## UNL's Post-Approval Monitoring Program:

## Partnering with Researchers to Manage Biosafety Research Compliance

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| Background |
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| UNL EHS is service-based department that is staffed by ${ }^{2} 24$ employes. Our department is charged with compliance oversight for multiple program areas including: hazardous waste, chemical safety, biological safety, radiation safety, occupational safety, air quality and watershed management. It is our mission to protect UNL's human resources and preserve the environment. To that end, we are dedicated to creating a partnership with the campus community and providing services to assist employees in integrating safety and compliance into their workplace culture and behavior. |
| Laboratory Safety Surveys |



A major aspect of research compliance is laboratory safety and our office conducts a safety survey of every laboratory space annually.

Our checklist contains 75 items in 10 categories. All items on the checklist are based on regulatory guidance from multiple sources (OSHA, EPA, NRC, NIH, BMBL, etc.)

At the end of 2017, we determined that growth in biological research in combination with an overhaul of the EHS Laboratory Safety program including a robust auditor training program demanded a shift in the way we inspected biological research labs. Prior to 2018 we had a separate checklist for biosafetyrelated issues in addition to the standard laboratory safety biosafety checklist and added 2 new sections to the lab safety checklist for these biosafety-related questions. The items that we selected to add are easily assessable (yes/no questions) and did not require in-depth knowledge of the on-going research to evaluate and answer.
Selected Checklist Items




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## The Problem

Discontinuing use of the biosafety-specific checklist created gap in compliance information obtained during laboratory safety surveys.

Recent increase in NIH non-compliance incidents

- Biosafety team no longer had annual in-person contact with Pls.


## Gap Analysis

Need a means to gather information from researchers with IBC protocols related to discontinued checklist items Biosafety Manual review Training Needs
O Need to determine contributing factors to recent spike in NiH
Non-compliance incidents.
Re-Training for Pls
Eliminate barriers to compliance

- Lab auditors do not have sufficient experience or access to the
information necessary to assess and evaluate complex
biosafety-related issues
+ Auditors receive robust training in standard lab safety
+ Auditors are trained in general Biosafety and Biosecurity
concepts
- Auditors lack the requisite biosafety training and research
experience
- Auditors do not have access to IBC approved research protocols



## The Solution

Establish new program dubbed Post-Approval Monitoring (PAM) for all Pls who have active IBC protocols (~180) Goals:

Further build relationships with Pls Offer outreach about training and EHS resources Assist with IBC compliance


PAM Visit Summary
 nd future work pertinent to their IBC protocol.
Biosafety Compliance Items
Training
Last Safety Survey Issues Biosafety Manual Exposures/Injuries
Discuss Current and future projects Inform Pls about new policies and procedures Customer Satisfaction Feedback from Pls

PAM Program Details


- Visits are divided between 3 Program Statistics biosafety team members. Will visit all active Pls at least once by the end of 2020 .
Reports are kept as internal records. - Follow up with Pls for resource


## Summary

 Very positive feedback from faculty; Increased our presence on campus and strengthour relationships; our relationship Emphasizes the importance
of providing resources to Pls and helping maintain compliance.


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