Occupational and Environmental Safety
About Us
Occupational and Environmental Safety (OES) is a team of dedicated professionals providing safety and compliance services to support Clemson University’s core mission of research, teaching and public service. We accomplish this through collaboration and partnerships with the Clemson community and are committed to continuous improvement and exceptional customer service.

Vision
To be a high performing and valued OES organization where safety and environmental protection are core values in the day-to-day operations of the University and integrated into the educational experience of our students.

Jim Grieger, Executive Director
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Occupational and Environmental Safety Programs

Biosafety
The Biosafety program provides services to assist teaching and research labs using biological materials such as rDNA and infectious materials. Services are provided to non-lab staff who may encounter similar materials in their work. The program also provides risk assessments, training, physical containment review, operational practices and interpretation of regulatory requirements. As a member of the Institutional Biosafety Committee (IBC), the Biosafety program assists researchers in research protocol approvals.

Radiation Safety
The Radiation Safety program oversees the University license and compliance for the use of all radioactive materials as required by the South Carolina Department of Health and Environmental Control (DHEC). This includes radioactive materials used in research, radiation-producing devices registered with the state (i.e. x-ray units) and non-ionizing sources of radiation such as lasers, magnets and radio frequency energy. Support services include training, laboratory inspections, exposure monitoring, receiving waste management and emergency response.

Laboratory Safety
The Laboratory Safety program provides consultative services to teaching and research laboratories where hazardous chemicals are used. Services include lab inspections, review of lab practices and operations, training, personal protective equipment assessments and interpretation of regulatory requirements. In compliance with the OSHA Hazard Communication Standard, the program provides training and hazard assessments to non-laboratorians in settings where hazardous chemicals are used.

Occupational Safety
The Occupational Safety program provides best practice consultation and OSHA General Industry and Construction compliance support to minimize the risk of injuries and hazardous exposure incidents in Clemson’s living, learning and working environment. The program builds strong partnerships with campus units, student clubs, event coordinators and the local community through reliable and credible service. Services include hazard assessments, safety training, incident investigations, inspections and recommendations for safe work practices.

Industrial Hygiene
The Industrial Hygiene program provides services to recognize, evaluate and control health and safety hazards in teaching and research areas. This includes conducting chemical and physical hazard assessments; coordinating the Respiratory Protection, Hearing Conservation and Personal Protective Equipment (PPE) programs; conducting chemical and noise monitoring; and assisting with accident investigations. The program provides consultative and review services of regulatory requirements for general safety, evaluates engineered safety devices and provides guidance during new building or lab construction. The Industrial Hygiene team also assists departments in meeting OSHA requirements and providing resources and training for a safe and healthy living, learning and working environment.

Hazardous Materials
The Hazardous Materials program manages hazardous materials, including chemical and biological waste. Researchers, maintenance staff and others who generate hazardous waste are provided training and proper procedures on how to prepare waste for pickup by OES. The program provides training and guidance on the shipment of hazardous materials in compliance with stringent Department of Transportation and Federal Aviation Administration laws is also provided.

Environmental Compliance
Environmental Compliance assists departments in meeting their environmental compliance responsibilities, including spill prevention and countermeasure control (SPCC), emergency planning and community right to know (EPCRA), stormwater, underground storage tank/above-ground storage tank, PCB’s, CERCLA and other environmental regulations.

Asbestos Management
The Asbestos Management program ensures any asbestos containing material is properly managed, maintained and eventually removed. The Asbestos Management program has strict controls on activities with the potential to disturb these materials. Testing is required to determine the presence of these materials prior to any such activity. If asbestos is found, strict regulations govern its removal prior to any renovation or demolition that could potentially disturb these materials.

Off-Campus Facilities
OES provides programs and services to all facilities off the main campus. An OES Safety Manager is assigned to CURI in North Charleston and supports all Lowcountry Clemson operations. Individuals or groups conducting research away from Clemson University’s main campus who require any OES services should contact the main office for assistance.
Program Areas

Research Safety

**Biosafety**
Kerri Kwist, Program Manager
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- Institutional Biosafety Committee (IBC)
- Bloodborne Pathogens
- Biosafety Cabinets
- Biosafety/General training
- Lab Inspections
- Incident Investigation
- IACUC

**Radiation Safety**
Konstantin Povod, Program Manager
kpovod@clemson.edu

- Radiation Safety Committee
- Radioactive Materials Use
- X-Ray Program
- Lasers
- Inspections/Training
- SC DHEC Compliance
- Non-ionizing Radiation

**Laboratory Safety**
Christopher Weber, Program Manager
cweber2@clemson.edu

- OSHA Lab Standard
- Lab Safety Inspections
- Fume Hood Testing Program
- Lab Safety Training
- PI Safety Orientation
- Chemical Safety
- Lab Renovations
- SOP Development
- Nanomaterials
- First Aid/CPR
- Fire Extinguisher Lab Training

Occupational Safety and Health

**Occupational Safety**
Jeff Anthony, Program Manager
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- OSHA Compliance/General Industry Training
- Construction Safety
- Incident Investigation
- Personal Protective Equipment
- Design Plan Review
- Staff Workplace Safety (JSA) Review Training
- Electrical Safety/Shop Safety/Field Safety
- Student Club/Event Safety
- Heavy/Power Equipment Training
- General Safety Review
- Minor Workers (JSA) Review
- Safety Training
- New Equipment Training
Industrial Hygiene
Anne Kogut, Program Manager
akogut@clemson.edu

Respiratory Protection
Hearing Conservation
OSHA Compliance
Hazard Communication
Reproductive Hazards/Chemical Reviews
BioRAFT IT Software Management
Indoor Air Quality
Nanomaterials
Incident Response
Ergonomics
Department Safety Coordinator Program
Safety Training

Environmental Programs

Hazardous Materials and Environmental Compliance
June Brock Carroll, Program Manager
juneb@clemson.edu

Hazardous/Biohazardous Waste
Hazardous Materials Shipping (DOTA/IATA)
Construction Regulated Waste
SC DHEC/EPA Compliance
CERCLA
SPCC
Stormwater EPCRA
UST/AST
PCBs
Training/Environmental Programs

Asbestos Management
Robin Newberry, Program Manager
wnewber@clemson.edu

Asbestos O&M Plan
Asbestos and Lead Surveys
Compliance Inspections/Project Monitoring
Asbestos Awareness/Training
O&M Program/Training
Invoicing/Record-keeping
Lead Surveys
Lead Abatement

Business Operations
Lisa Wray, Program Manager
lwray@clemson.edu

Executive Director Support
OES Business Operations

Lowcountry Facilities
Kurt Rayburg, Program Manager
kdraybu@clemson.edu

CURI and Charleston
Coastal REC
Edisto REC
Pee Dee REC
Baruch Institute
Charleston Architecture Center
Facilitating University research, teaching and public service programs with technical consultation on all safety issues.