Agenda

• 2017 Annual Inspection Results and 2018 Priorities
• InfoEd Updates
• Refrigerator and Freezer Monitoring Program
• Lessons Learned Program
• New EHS Customer Satisfaction Survey
2017 Annual Inspection Results & 2018 Priorities

Matthew Brinton
EHS Assistant Director
Unified Laboratory Inspection Program

Total PIs | Percent
--- | ---
281 | 100.0%
203 | 73.0%
52 | 18.5%

EHS (Chemical) | 24 | 27 | 25 | 19 | 24 | 21 | 26 | 21 | 20 | 25 | 28 | 21
IBC (Biosafety) | 21 | 22 | 15 | 14 | 12 | 16 | 20 | 17 | 15 | 17 | 19 | 17
RSC (Radiation) | 7 | 5 | 2 | 4 | 3 | 3 | 7 | 4 | 5 | 8 | 1 | 3
Total # Floor | 10 | 11 | 9 | 10 | 9 | 13 | 10 | 11 | 9 | 13 | 10 | 11

Floors Inspected | 0 | 2 | 4 | 6 | 8 | 10 | 12 | 14 | 0 | 5 | 10 | 15 | 20 | 25 | 30 | 35

Jan | Feb | March | April | May | June | July | Aug | Sept | Oct | Nov | Dec

Environmental Health and Safety
TEL 646-962-7233  WEB weill.cornell.edu/ehs  EMAIL ehs@med.cornell.edu
Top Annual Laboratory Inspection Findings from 2017

- Total Inspections: 329
- Expired Safety Trainings: 59
- Food or Drink in Laboratory: 131
- Lab Coat/PPE not Worn: 76
- Waste not in Secondary Containment: 43
- High Hazard Operating Procedures Needed: 25
- Chemical Labeling/Storage Issues: 107
- Incomplete Wipe Tests: 133
- Vacuum Lines Unprotected: 20
- Unlabeled Tissue Cultures/Biohazardous Materials: 30
- Exposed Sharps/Overfilling Sharps Containers: 95
- Radiation Safety: 68

Percentage:
- All Safety Programs: 100.0%
- Chemical Safety: 73.0%
- Biological Safety: 18.5%
Annual Chemical Inventory Reporting

Chemical inventory requirements are governed by:

• NYC Department of Environmental Protection
• NYC Fire Department
• US EPA Community-Right-to-Know
• US Department of Homeland Security Chemical Facility Anti-Terrorism

**Goal:** emergency preparedness, response and management.

**Requirement:** annual comprehensive inventory submitted to NYCDEP followed by annual inspection of all buildings.

All chemical owners storing and/or using hazardous chemicals must:

1) Update inventory in ChemTracker Chemical Inventory System
2) Submit *Annual Chemical Inventory Submission form* to EHS
3) Deadline was January 12, 2018 **40% submitted to-date**

For assistance, contact EHS at 646-962-7233 or chemtracker@med.cornell.edu.
InfoEd Updates – IBC / RSC Coming Soon

Environmental Health and Safety administers:
- Institutional Biosafety Committee (IBC)
- Radiation Safety Committee (RSC)

InfoEd EHS Module
Online unified laboratory registration process
- EHS Research Safety Checklist
- IBC Laboratory Registration
- RSC Non-Human Use Radioactive Materials Application

Integration with other Research Office-related processes:
- Human Subjects applications
- MTA; IRB; Grants & Contracts

New IBC/RSC websites coming in 2018
- Guidance for Human Gene Transfer and Laboratory Registration
- Radiation dosimetry calculations and request forms
Position Activities

• supports the administration of EHS regulatory and research compliance
  • Institutional Biosafety Committees (IBC) and
  • Radiation Safety Committees (RSC)
• assists Biological & Radiation Safety Officers with processing of IBC & RSC submissions
• serves as the liaison between the IBC/RSC and other administrative offices.
• trains committee members, reviewing protocol submissions from the faculty and assigning work flows to safety advisors
• Full list of activities available on https://careers.weill.cornell.edu
Refrigerator and Freezer Monitoring Program
Refrigerator & Freezer Monitoring Program
~ 1300 York Avenue Pilot ~

Cloud-based monitoring system (no ITS connections required)

Real-time Freezer and Refrigerator Status Information

Custom Alarms and Notifications

Computer and Mobile Access
Compliant with FDA Title 21 Part 11 guidelines for electronic reporting.

Reports provide a list of alarm states during the month.
Monitoring Pricing

Initial Offer
- Each PI in 1300 York will receive the **first probe free** of charge.
- The lab would only be responsible for the $84 annual monitoring fee.

Purchase Option
- Set-up Cost: Purchase the probe for $375 (includes installation).
- Annual Fee: Pay an $84 annual monitoring fee.

Lease Option
- Set-up Cost: One-time $75 installation fee per unit.
- Annual Fee: Pay $204 per unit (includes probe and annual monitoring fee).

Sign-up for Program
- Scan QR Code
- Visit [EHS website](mailto:ehs@med.cornell.edu)
- EHS will coordinate with Lab Contact to finalize and install.
Lessons Learned Program

Weill Cornell Medicine
Lessons Learned

Available Lessons

- Autoclave Explosion
- Needlestick Injury in the Laboratory
- Corrosion in Chemical Storage
- Gas Exposure in the Laboratory
- Evacuation Procedures
- Microwave Fire Hazard
- Unsafe Use of Ladders
- Radiation Contamination Risks
- Laboratory Oil Bath Fire
- Mold Contamination in Cold Rooms
- Air Transport of Dangerous Goods
- Returned Dry Ice Shipment
- TCA Splash Due to Improper Storage
- After-Hours Laboratory Phenol Splash
- Exposure from Improper Phenol Storage
Lessons Learned

More videos to come in the EHS Website
New EHS Customer Satisfaction Survey

James Crandall
EHS Director
EHS Customer Satisfaction Surveys

Single survey to capture community feedback for EHS Services

- Trainings and Meetings
- Safety Registrations
- Safety Inspections
- Incident / Emergency Response
- EHS Assistance
- Other Services

Projected Start Date: **February 2018**
Thank you for Attending

Questions?