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Welcome to the 2015 Annual Report for Environmental Health and Safety (EHS). We were more ambitious with this year’s report; more pages with additional information, and hopefully a bit of the EHS “story”.

Please understand that this is a condensed snapshot of the various programs within EHS. We have not attempted to describe everything we do because it would likely be rather long and boring. Instead, we provided facts and information that will provoke some thought about campus safety and hopefully help represent the contributions of the entire staff.

EHS has many programs to help provide a safe and environmentally responsible campus, but we cannot do it alone. Safety is the responsibility of every member of the campus community; students, faculty, staff and visitors. We need your continuous involvement, addressing safety in your daily work, to provide a world-class environment for learning and research. We at EHS hope you find this information to be both interesting and useful.

I encourage you to contact me (john.salsman@austin.utexas.edu) or the EHS staff (512-471-3511) with suggestions, comments, or questions.

Thanks,

John

John Salsman | Director
ABOUT EHS

VISION. It is our vision to become a recognized, national leader and innovator in campus environmental health and safety.

MISSION. The mission of Environmental Health and Safety is to promote healthy and safe operations on campus, to protect students, faculty, staff, and visitors, and to ensure protection of the environment.

VALUES.
Excellence: We encourage excellence and strive to go beyond compliance, promoting the best EHS practices.

Customer Orientation: We are committed to providing efficient and customer-friendly services to the university community.

Competency: We work diligently to maintain and continue to improve our skills, abilities, and knowledge.

Collaboration: We promote valued internal and external relationships with our community and encourage an open exchange of ideas and information.

Ethics: We are committed to acting with integrity and honesty in all our endeavors.

Continuous Improvement: We recognize that improvement is a continuous process, and we strive to be at the forefront of changes in our field.
EHS works to protect the health and safety of the faculty, staff and students at UT Austin in compliance with local, state, and federal regulations.
EHS works closely with other campus colleges and departments such as Facilities Services, the University of Texas Police Department, Fire Prevention Services, Emergency Preparedness, Project Management and Construction Services, and the Colleges of Natural Sciences and Engineering.

EHS customers include faculty, staff and students as well as campus visitors and volunteers.

EHS serves as a liaison with regulatory and compliance agencies such as the United States Environmental Protection Agency, Drug Enforcement Administration, Department of Transportation, City of Austin, the Texas Commission on Environmental Quality, and the Texas Department of State Health Services. EHS is charged with certain health and safety inspections and compliance for all applicable federal, state, and local EHS regulations and other requirements intended to protect safety, health, and the environment.
### 2015 HIGHLIGHTS

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<tr>
<th>Count</th>
<th>Description</th>
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<tbody>
<tr>
<td>32</td>
<td>Approved discharges to stormwater</td>
</tr>
<tr>
<td>7</td>
<td>New training modules</td>
</tr>
<tr>
<td>MTC (Material Transfer Center)</td>
<td>Completion and move-in</td>
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<td>1,961</td>
<td>Lab Evaluations</td>
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<tr>
<td>0</td>
<td>Potential rabies exposures on campus</td>
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<tr>
<td>9</td>
<td>New Laser Principal Investigators added</td>
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<tr>
<td>3,389</td>
<td>People took OH 101 Hazard Communication training</td>
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<tr>
<td>1</td>
<td>New Occupational Safety Technician position filled</td>
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PROGRAM AREAS

Environmental Programs
Hazardous Waste Disposal
Storm and Wastewater
Pollution and Spill Prevention

Campus and Occupational Safety
Asbestos
Fall Protection
Hearing Protection
Indoor Air Quality
Lift Safety
Machine Shop Safety
Respiratory Protection

Biological and Laboratory Safety
Chemical Safety
Biosafety
Lab Evaluations
Hazardous Materials Shipping

Radiation and Laser Safety
Radioactive Material, X-ray, and Laser Permitting and Registration Licenses
Lab Evaluations

Animal Make Safe
Wildlife Incidents
Animals on Campus

On-Call Response
On-call Program
24/7 response

Food and Drinking Water Safety
Food Safety Inspections
Food Distribution Approval
Drinking Water Testing

Project Planning and Design Review
New and Existing Construction Review
Design and Construction Standards

Training and Outreach
Training Management
Campus Outreach

SUPPORT SERVICES
ENVIRONMENTAL PROGRAMS

SUMMARY

The Environmental Programs area is tasked with ensuring compliance with City, State, and Federal permits and regulations related to water quality (stormwater and sanitary sewer), water recycling, flood control and erosion control. This program is also responsible for the proper disposal of chemical and biological waste for the university.

ACCOMPLISHMENTS

• Environmental Programs received awards for both Main Campus and JJ Pickle Research campus from the City of Austin for Excellence in Pretreatment for Protecting Austin’s Wastewater Treatment & Collection Systems

• Successful Waller Creek Cleanups, fall and summer

• Submitted and received wastewater permit from TCEQ for McDonald Observatory

• Successful environmental closures or corrective actions for Disch-Falk Field, Dell Medical School, Rowling Hall
FUTURE

- Continue to update the on-call procedures
- Update Waste Management training
- Update the university’s policies/procedures and training for the management of pretreatment devices
- Convert entirely to the EMS software for waste management, eventually using the web-based side for clients
CAMPUS AND OCCUPATIONAL SAFETY

SUMMARY

Campus and Occupational Safety focuses on the safety of UT Austin employees, students and visitors. The Campus and Occupational Safety program area includes the following initiatives: Asbestos and Lead, Indoor Air Quality and Mold, and Occupational Safety Programs such as Hearing Protection, Respiratory Protection, Lift Safety and Shop Safety.

ACCOMPLISHMENTS

• Respiratory Protection Training

• Roof Safety Training and Risk Tool

• Machine Shop assessments

• Mold Remediation projects in 12 campus buildings
FUTURE

• Lockout Tagout Program

• Fall Protection Program
BIOLOGICAL AND LABORATORY SAFETY

SUMMARY

The lab safety group conducts laboratory evaluations of research and teaching laboratories at UT Austin and satellite facilities. The purpose of the evaluation program is to ensure compliance with university policy and any applicable regulations. All labs are evaluated at least annually; higher risk labs are evaluated on a semi-annual basis. Lab Safety provides training and guidance on a number of laboratory topics including bloodborne pathogens, hazardous materials shipping, chemical safety, biological safety, select agents and toxins, and controlled substances. Lab safety also investigates laboratory incidents including fire, spills, laboratory injuries, and any chemical or biological exposure.
ACCOMPLISHMENTS

- Development of a Lab Attire Policy
- Controlled Substance Audit
- College Laboratory Safety Coordinators Assigned

FUTURE

- Create Autoclave, Controlled Substances and Pressure Vessel Reactor training modules
- Update the Hazard Communication Plan
- Finalize Controlled Substances Policy
- Assess in-house pressure vessel reactors on campus
- Expand awareness of hazardous materials shipping requirements
The Radiation and Laser Safety group provides safety and compliance support and training for the use of radioactive materials, X-ray machines, and lasers. Training provided includes Basic Radiological Health, Laser Safety, and refresher training. EHS holds the registration certificate for university lasers and radioactive materials and issues permits to users.
ACCOMPLISHMENTS

• Inspection of Radioactive Material (RAM) license by Texas Department of State Health Services with no violations or items of concern

• Supported McDonald Observatory by completing a detailed safety analysis for the NASA funded McDonald Laser Ranging Station (MLRS)

• A new low-cost, flashing, simple-to-install, laser warning sign prototype was completed, and the first sign was installed in RLM

• A cooperative relationship was created with McCombs School of Business to redesign the laser database to highest functionality as a senior student project

FUTURE

• Continue promotion of new laser warning signs for current and new labs

• Continue to build the relationship with the McCombs School of Business to further develop the laser database
SUPPORT SERVICES

In addition to the main program areas, Environmental Health and Safety provides a number of support services to the campus community.

ANIMAL MAKE SAFE

The Animal Make Safe program (AMS) works to minimize negative human/wildlife interactions by safely and humanely responding to live animal incidents on campus. Techniques include capture and removal, live trapping, and exclusion. AMS also reviews and approves requests to include animals as part of special events.

ON-CALL RESPONSE

Environmental Programs handles the coordination and training for the department’s on-call program to ensure incident response 24 hours a day/7 days a week. Incidents that EHS responds to include hazardous material spills, fires, odors, animals, and lab incidents.

FOOD AND DRINKING WATER SAFETY

EHS staff is responsible for conducting food safety inspections of the permitted food vendors and kitchen facilities on campus, approving distribution of food on campus by staff, students, or vendors, and ensuring quality drinking water.

PROJECT PLANNING AND DESIGN REVIEW

The primary function of project planning and design review is to ensure that facilities are designed and constructed to meet established safety and environmental regulations and best practices.

TRAINING AND OUTREACH

Whether working in a lab or a concession stand, EHS offers a variety of training opportunities to the campus community. Classes include Hazard Communication, Bloodborne Pathogens, Dry Ice Shipping, and Respiratory Protection.
ANIMAL MAKE SAFE

ACCOMPLISHMENTS

• Processed 31 requests to bring live animals on campus

• No potential rabies exposure incidents on campus

• Hired and trained two new student assistants

FUTURE

• Review Animals on Campus policies and procedures

• Review Student Assistant program

• Promote program through social media
ON-CALL RESPONSE

Incident Type

- Chemical spill: 8
- Blood spill: 7
- Animal: 6
- Chemical exposure: 3
- Odor: 3
- Other: 3
- Flood: 2
- Gas leak: 2
- Stormwater related: 2
- Student injury: 2
- Indoor air quality: 1
- Oil spill: 1
- Worker injury: 1

Number of Incidents

ACCOMPLISHMENTS

- EHS on-call staff responded to 41 incidents in 2015

FUTURE

- Continue to improve the on-call program through procedure review, communication, and training
FOOD AND DRINKING WATER SAFETY

ACCOMPLISHMENTS

• Performed 172 semi-annual food establishment inspections

• New permitted food establishment checklist based on updated Texas Food Establishment Rules

• Reviewed campus-wide policy for food trucks

• Plan review and inspections for renovation of all concession stands

FUTURE

• Permitting of two new kitchens opening in the Dell Medical School in 2016

• Implementation of food truck policy

• Update online Food Distribution Request database
PROJECT PLANNING AND DESIGN REVIEW

ACCOMPLISHMENTS

• Project Review for OFPC projects including Speedway Mall, Welch Phase II Renovation, Whitaker Fields, Blanton Repository, and PMCS renovations

• Oversaw successful construction completion and move-in of the Material Transfer Center (MTC)

• MTC expansion design and development

FUTURE

• Continue development and revisions of Design and Construction standards
TRAINING AND OUTREACH

ACCOMPLISHMENTS

• Created 7 new training modules: General Respiratory Protection, Dust Mask, Full Face, Half Face, N95, PAPR, Cryogen Safety

• Participated in the ASMP project to evaluate UTLearn

• Outreach activities and events included Waller Creek Cleanups, Safety Fair, Earth Day, EHS Spotlight, Lavatory Safety, Alcalde, Daily Texan and numerous EHS documents, posters, and signs

FUTURE

• Migrate EHS training modules into UTLearn, the new employee training management system

• Create social media accounts for EHS to promote activities and accomplishments

• Hire student worker to assist with Training and Outreach

7,351 people took EHS training in 2015