Fire Protection Engineer - Plant Vogtle 3&4 (Augusta, GA)
For consideration, please visit www.southerncompany.com/careers and search for requisition SNC2004204. Candidates must apply online for consideration. This posting is currently open through June 19th, and may be extended.

Southern Nuclear, a subsidiary of Southern Company, manages and operates six nuclear power electric generating plants that provide approximately 20 percent of the electricity used in Alabama and Georgia. Southern Nuclear is leading the nuclear renaissance by building the first new U.S. nuclear reactors in more than 25 years. When completed, the two Westinghouse AP1000 reactors currently under construction at Plant Vogtle will make the facility the largest in the U.S. with four reactors on one site. This is an exciting time to join the Southern Company team and share your talents with a growing and progressive organization!

The Vogtle 3&4 Operational Readiness Engineering organization is seeking a high performing engineer with an analytical mindset and a desire to become an expert in programmatic and technical matters in the area of nuclear plant fire protection design.

The Fire Protection Engineer will work at the V3&4 construction site in the Operational Readiness Engineering BOP Group and will be responsible for overall coordination and establishment of the Fire Protection System, as well as other related systems in readiness for startup and commercial operations.

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**JOB DUTIES & RESPONSIBILITIES**

- Provide fire code and fire program expertise. Ensure program compliance with codes, standards, and regulations.
- Prepare for NRC/INPO pre-operational inspections.
- Monitor the construction, testing and performance of the fire protection detection and protection systems.
- Review design/field changes for accuracy, program impact, and functional testing.
- Develop and improve Preventive Maintenance tasks based on corrective actions and monitoring, Operating Experience, and PM feedback.
- Develop and/or provide technical support in the development of surveillance testing, fire protection pre-plans, and impairment monitoring and reporting processes.
- Ensure appropriate training and guidance and appropriate reference materials are provided for station personnel who perform or review fire protection documents. Participate and assess fire drills and emergency response exercises.
- Review and respond to industry OE
- Develop and oversee fire protection system acceptance testing.
- Validate system design parameters and installation acceptability.
- Validate system lineups and P&ID’s

**General Engineering responsibilities:**

- Plans, organizes and manages work to meet project schedules and changing priorities.
- Evaluates equipment failures and recommends appropriate course of action.
- Evaluates and implements design changes to plant equipment.
- Evaluates, monitors and trends plant data for assigned area of work or system.
- Troubleshoots systems, performs predictive and root cause analysis, and determines and initiates corrective action.
- Plans assigned phases of preventive, routine and special maintenance programs, and performs engineering evaluations of equipment needed for the operation of a safe and economical nuclear plant.
- Provides guidance and training to other employees and contractors on technical issues within an assigned area of work or system.
**JOB REQUIREMENTS**

*Education Requirements:*

- Bachelor of Science degree in an Engineering discipline from an accredited college or university OR Professional Engineer license plus 3 or more years of Fire Protection Engineering experience, is required.
- Bachelor of Science degree in Fire Protection Engineering from an accredited college or university is preferred.

*Experience Requirements:*

- Four years in the engineering field including three years of fire protection engineering work responsibilities is highly desired.
- Nuclear power plant experience is preferred
- Membership in the Society of Fire Protection Engineers (SFPE) is highly desired,
- Participation in key industry groups such as the Nuclear Energy Institute (NEI), the Electric Power Research Institute (EPRI), National Fire Protection Association (NFPA) is desired

*Technical Requirements:*

- Detailed knowledge of plant procedures and regulations in assigned area is preferred
- Detailed knowledge of plant systems and processes is preferred
- Working knowledge of computer software programs supporting assigned area is preferred
- Working knowledge of NFPA codes, with an emphasis on NFPA 10, 13, 20, 72, and 804 is preferred.

*Behavioral Attributes:*

- Prioritizes work of self and others to ensure schedules are met; incorporates vendors/contractors and other employees into decision-making when necessary, acting in a lead role to ensure quality decisions are made; considers financial implications of decisions and actions to ensure cost are controlled; communicates well both in writing and orally.
- Holds self accountable for superior results; respects the dignity of every individual; assumes personal responsibility for individual and corporate success.

*Southern Company* (NYSE: SO) is a super-regional energy company with 4.3 million customers and more than 42,000 megawatts of electric generating capacity in the Southeast. It is one of the largest producers of electricity in the U.S. Southern Company is the parent firm of Alabama Power, Georgia Power, Gulf Power, Mississippi Power, Southern Power, Southern Nuclear, SouthernLINC Wireless, and Southern Telecom. Southern Company brands are synonymous with excellent customer service, high reliability, and prices that are 15 percent below the national average.

Southern Company is an equal opportunity employer where an applicant's qualifications are considered without regard to race, color, religion, sex, national origin, age, disability, veteran status, genetic information, sexual orientation, gender identity or expression, or any other basis prohibited by law.