

real-work opportunities

Design Engineering

at the Savannah River Site



a member of the Westinghouse Savannah River Company Team

At the Savannah River Site, the Design Engineering Department provides cost effective, detailed engineering design, structural analysis, risk management, life cycle cost analysis and environmental restoration work for new chemical processes and support facilities.

The department also provides modifications to existing structures, systems and components.

Design Engineering offers many career-developing opportunities for most engineering disciplines.

The majority of these opportunities are for mechanical, electrical, chemical, instrument and controls, systems, civil structural and plant design engineers.

The department provides technical training opportunities, as well as mentoring to enable the new engineer to become familiar with the department and site practices.

The Design Engineering Department is a modern engineering and design team that is made up of innovative, problem-solving professionals. Typical work assignments for a new engineer includes:

- Detailed engineering design of new systems, structures and components including chemical and nuclear processes, piping, mechanical equipment, metallic and concrete structures, electrical power distribution systems, and process instrument and control systems.
- Providing innovative solutions for upgrades and modifications to existing systems, structures and components.
- Development of requirements for the procurement of equipment and components.
- Technical reviews of new designs, design changes, modifications and repairs utilizing codes, standards and engineering expertise.

To accomplish the Design Engineering mission, employees will:

- Engage in challenging nuclear and non-nuclear systems and facility designs;
- Use engineering automation tools to reduce design and construction costs;
- Introduce and implement new

technologies and industry trends through dissemination of technical information;

- Use state of the art techniques for analysis of systems and structures;
- Direct structural and seismic testing of equipment structures and components;
- Develop and implement structural and pressure integrity programs;
- Design project execution strategies through cost analysis, risk management and decision analysis;
- Support the construction and startup of new facilities and modifications to existing facilities.

For more information about Design Engineering, please contact Patrick Corcoran, Manager of Engineering and Deputy Site Chief Engineer, at (803) 952-9732, or by e-mail at patrick.corcoran@srs.gov.

Westinghouse Savannah River Company



Be part of our real-life equation!