



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)*

- **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.

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Chemical Purchasing



**Environmental Health
& Safety Assistant**





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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.



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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.



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Laboratory Closeout Procedures

- **When a faculty members closes a laboratory, the unused chemical must be inventoried and recycled or properly disposed as a regulated hazardous waste.**
- **Close out procedures are listed on EHS website and on the ORED website.**
- **Without proper closeout unknown material can be left behind and can be very expensive to properly dispose.**



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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.**
 - **Follow close out procedures to insure proper handling of unused chemicals.**