

Environmental Health and Safety Annual Report



***Division of Business
Affairs Safety and Security
Department***

January 2023 - December 2023

Environmental Health and Safety (EHS)

The Office of Environmental Health and Safety (EHS) is an operational unit within the Department of Safety and Security. EHS is a multidisciplinary profession that promotes the protection of the environment, human health and safety from the effects of occupational activities. From environmental protection to occupational safety and health, we provide the resources necessary to keep the campus safe.

Mission

To ensure compliance with occupational regulations and manage hazards that pose a risk to people, property and the environment.

Vision

To support and empower the campus community to proactively integrate environmental health and safety programs into teaching, research and service activities.

Strategic Plan Goals



GOAL 1

Ensure the University remains a great place to work by enhancing safety measures, training and visibility of the Environmental Health and Safety program.



GOAL 2

Provide efficient operations and excellent customer service by evaluating, redesigning and streamlining standard operating procedures and technical training to improve customer service quality.



GOAL 3

Support the University in achieving national prominence as an emerging, top-tier research university by leveraging technology to digitally transform EHS services and data management.

Data and Performance

Highlights

Impact

North Carolina Certificate of Safety Achievement resulting in substantial reduction of injuries and illnesses and the promotion of safer working conditions.

Recognized as a safe employer. Thereby, supporting and maintaining the workforce while reducing expenses related to workplace injuries.

The 2023 Occupational Safety and Health Administration (OSHA) injury incident recordable rate is 0.65, which is 50% below the U.S. Bureau of Labor Statistics college and university injury incident average of 1.4.

Recognized as safe employer by reducing regulatory agency oversight. Thereby, supporting and maintaining the workforce.

Zero monetary fines or penalties from external regulatory agencies.

No financial or reputational losses due to compliance violations.

CSHEMA Innovation Safety Award for implementation of a Passive Refrigerant Recovery Project.

Long-term cost savings, environmental sustainability, and reduced EPA compliance enforcement.

\$1 million donation of research materials.

Contributed to the success and growth of research on campus and provided cost savings to laboratories.

45,643lbs. of hazardous waste removed or repurposed.

Supported research and environmental sustainability.

94% customer satisfaction rating.

Increased campus community awareness and value of EHS services to make data-driven organizational improvements.

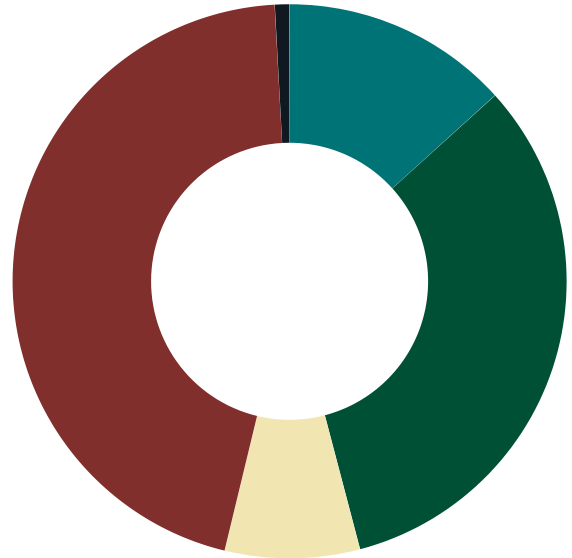
Data and Performance

Services

Counts

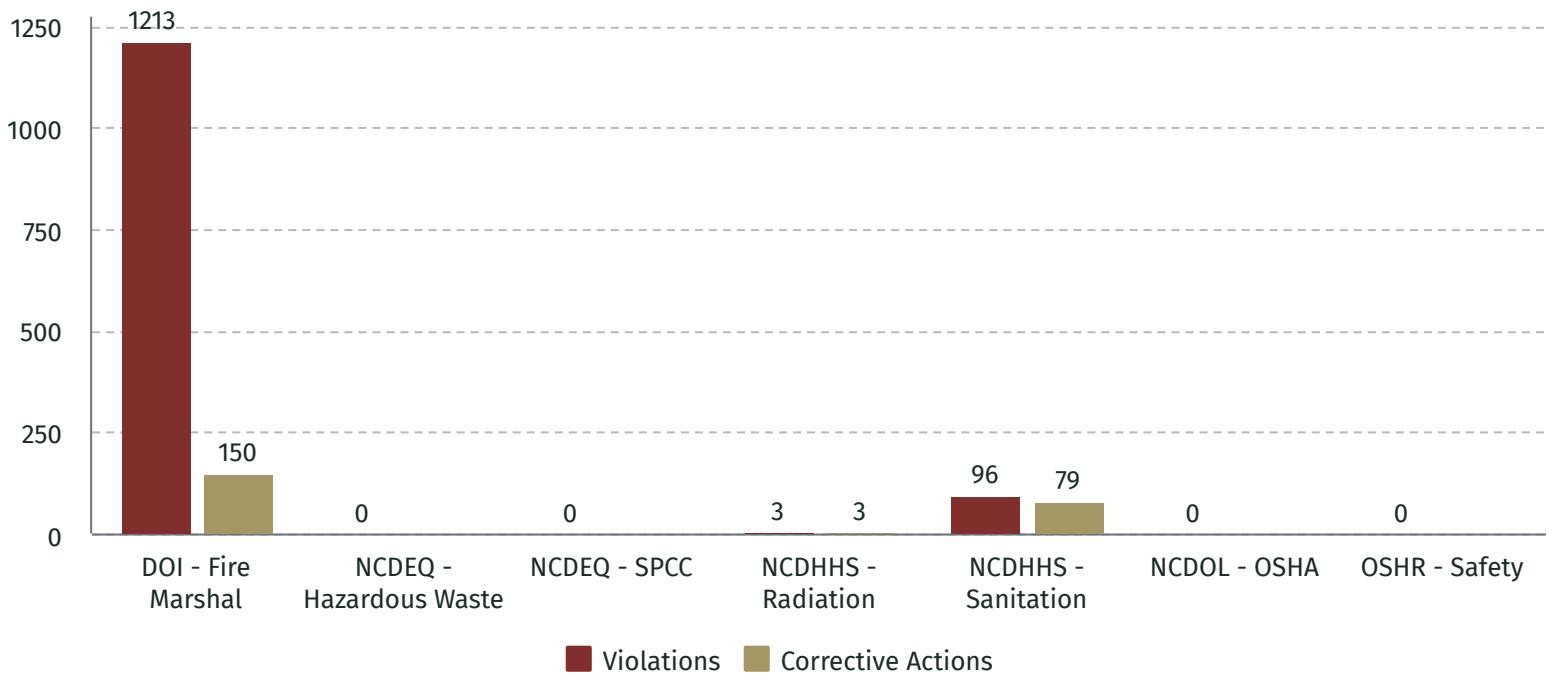
Consultations	471
Assessments	1,155
Emergency Preparedness	278
Inspections	1,710
Investigations	30
Total	3,644

Services by Type



■ Consultations (13.3%)
 ■ Assessments (32.62%)
■ Emergency Preparedness (7.85%)
 ■ Inspections (45.38%)
■ Investigations (0.85%)

Regulatory Agency Inspections



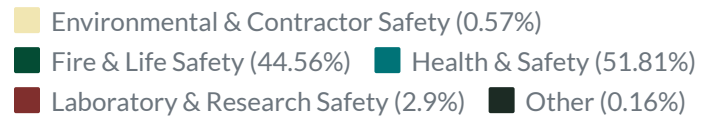
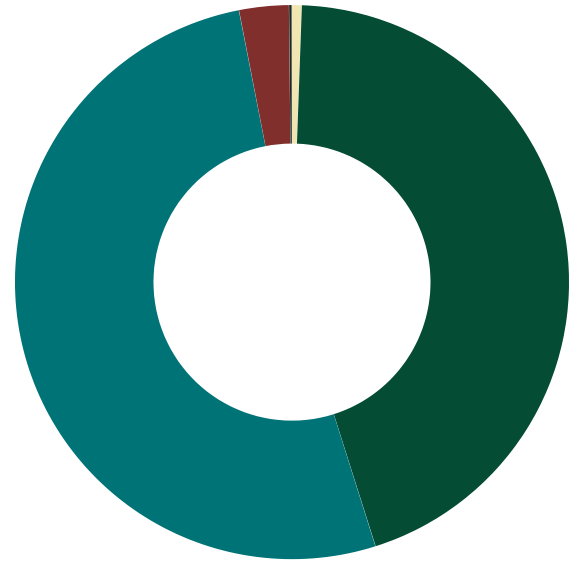
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Training Attendance

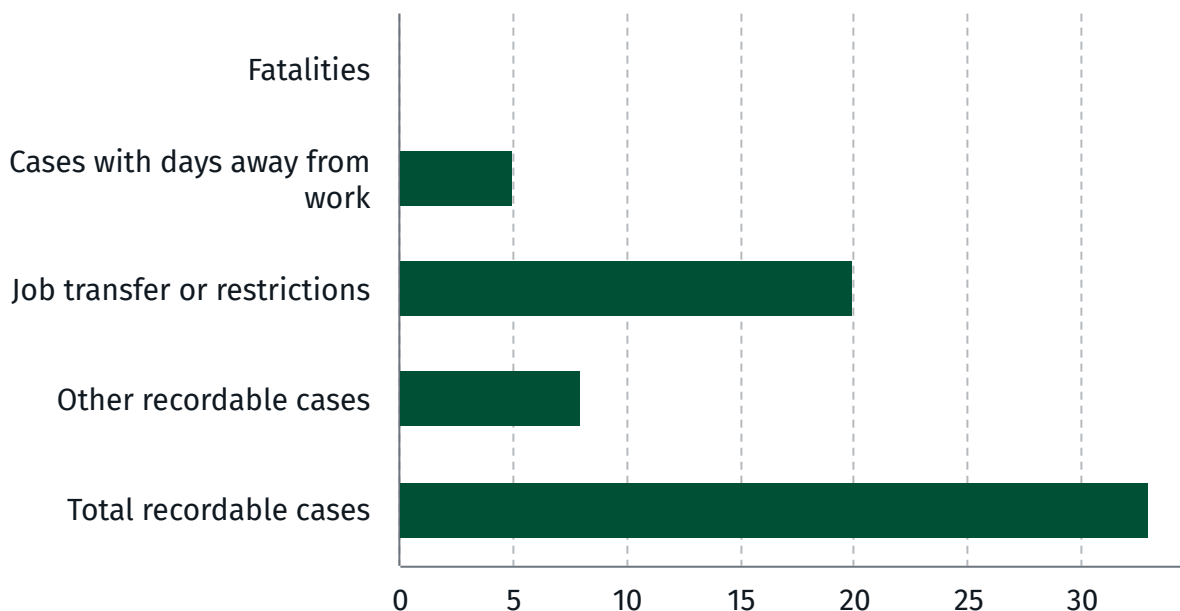
Counts

Training Attendance by Programs

Environmental & Contractor Safety	172
Fire & Life Safety	13,456
Health & Safety	15,646
Laboratory & Research Safety	877
Other	49
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Total Attendance	30,200



Work-Related Injuries and Illness Summary



Work-related injuries and illnesses remained within acceptable tolerance levels with a total of 33 OSHA recordable injuries and illnesses.

Environmental & Contractor Safety



The Environmental & Contractor Safety Team administers and monitors compliance programs that increase the campus community's public awareness and knowledge of environmental compliance. The Team specifically administers and monitors Environmental Protection Agency (EPA) Air, Water, Asbestos, Lead, Refrigerate and Spill Prevention programs.

The Team also administers and monitors Occupational Safety and Health Administration (OSHA) Crane, Fall Protection, Hoist, Scaffolds, Trenching and Excavation programs.

Prevention & Control



Important Numbers

The Team monitors all campus activities including contractors to control environmental contamination from asbestos, lead, refrigerate, and pesticides. The Team also focuses on preventing accidents and incidents as a result of contractor work involving cranes, fall protection, hoist, scaffolds, trenching and excavation.

1. Spill Prevention Inspections	363
2. Refrigerant Inspections	104
3. Fall Protection Inspections	118
4. Contractor Job Site Safety Assessments	13
5. Pre-construction Safety Consultations	25
Total	671

Fire & Life Safety



The Fire & Life Safety Team administers and monitors compliance programs that increase the campus community's awareness and knowledge of fire and life safety compliance. The Team specifically administers and monitors North Carolina Fire Code (NCFC) Automated External Defibrillator, Building Emergency Evacuation, Event Safety, Fire Safety, Safety Monitor, and Hot Work programs.

Prevention & Control



Important Numbers

The Team monitors all campus activities to control the risk of fire and potential loss of life. The Team focuses on fire prevention associated with cooking, arson, smoking, welding hot work, and pyrotechnics. The Team also focuses on emergency preparedness by developing building emergency evacuation plans, training and fire drills.

Throughout the year, the Fire & Life Safety Team engaged with students, faculty, staff and first responders to implement life saving programs resulting in no injuries from fires or property loss.

1. Fire Drills	237
2. AED Inspections	137
3. Building Inspections	60
4. Space Heater Assessments	42
5. Event Safety Consultations	12
6. Hot Work Permits	4
Total	492

Health & Safety



The Health & Safety Team administers and monitors compliance programs that increase the campus community's awareness and knowledge of health and safety compliance. The Team specifically administers and monitors Occupational Safety and Health Administration (OSHA) and North Carolina Department of Health and Human Services (NCDHHS) North Carolina Fire Code (NCFC) Health Surveillance, Hearing Conservation, Indoor Air Quality, Respiratory Protection, Personal Protective Equipment, Confined Space, Lockout Tagout, Electrical and Sanitation programs.

Prevention & Control



Important Numbers

The Team monitors all campus activities to control the risk of occupational injury and illness. The team focuses on injury and illness prevention associated with exposure to high noise levels, heat, air contaminants, ergonomic positioning, electricity, and equipment maintenance.

The Team also focuses on identifying and remediating workplace hazards by engaging with students, faculty and staff to implement job hazard analysis, ergonomics and incident investigation programs resulting in a reduction of injuries.

1. Hearing Conservation Assessments	52
2. Respiratory Protection Assessments	45
3. Asbestos Assessments	34
4. Injury Prevention Assessments	34
5. Indoor Air Quality Assessments	19
6. Ergonomic Assessments	15
7. Electrical Safety Assessments	11
Total	210

Laboratory & Research Safety



The Laboratory & Research Safety Team administers and monitors compliance programs that increase the campus community's awareness and knowledge of laboratory and research safety compliance. The Team specifically administers and monitors Occupational Safety and Health Administration (OSHA) and North Carolina Department of Health and Human Services (NCDHHS) Radiation Protection and North Carolina Department of Environmental Quality (NCDEQ) programs.

Prevention & Control



The Team monitors all campus laboratory and research activities to control the risk of injury, illness and property loss. The Team focuses on prevention associated with chemicals, radiation, hazardous waste, infectious materials, bloodborne pathogens, and lasers. The Team also focuses on supporting research innovation by providing research equipment, training, and consultations.

Throughout the year, the Laboratory & Research Safety Team engaged with students, faculty and staff, to provide support and guidance in implementing appropriate lab safety practices and programs resulting in no serious injuries.

Important Numbers

1. Lab Inspections	632
2. Hazardous Waste Inspections	208
3. Fume Hood Assessments	298
4. Laser Inspections	29
5. Business Partners Inspections	25
6. Radiation Dosimetry Monitored	290
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Total	1,482

Program Support & Outreach



The Program Support & Outreach Team provides administrative, business, process improvement, marketing, technology, recordkeeping and outreach services. The Team's primary focus is marketing EHS services to increase the campus community awareness and implementing internal process improvements.

Support & Outreach



The Program Support & Outreach Team works to promote safety awareness and injury prevention to the campus community. A couple of highlights are listed below:

- Increased marketing of online safety training courses resulting in a **182%** increase in online training courses completed as compared to calendar year 2022.
- Increased marketing of the customer feedback form, resulting in a **800%** increase in customer service feedback responses.

Important Numbers

1. Online Training	30,146
2. Classroom Training	54
3. Outreach Sessions	16
4. Customer Service Feedback	18
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Total	30,234

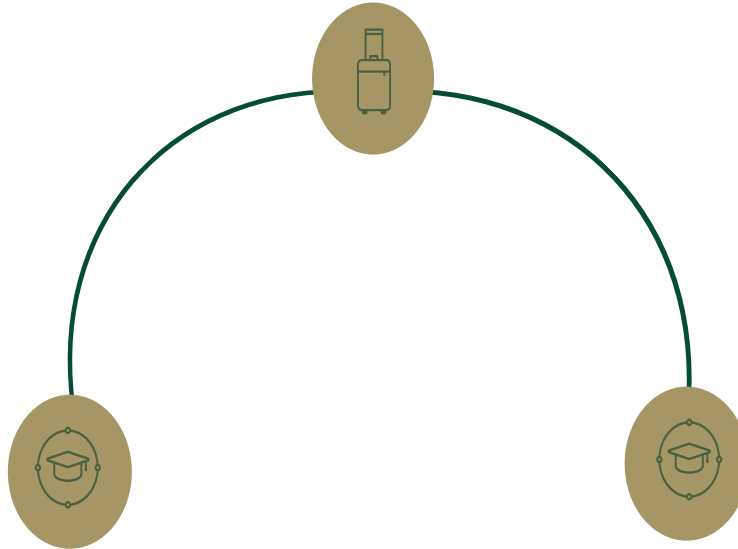
Team

Awards

- CSHEMA Innovation Award
- NCDOL First Year Gold for Reduction of Injuries

Appointments

- Environmental & Contractor Manager appointed to lead CSHEMA CoP
- Associate Director appointed Radiation Safety Officer



Professional Development

- 1,000 hours professional development
- MESH Certificate
- DiSC Training
- Second Harvest Day of Service

Director

Darius Griffin, Director

Program Support & Outreach

Shannon Robinson, Manager
Derricka Clyburn, Specialist
Veronica Siveroni, Specialist

Fire & Life Safety

Derrick Gibbs, Manager
Ryan Reichert, Coordinator
Tanner Inman, Coordinator
Edward Helms Jr., Specialist

Health & Safety

Bruce Crowell, Manager
Christine Pirotin, Coordinator
Chakeemia Shoulars,
Coordinator
Kyle Blankenship, Specialist

Associate Director

John Svenson, Associate
Director

Environmental & Contractor Safety

Tim Johnson, Manager
Kyle Thaman, Officer
Tyler Vanhoy, Specialist

Laboratory & Research Safety

Brian Stewart, Manager
Linda Robles, Officer
Sarah Eppard, Officer
Rhett Bagley, Specialist