UNIVERSITY LABORATORY SAFETY IN 2015: WAS IT THE LAB STANDARD OR WHAT?

Gail Hall
Boston College
August 16, 2015
On this day in history the first McDonald’s was opened in Russia, in the city of Moscow. This restaurant had served at least 30,000 people in its first day.
• BC KEEPS ROLLING ALONG - OVERMATCHED YALE IS FIFTH STRAIGHT VICTIM FOR EAGLES

• UCONN RIDES ITS WAVE THROUGH AMHERST

• NUCLEAR PLANT SECRETS?

• AIDS RESEARCH
BELATED HAPPY BIRTHDAY, LAB STANDARD!
HAS THE LAB STANDARD MADE A DIFFERENCE?
Elements of LS

- General Principles
- Responsibilities
- The Laboratory Facility
- Components of the Chemical Hygiene Plan
- General Procedures for Working With Chemicals
HAS THE LAB STANDARD MADE LABS SAFER?
WHAT ELSE DO WE NEED TO DO?
EDUCATION
RISK IS INEVITABLE
INJURY IS OPTIONAL

Boston College Facilities Services Safety Stand-Down 2015
“ACCEPTABLE” RISK
“ACCEPTABLE” RISK
UNACCEPTABLE RISK
IS IT WORTH THE RISK?

"You tell his mom you only looked down for a second."
IS IT WORTH THE RISK?
PERSONAL FACTORS

Errors
Rushing
Frustration/stress
Fatigue
Distractions
PERSONAL FACTORS

CHOICE

PROBABILITY
SITUATIONAL AWARENESS

Your Environment
Your Team
Your Equipment
Yourself
IT TAKES A TEAM!

• AWARENESS
• LEARNING
• CARING
• COMMUNICATING
• FACILITIES SERVICES & EHS
REMEMBER!

Work safely today.
Someone expects you home tonight.
SITUATIONAL AWARENESS

Your Environment
Your Team
Your Equipment
Yourself
SUPERVISOR TRAINING

• SAFETY AS PART OF JOB

• COMMUNICATION – RECEIVING INFORMATION

• TEAM BUILDING

• GIVING FEEDBACK
RESOURCES

- E. SCOTT GELLER
  - ACTIVELY CARING FOR PEOPLE
  - “[I]t is often more convenient, more comfortable, more expedient, and more common to take risks than to work safely.”
  - PSYCHOLOGY OF SAFETY

- BEHAVIOR BASED SAFETY

- SYSTEMS THINKING
  - “Integrating Safety into Operations” (de la Rosa-Ducut)

- TERRY MATHIS – STEPS TO SAFETY CULTURE EXCELLENCE

- TODD CONKLIN – PRE-ACCIDENT INVESTIGATIONS