



Health and Safety Department

ESH&Q Division

Health and Safety Department

- John Kelly, Acting Department Head
- Key Areas of Responsibility
 - Electrical Safety
 - Industrial Safety
 - Industrial Hygiene
 - Emergency Management
- Provide lab-wide support with a focus on...
 - S&H Inspections
 - Work-Control Document Review
 - Accident Investigation Assistance
 - Subcontracted activities
 - Safety Warden Support



Electrical Safety

- Todd Kujawa – Electrical Safety Engineer
- Chairs the Electrical Safety Committee which is the AHJ for JLab
- Responsible for the electrical safety program requirements in 10CFR851 and NFPA 70E
 - Training (Basic Electrical Safety, Electrical/Electronics Worker, LOTO)
 - Inspections of equipment and work



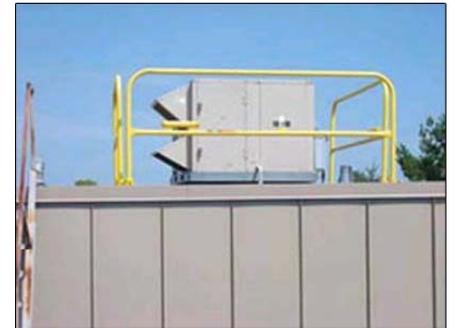
Electrical Safety, cont'd.

- “Current” Events
 - Electrical Safety PPE
 - October 1 glove change out
 - Finalizing annual OSHA LOTO assessment
 - ESH&Q electrical chapter revisions (7 total)
 - Training revisions to follow
 - Review of the 2009 edition of NFPA 70E



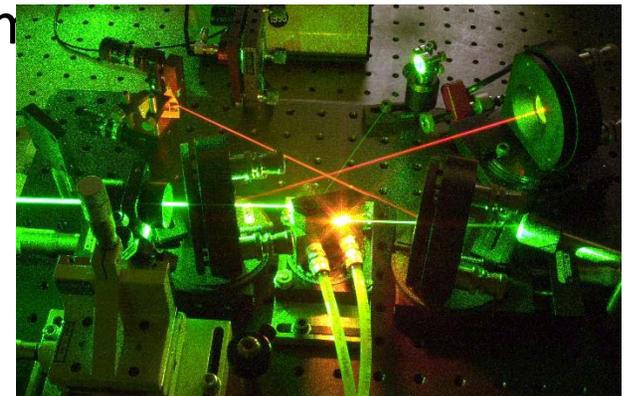
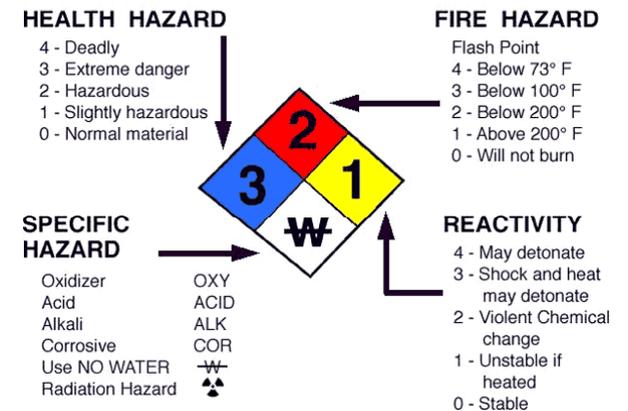
Industrial Safety

- Electrical Tool Safety
- Fall Protection
 - Ladders, Scaffolds
 - Personal Fall Protection Equipment
 - Guardrails, Barriers, Other Engineered Fall Protection systems
- Confined Space Entry
- Machinery & Equipment Safety
- Material-Handling Equipment Safety
- What's hot?
 - Reducing manual materials injuries



Industrial Hygiene

- Chemical Safety/Hygiene
 - Hazard Communications
 - Review proposed jobs/materials
 - Exposure assessments & control for chemicals/particulates
- Non-ionizing radiation
 - Laser Safety
 - RF
- Hearing Conservation
- Respiratory Protection
 - Fume Hoods & Other Ventilation Systems
 - Indoor Air Quality



Industrial Hygiene, cont'd.

- Respiratory Protection, cont'd.
 - Equipment maintenance and calibration
 - Personal Oxygen Monitors
 - Gas measurements
 - Routine PPE
 - Training, Fit testing, Maintenance
 - Non-Routine
 - 5 minute escape packs and SCBA
- Environmental Protection
 - Spill Prevention, Containment, & Response



Industrial Hygiene, cont'd.

- Hazardous Waste Management

- Maintaining JLab at a Small Quantity



- or Status

- What's hot?

- Nanomaterials science – an emerging applied science whose theme is the control of matter on an atomic and molecular scale

- Nanomaterials Safety – also emerging



- JLab recently got high marks during the HSS review

- We're comparing ourselves to BNL Center for Functional Nanomaterials operating guidelines



- What's known for sure about nano-science safety?

- More regulation from DOE is around the corner

Industrial Hygiene, cont'd.

Staff:

Dick Owen: IH Program Lead

Jennifer Williams: Chemical Hygiene, Hazardous Waste,
Nanomaterials Safety

Brett Lewis: Hazardous Waste & IH Equipment Maintenance

Mary Boggs: MSDS / HazCom support & Emergency
Equipment Inspections



A Few EH&S Manual Chapters

- 6000 - Topical Programs, Directives, and Procedures
- 6100 - Industrial
- 6200 - Electrical Safety
- 6300 - Ionizing Radiation
- 6400 - Non-Ionizing Radiation
- 6500 - Cryogenics & ODH
- 6600 - Industrial Hygiene
- 6700 - Environmental Protection
- 6800 - Occupational Health

Emergency Management

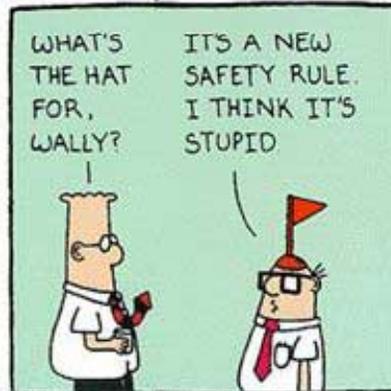
- Emergency Manager
 - John Kelly
- Emergency Management Committee
 - Develops and maintains the laboratory's emergency management program
 - Natural phenomenon hazards
 - Industrial emergencies





“Safety is a continuous struggle with human nature.”

DILBERT® by Scott Adams



6-2-95

DILBERT © United Feature Syndicate, Inc.