engineering organization is a high-tech team of problem-solving individuals.

The work assignments of each engineer within the division join together to maintain one of the largest nuclear materials management systems in the world.

NMMD offers career-developing opportunities for many engineering disciplines. The division provides extensive job- and facility-specific training, as well as mentoring to enable the new engineer to become familiar with the division and site practices.

Typical assignments for new engineers include field engineering support of process equipment; leading and coordinating projects from design through construction and startup testing.

Other assignments may include providing design improvements for new or existing processes using codes, standards and system cognizance; process and/or auxiliary systems engineer; instrument and controls engineer; and technical

support engineer for maintenance or operations, including on-shift opportunities.

NMMD engineers work with systems such as unique chemical process systems including reactors, separations and evaporations; specialty remote fuel handling equipment; cranes and hoists; water chemistry improvement systems; and complex ventilation systems to properly control radioactive contamination.

*For more information about Nuclear Materials Management Division Engineering, please contact Chuck Armitage, Nuclear Materials Management Division Chief Engineer, at (803) 952-2118, or by e-mail at [charles.armitage@srs.gov](mailto:charles.armitage@srs.gov).*

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