

NUCLEAR AND FACILITY SAFETY SERVICES

NUCLEAR FACILITY SAFETY SERVICES

ORNL offers a full range of nuclear facility safety services to both its government and commercial clients. Staff members have extensive experience in the performance of the following services:

- Guidance and training for facility and onsite transportation safety basis documentation, unreviewed safety question process, configuration management, operational readiness reviews and assessments, system engineering, and natural phenomena hazards analyses
- Preparation, implementation, and maintenance of facility and on-site transportation safety basis documentation
- Reviews of facility and on-site transportation safety basis documents, including approval through the Laboratory Facility Authorization Basis Board
- Support for the Accelerator Safety Review Committee and the Reactor Review Committee
- Facility surveillances and support visits, occurrence investigations, and special task reviews

NUCLEAR CRITICALITY SAFETY SERVICES

ORNL offers a full range of nuclear criticality safety (NCS) services to both its government and commercial clients. Staff members have extensive experience in the performance of NCS evaluations, NCS program development, criticality code validations, and criticality calculational analyses.

Areas of expertise:

- NCS Evaluations
- Program Development Support
- Radiation Source Term and Shielding Analysis
- Criticality Accident Alarm System Analyses
- Nuclear Safety Computer Code Verifications/Validations
- Standards and Procedures
- Configuration Management
- Licensing/Regulatory Support
- Off-Normal Condition Response/Emergency Preparedness
- Training and Qualification

FIRE PROTECTION ENGINEERING SERVICES

ORNL Fire Protection Engineering offers a comprehensive selection of fire protection services with expertise to assist federal and nonfederal entities. Our extensive fire protection engineering services and expertise are available to assist you in identifying your requirements and in meeting your needs.



Areas of expertise:

- Policies, Plans, and Procedures
- Analysis and Assessment
- Fire System Testing
- Consultation and Technical Expertise

CONSTRUCTION SUPPORT SERVICES**Areas of expertise:**

- Extensive history in the development of environmental, safety, and health specifications for contracts
- Partnerships with customers to tailor safety and health expectations to the scope of work
- Understanding the various safety and health roles and responsibilities of a dynamic work site where several DOE prime contractors are performing work. Support for the sharing of information between prime contractors to avoid gaps in worker health and safety coverage
- Practicing good stewardship for ORNL, realizing that any safety and health incident can impact all operations at the Laboratory
- Performing safety inspections with customers and subcontractors to achieve real-time hazard identification and correction

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