



FY20 Annual Report

Environmental Health & Safety

Texas A&M University

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Contents

About EHS _____	3
Vision	3
Mission	3
Core Values	3
EHS Staff _____	4-5
Fiscal Year 2020 Highlights _____	6
Inspections/Surveys	6
Radiation Safety	7
Waste	8
Training/Outreach	8
Other	9
EHS Awards	10
Publication	10
Fiscal Year 2021 Initiatives	10
Working Together	11
Campus Committees	11
Photos _____	12

About EHS

Vision

We pledge to ensure that Texas A&M provides the highest standard in health, safety, and environmental protection.

Mission

Environmental Health and Safety supports and enriches Texas A&M University by providing quality programs and services that instill safety, health, and environmental stewardship.

Core Values

Safety: We believe safety is paramount.

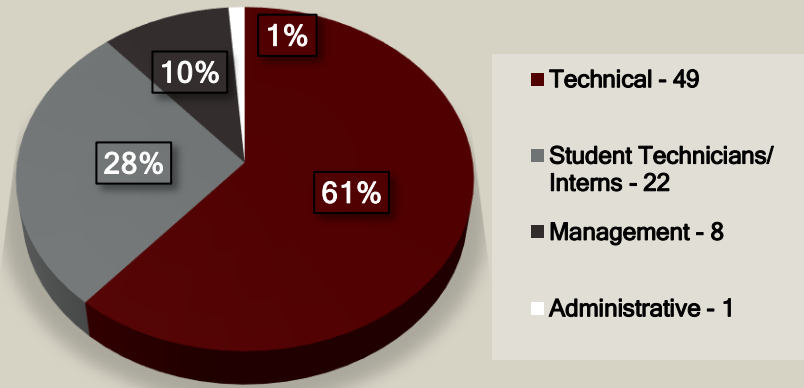
Communication: We provide education and assistance.

Cooperation: We work together to achieve excellence.

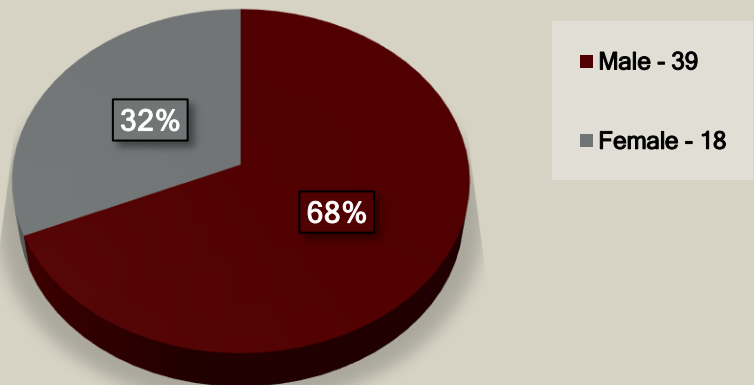
Integrity: We value respect, virtue, and professionalism.

EHS Staff

Job Category

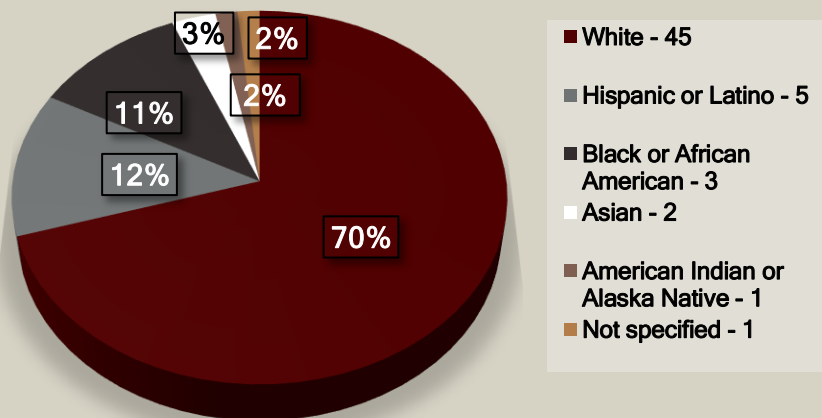


Gender*



* Budgeted staff

Ethnicity*



* Budgeted staff

Qualifications

Board Certifications: Certified Hazardous Materials Manager, Certified Safety Professional, Certified Health Physicist, Certified Industrial Hygienist, Certified Fire Protection Specialist, Certified Fire Inspector, and Certified Building Inspector

One Board Certification – 9

Two or more Board Certifications – 7

Advanced Degrees: Masters and/or Ph.D. – 17

Reporting Structure

EHS reports to Christopher M. Meyer, Associate Vice President of Safety and Security in the Division of Finance and Operations. Mr. Meyer reports to Dr. Jerry Strawser, Executive Vice President and Chief Financial Officer.

Fiscal Year 2020 Highlights

Inspections/Surveys

- Performed 226 stormwater outfall inspections
- Performed 373 stormwater construction inspections
- Performed 3316 laboratory inspections
- Performed 29 shop inspections
- Performed 680 building inspections
- Performed 565 residence building inspections
- Performed 6146 residence hall (room-by-room) inspections
- Performed 858 Automated External Defibrillator (AED) annual inspections/maintenance
- Performed 72,230 fire extinguisher inspections
- Collected 749 asbestos samples for 100 asbestos surveys requests
- Collected 87 mold samples
- Performed 11 Extension Center/Research Station annual inspections-AgriLife Safety
- Performed 4467 monthly inspections of electrical transformers-UES Safety
- Laboratory Decommissioning: 27 labs decommissioned
- Performed 54 autoclave validations
- Performed 520 sprinkler valve inspections
- Performed 1868 eyewash inspections
- Performed 59 safety shower annual inspections
- Performed 13 annual fume hood certifications

Radiation Safety

- Performed 5500 radiation contamination surveys
- Received, processed, and delivered 185 radioactive materials packages
- Managed two X-ray registrations and one Laser registration with the State of Texas
- Managed three radioactive material licenses with the State of Texas and one with the Nuclear Regulatory Commission
- Oversaw 130 permits for possession, use, and disposal of radioactive materials
- Oversaw 68 radiation producing device permits and 93 laser permits
- Conducted inventory control and inspection on 399 laser systems and 140 x-ray units
- Performed response checks and facilitated calibration on 120 radiation detection instruments
- Handled almost 6802 dosimetry badges for 25 different accounts
- Provided general radiation safety training to 264 users and provided veterinary radiation safety training to 247 users
- Handled, sorted, and disposed 199 bags of radioactive dry waste and 162 carboys of liquid radioactive waste
- Disposed 22 (55-gallon drums) of dry solid and vial radioactive waste, 4 bulk radioactive liquid drums, and three (10-gallon drums) of radioactive sources through a commercial vendor
- Merged radioactive material licenses with Health Science Center, Nuclear Engineering and Science Center and Texas A&M College of Dentistry, Dallas.
- Managed two X-ray registrations and one Laser registration with the State of Texas
- Extended laser registration to include Prairie View A&M, IBT-Houston, and Texas A&M Kingsville
- Extended X-ray registration to include IBT-Houston facility
- Reviewed and approved 251 Maestro compliance items
- Reviewed 25+ Animal Use protocols dealing with radioactive materials/radiation producing devices/lasers
- Provided radiography support for UES and provided extensive technical support on radiation safety for University of North Texas Health Science Center

Waste

- Processed 12,819 hazardous waste items
- Recycled 14,045 pounds of lamps
- Recycled 825.2 pounds of batteries
- Disposed of 124,975.75 pounds of chemical waste
- Disposed of 21,735 pounds of biomedical waste in HSC facilities
- Provided \$94,259.42 annual cost avoidance through chemical waste bulking

Training/Outreach

- Trained 293 personnel to use portable fire extinguishers
- Performed 132 hearing tests (audiograms) with training
- Performed 781 fit tests with training for respiratory protection
- Conducted four Utility Locate training sessions for 67 individuals, representing 18 local contractors and Texas A&M University System departments-UES Safety
- Completed 13,013 safety training courses by Texas A&M faculty, staff, students
- Provided fire safety and extinguisher training to employees of the Brazos Valley Rehabilitation Center (a non-profit clinic)

Other

- Approved 582 requests for Unmanned Aerial System (UAS) flights over Texas A&M University from 56 flight applications
- Reviewed 213 animal use protocols
- Developed or updated 197 building evacuation plans
- Conducted 208 building evacuation drills
- Provided 24/7/365 emergency response service to campus using seven emergency response on-call groups
- Shipped hazardous materials successfully to 9 international destinations – Qatar, China, South Korea, Japan, France, Jordan, and Spain
- Continued EHS Professional Certificate program as an opportunity for staff to gain technical, administrative, and leadership skills. Four EHS staff members are participating in the program.
- Reduced OSHA Lost Time Injury Rates (0.47, down from 0.91 in FY19) and Recordable Injury Rates (0.94, down from 1.37 in 2019), both well under comparable Bureau of Labor and Statistics rates of 0.7 and 1.9, respectively- UES Safety
- Hosted pesticide waste collection event at the Weslaco Research Center in collaboration with TDA and AgriLife Extension. Disposed of 38.71 tons of pesticide waste
- Commissioned 1,383,634 ft² of new construction, major renovation, and tenant build-out for fire and life safety systems
- Completed comprehensive Spill Prevention, Control, and Countermeasure Plan (SPCC) for Texas A&M University

EHS Awards

College of Pharmacy:

Tommy Garza, Staff of the Year

Division of Finance and Operations Awards:

Abby Kurwitz, New Employee Impact Award

Abdallah Mirza, Excellence Award for Outstanding Staff

Campus Safety Health and Environmental Management Association (CSHEMA):

"EHS Professional Certificate Program," Innovation/Process Improvement Award

"Health Science Center (Cs-137) Irradiator Removal," Innovation/Resource Enhancement Award

"Winter Safety Dispatch," Marketing Single Media Award

Publication

Published "Plan-Do-Check-Act: A University Laboratory Equipment Decontamination Case Study" in *Professional Safety Journal* (October 2019)

Fiscal Year 2021 Initiatives

Injury and Illness metrics – driving preventative measures

Working Together

EHS works closely with other campus departments, including Texas A&M University Police, Emergency Preparedness, Utilities and Energy Services, Sustainability, and SSC Facility Services. EHS professionals provide academic support to several colleges, including the College of Agriculture, the School of Public Health, and the College of Engineering and facilitates internships for graduate students to provide meaningful hands-on, real-world experiences.

EHS serves as a liaison with regulatory and compliance agencies, such as the United States Environmental Protection Agency, the Nuclear Regulatory Commission, the Federal Aviation Administration, the Texas Commission on Environmental Quality, the State Fire Marshal's Office (Texas Department of Insurance), the Texas Department of State Health Services (TDSHS), and the Brazos County Health District.

Campus Committees

Animal Care and Use Committee

Concessions Committee

Council for the Built Environment Maintenance Review Sub-Council (MRSC)

Council for the Built Environment MRSC Classroom Improvement Committee

Division of Finance & Operations Employee Advisory Committee

Institutional Biosafety Committee

Radiological Safety Committee

Senior Safety Oversight Committee

Task Force on Campus Emergencies

Texas A&M Engineering Reactor Safety Board

Texas A&M Research Compliance Committee

Texas A&M System Safety Council

University Police Training Advisory Board

Unmanned Aerial Systems (UAS) Supervising Authority

Photos



1111 Research Parkway



Our Core Values



DOT/IATA Shipping Refresher Training



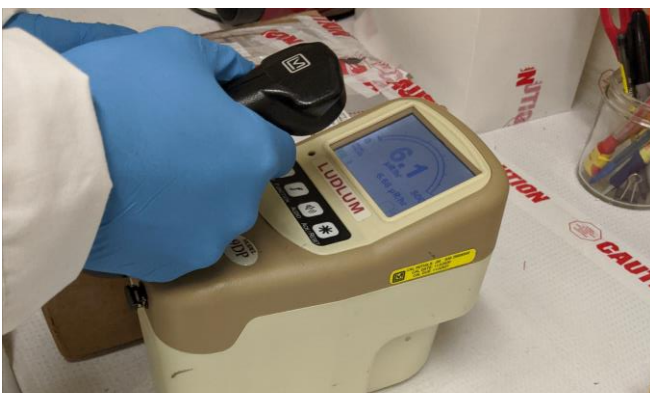
First Responder Meet & Greet – Fire Extinguisher Training



CSHEMA Awards – Innovation, Marketing



Stream Clean



Radiation Safety – PKG Reading



Until Help Arrives – AED Demonstration