



Environmental Health & Safety  
Michael Hooks Director

Chemical Purchasing & Laboratory Close Out



# Environmental Health & Safety

Programs & Services

- Environmental Services
- Biological Safety
- Occupational Safety & Training
- Industrial Hygiene (Occupational Health)
- Laboratory Safety (Research & Teaching)
- Chemical Safety
- Radiation Safety (Nuclear Science Department)



# Environmental Health & Safety

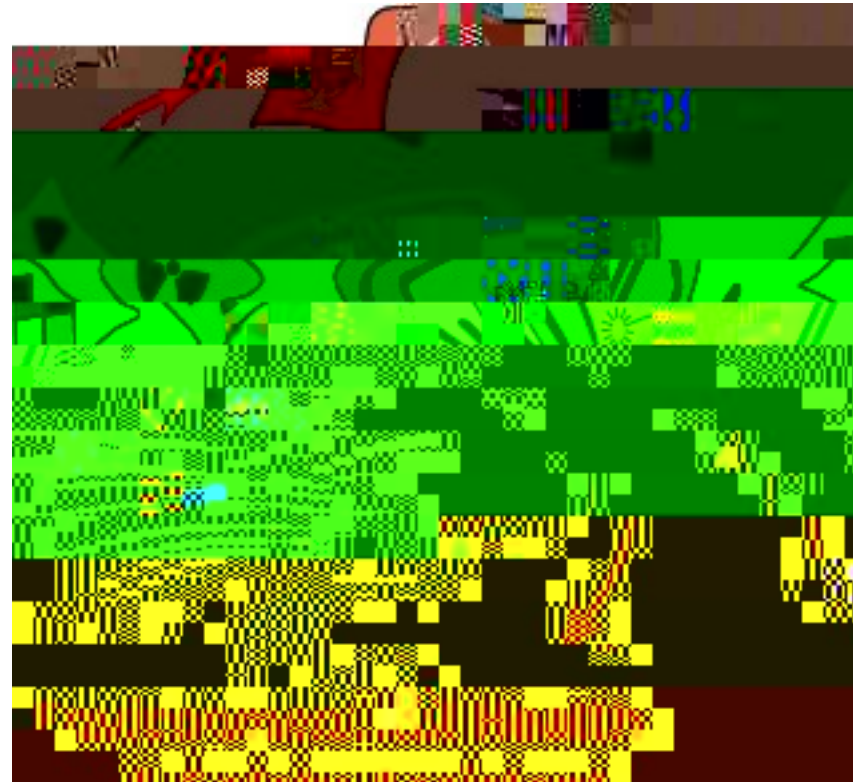
## Chemical Safety

- Chemical Safety
  - Manage Hazardous Materials on Campus.
  - Chemical Inventory that tracks all chemicals being used in campus labs.
    - EHS Assistant
  - Begins with the purchase of a chemical.
  - That container is tracked “Cradle to Grave”.
  - This information is used to ensure:
    - proper training of lab personnel
    - safe teaching and research
    - waste minimization.



# Environmental Health & Safety

Chemical Purchasing





# Environmental Health & Safety

## Chemical Purchasing





# Environmental Health & Safety

## Chemical Purchasing

- Currently the database contains ~80,000 containers.
- LSU has ~800 laboratories.
- Unused chemicals become waste.
- LSU disposes of ~150,000 pounds of hazardous waste.
- Cost of \$190,000.



# Environmental Health & Safety

## Chemical Purchasing

- We need your help!
- Current purchasing system doesn't populate the database.
- We now relay on the lab personnel to load in the chemicals.
- Maintaining an accurate inventory in this way is challenging.
- Regulatory Burden
- Federal and state rules require us to accurately report storage of chemicals on an annual basis.



# Environmental Health & Safety





# Environmental Health & Safety

Chemical Purchasing and Laboratory Closeout Procedures

- What can you do?
  - Remind faculty to load chemicals into the database.
  - EHS can assist if you already have an inventory.
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