

POSITION TITLE: WASTE DETERMINATION MONITORING ENGINEER

DUTIES: Position responsibilities include groundwater and vadose zone modeling, participation on multi-disciplinary technical teams, development of groundwater and vadose zone modeling sections of regulatory documents, technical analysis and interpretation of environmental data, development and delivery of presentations to management, DOE, and environmental regulatory agencies, and general technical support for environmental restoration activities and projects. Responsibilities may also include leadership roles for various projects, subcontract technical representative duties, and mentoring of inexperienced engineers and scientists.

General responsibilities include:

- 1) Perform groundwater and vadose zone modeling / or review and analyze/ troubleshoot modeling results.
- 2) Ensure that applicable regulatory guidance, data analysis, protocols, and program requirements are accurately implemented and integrated into the modeling.
- 3) Ensure that all project team, DOE, and management review comments are properly dispositioned and incorporated as applicable.
- 4) Draft and/or revise groundwater and vadose zone modeling sections of tank closure ro salt waste disposal documents.
- 5) Assemble and maintain the appropriate documentation for project files and the administrative record file.
- 7) Prepare presentation material to support meetings with NRC, EPA and SCDHEC.
- 8) Participate in comment resolution meetings, scoping meetings, and other negotiations with NRC, EPA and SCDHEC.
- 9) Provide general modeling technical support for project teams and management.

REQUIRED QUALIFICATIONS:

Education/Experience:

- PhD degree in applicable scientific field and 1 year of previous environmental experience; or
- MS degree in applicable scientific field with 2 years of previous environmental experience; or
- BS degree in applicable scientific field with 5 years of previous environmental experience.

Skills:

- Expertise in vadose zone and groundwater modeling;
- Technical writing skill,
- Ability to work as part of a multi-disciplinary team,

Experience with EXCEL, GIS, CAD, statistical analysis, MODFLOW, GMS, GOLDSIM, VZCOMML, SESOIL, ACCESS, PORFLOW and ORACLE databases are all desirable.

Work Hours:

Some flexibility is available. A four-day 40-hour work week is scheduled. The applicant will be expected to work Monday through Thursday from 6:45 - 5:15. Each work day has a 30-minute non-paid lunch.

Area Security Access:

A security clearance is not required.