Welcome from the University of Kansas Medical Center Environment, Health & Safety Office

Who we are.
Who we are not.
What we do.
Why we do it.
Emerging Issues.
Why you should care.
What we will ask of you.
Who we are.

Bottom row (L to R): **Ryan Lickteig** (Director of EHS), **Rick Sundell** (Assistant Radiation Safety Officer), **Emily Mattwaoshshe** (Hazardous Materials Coordinator)

Top Row (L to R): **Danielle Chavez** (Industrial Hygienist), **Andrea Shipp** (Radiation Safety Officer), **Sonny Cherrito** (Biological Safety Officer), **Nathan Bushue** (Biohazard Technician)

Not pictured: **Sabrina Leyrson** (Compliance Business Assistant)
About the EHS office

- We are part of the Compliance Department.
- We report to the Vice Chancellor of Administration.
- We provide safety expertise in the areas of:
  - Biological Safety
  - Chemical Safety
  - Physical Safety
  - Radiation Safety
- Our ultimate goal is to create a “Culture of Safety” throughout the campus.
Who we are not.

- We are not the Police.
- We are not the Occupational Health Clinic.
- We are not Student Health Services
- We are not Risk Management.
- We are not Facilities Maintenance.
- We are not the Hospital’s Environment of Care.
- We are not the Animal Welfare Office
- We are not the Human Research Protection Program

However, we do work quite closely with these groups and many others to provide information and services to the University in regards to Safety and Compliance.
What we do.

- We pick up and ship out chemical, biological and radioactive waste.
- We provide chemical, biological and radioactive safety training.
- We serve as the point of contact for regulatory chemical, biological and radiation inspections.
- We work with the Occupational Health Clinic to run the University’s Medical Surveillance Program.
- We administer the Radiation Safety and Institutional Research Safety Committees.
- We sit on the Human Subjects Committee, Emergency Planning committee, and the Institutional Animal Care and Use Committee meetings.
- We clean up hazardous spills and respond to other types of incidents.
- We conduct risk assessments.
- We perform many other duties related to the health and safety of workers and visitors to KUMC.
Why we do it.

1. We want to ensure the campus continues to be a safe place to work. We want to foster a “Culture of Safety” at KUMC so that everyone thinks of safety as their number one priority.

2. It is the law. The following slide lists some of the outside organizations that KUMC is obligated to comply with that EHS helps with.
Agencies that EHS works with regarding compliance

Environmental Protection Agency (EPA)
Kansas Department of Health & Environment (KDHE)
Nuclear Regulatory Commission (NRC)
Central Interstate Low Level Radioactive Waste Commission
Occupational Health & Safety Administration (OSHA)
National Institute for Occupational Safety and Health (NIOSH)
Department of Transportation (DOT)
Center for Disease Control (CDC)
National Institute of Health (NIH)
Office of Biological Activity (OBA)
Department of Homeland Security (DHS)
Unified Government of Wyandotte County
Department of Defense (DOD)
Alcohol Beverage Control (ABC)
Federal Bureau of Investigations (FBI)
Kansas Department of Labor (KDOL)
Drug Enforcement Agency (DEA)
Kansas State Fire Marshal
Association for Assessment and Accreditation of Laboratory Animal Care (AAALAC)
The Joint Commission
Kansas City Kansas Fire Department
Emerging issues

Update to the Hazard Communication Standard - Global Harmonization System of Classification and Labeling of Chemicals

- Training by December 1, 2013
- Goes into effect June 1, 2015
- Material Safety Data Sheets (MSDS) are now just called Safety Data Sheets (SDS)
- Pictograms
- Signal Words
- Hazard Statements
- Precautionary Statements
- https://www2.kumc.edu/chalk3/training/safety_kumc/hazard/index.html

Wipe Rule

- Regulations are going into place which would allow some solvent contaminated wipes to go into certain landfills or be sent to an approved laundry facility.
- Does not include trichloroethylene contaminated wipes.
- Does not include wipes that exhibit toxic, corrosive or reactive characteristics.
- Red cans are distributed throughout facilities to collect solvent contaminated wipes to be laundered. Please note that you can accumulate in a can for 6 months before it must be emptied, so the can must be labeled with an accumulation start date.
Emerging issues

EPA/KDHE Inspection

- This will likely occur sometime in the next 6 months.
- It will be a surprise inspection.
- Issues we have had in the past.
  - Make sure waste containers are closed unless you are actively putting waste into them.
  - Make sure that your hazardous chemical waste is labeled as “Hazardous Waste.”
  - Do not generate more than 1 container of “Hazardous Waste” per waste stream.
  - Make sure used oil is labeled as “Used Oil”
  - Make sure fluorescent bulbs are being properly disposed of.
- UMKC was recently inspected by the EPA.
  - Emphasis on Product vs. Waste
- The hospital was recently inspected by KDHE.
  - Emphasis on training requirements in position descriptions.
  - Emphasis on accurate dates/times on labels/records.
Why you should care

- The most important concern is obviously your safety. KUMC has many research laboratories. Most of these labs have hazards in them. On a daily basis we see reports of serious safety incidents in workplaces similar to ours. Some examples of which will be shown in the next two slides.

- You, your lab or the university could be banned from conducting research involving certain hazards. You or the university could also be fined for mishandling hazards. For example, KUMC was fined by the EPA in 1994 for $15,800 and in 2006 for $306,394.
Incidents at KUMC include:

- Several fire related issues on campus. If you hear the fire alarm in your building - evacuate.
- Several instances of broken water lines which have resulted in ruined equipment and chemicals.
- Several accidental needle sticks and research animal bites.
- Hazardous materials spilled in labs, hallways and even outside areas on campus.
- Quite a few slips, trips and falls which OSHA reports as being continuously in the top 10 of recordable injuries.
Incidents at other institutions include:

- Research dies at UCLA
- P-32 Spill at MU
- KU graduate student ingests Sodium azide
- Student dies in machine shop at Yale
- Meningitis Research Associate dies from a possible lab exposure.
- Cobalt-60 Theft
- Nitric Acid spill at K-State
- 4 injured at MU lab explosion
- Hospital worker infects patients with Hepatitis C
- University professor sentenced for illegal disposal of hazardous waste
What we will ask of you

- Make yourself aware of hazards related to your work activities and **wear the proper personnel protective equipment**.
- Let us know of any situation in which a person was or could have been hurt.
- Take the required training and provide us feedback on the training. We really want it to be as informative and useful as possible.
- It is very important to have emergency information posted for areas where hazardous materials are stored. This helps the police, us and you.
- Keep your work area free of obstacles. This will help immensely if an accident occurs in your location.
- Feel free to let us know about any improvements we could make – to our website, forms, interactions with you, etc. We can’t put every rule and procedure in the training sessions, but we have safety manuals and other information on our [website](mailto:ehs@kumc.edu). If you would prefer you can e-mail (ehs@kumc.edu) us questions or call us (913-588-1081)!