

real-work opportunities

Geotechnical Engineering

at the Savannah River Site



a member of the Westinghouse Savannah River Company Team

At SRS, the Site Geotechnical Services Department is organized into several broad functional groups specializing in various aspects of geological, seismological and geotechnical (GSG) fields.

This organization consists of a talented and diverse team of problem-solving professionals. The group provides GSG support services for new mission facilities, engineering design and construction, and environmental cleanup at SRS on a cost effective and technically sound basis.

Realizing the importance of maintaining accurate geologic and seismic information, Site Geotechnical Services conducts sitewide geologic and geotechnical studies, including field and laboratory testing.

Geologists also provide geologic core logging services for seismic, environmental restoration and other regulatory projects at SRS. This organization is the lead for furnishing rock layer interpretations and determining soil property strata for sitewide use.

With innovative approaches to characterization work, analytical methods and effective communication tools coupled with commitment to teamwork, Site Geotechnical Services is assured of continued success.

Assignments for new engineers and scientists assigned to work in Site Geotechnical Services cover a broad range of geotechnical and environmental tasks.

Commensurate with each new employee's work experience, engineers and scientists will begin their Site Geotechnical Services assignment with a senior professional. Progression to lead responsibilities will be rapid with most new engineers or scientists gaining experience in a blend of field and office activities.

New engineers or scientists can expect geotechnical work assignments to evolve from three major disciplines:

• **GSG Characterization Work:**

The new engineer will perform seismic and structural geologic testing—including the development of the SRS design basis earthquakes and maintenance of seismological monitoring systems.

• **Geotechnical Engineering:**

The new engineer performs soil mechanics and foundation studies including static and dynamic settlement analysis, soil bearing evaluations, liquefaction analysis, embankment and dam seepage and stability analysis and

design, pile foundation design, sheeting/shoring design and soil remediations.

• **Geo-Environmental Functional Area:**

The new engineer provides full-time support to the Environmental Restoration program to establish overall programmatic direction, and regulatory support for conducting Resource Conservation and Recovery Act/Comprehensive Environmental Response, Compensation & Liability Act, remedial investigations, waste unit characterizations and risk assessments within Environmental Restoration Engineering.

For additional information about Geotechnical Engineering, please contact Russ Beckmeyer, Manager of Site Geotechnical Services, (803) 952-6845, or at russ.beckmeyer@srs.gov.

Westinghouse Savannah River Company



Be part of our real-life equation!