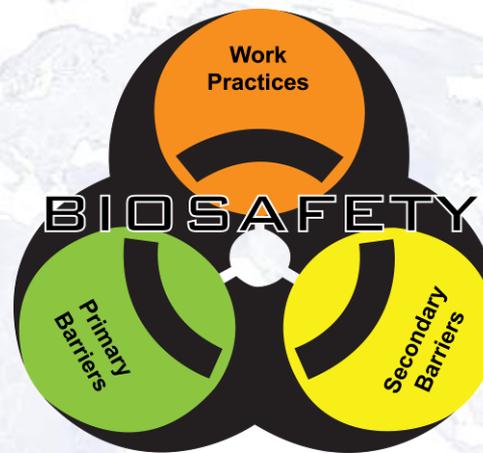
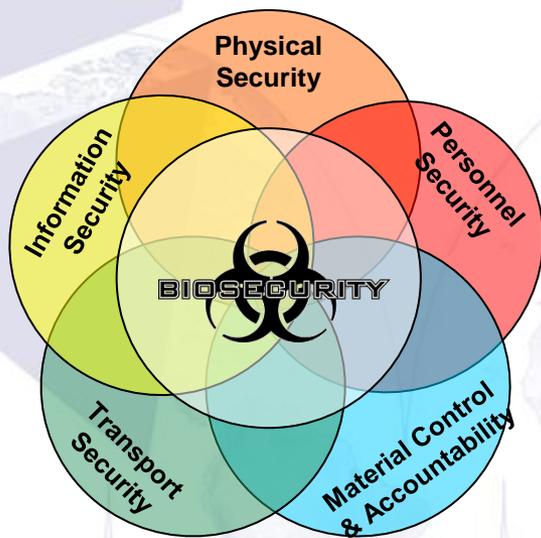




Good Laboratory Practices (GLP)

**BEP Advanced Biorisk Officers Training
Pilot Certificate Program in the Philippines**



**International Biological Threat Reduction Program
Global Security Programs
Sandia National Laboratories
Albuquerque, NM USA**

SAND No. 2011-4514P

Sandia National Laboratories is a multi-program laboratory managed and operated by Sandia Corporation, a wholly owned subsidiary of Lockheed Martin Corporation, for the U.S. Department of Energy's National Nuclear Security Administration under contract DE-AC04-94AL85000

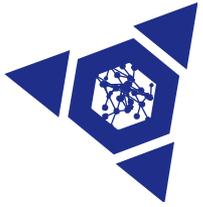




Learning Objectives

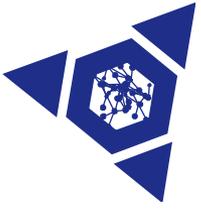
- **By the end of the course, participants should be able to meet the following objectives:**
 - Be able to identify Good Laboratory Practices, and explain why they are “good”.
 - Be able to explain the importance of following proper procedure. (ex. Regular Handwashing versus Proper Handwashing)





What are good laboratory practices?

- **In your group, list several good laboratory practices**
- Please write your answers on 'post it' note and place the on your flip chart.
- Report to the class



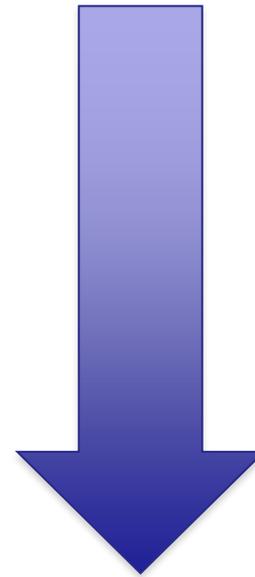
- **Looking at the master GLP list we developed, answer the following questions on the assigned practices**
 - Why are they good practices?
 - Why do them?
 - Who/what are these practices protecting, and from what?
 - How can you ensure people follow them?



Processes of Control

- **Good laboratory practices can be enforced through**

- ❖ **Elimination or Substitution**
- ❖ Engineering Controls
- ❖ Administrative Controls
- ❖ Practices and Procedures
- ❖ Personal Protective Equipment



Control methods at the top of the list are in general more effective and protective than those at the bottom.



Biosafety Cabinet !?!





What is wrong???





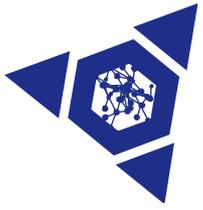
What is wrong???





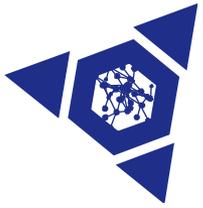
What is wrong???





What is wrong???





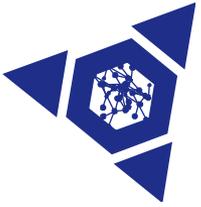
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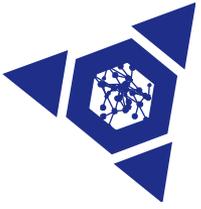
What is wrong???





What is wrong???





What is wrong???





What is wrong???





Individual Reflection

- **Does your laboratory practice GLP?**



Summary

- **What are some of the key considerations of good laboratory practices?**
 - Why are they good?
 - How can we ensure they are being implemented as intended?
- **What will you do when you return to your laboratory?**