



# NSD All Hands Safety Meeting

Marty White

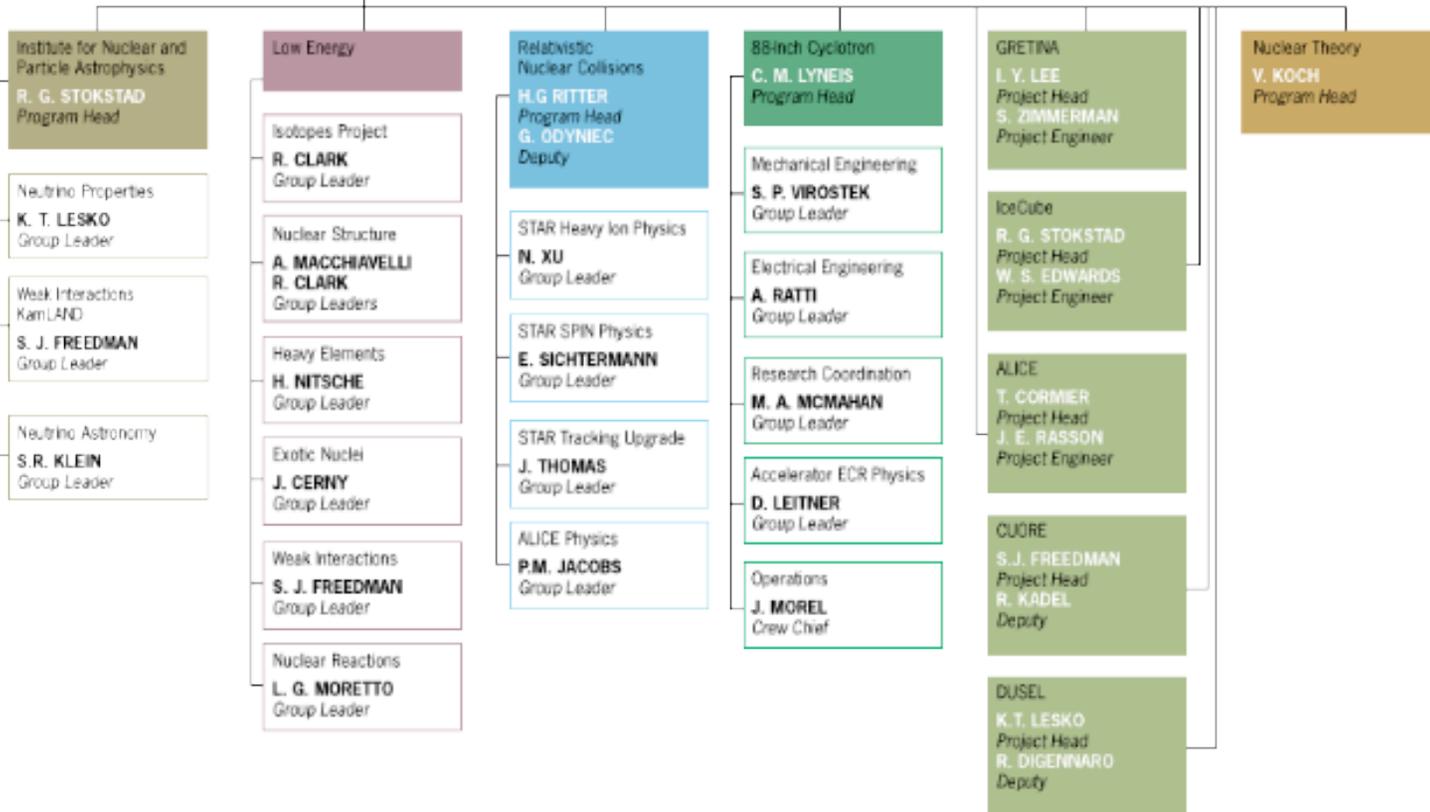
June 9, 2008

# NSD Organization Chart

**NUCLEAR SCIENCE DIVISION**  
 Division Director: **JAMES SYMONS**  
 Division Deputy Director: **PAUL FALLON**

Business Manager  
**D. ATTIA**  
 Resource Manager  
**J. B. LOFDAHL**

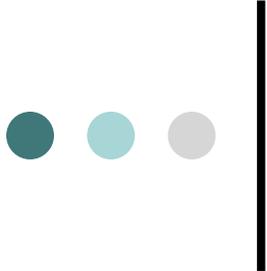
Safety Coordinator  
**M. WHITE**  
 Chair ES&H Committee  
**M. WHITE**





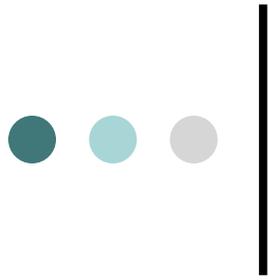
# ES&H Update

- Peer Reviews have brought improvements to ES&H Program
  - Concern about how workers know they are authorized to perform work –Job Hazard Analysis
  - Improved communication
  - ES&H responsibilities shifted to line management
  - Pub 3000 updated
- Sub-contractor safety
- M<sup>3</sup> safety message
- Changes in Ergonomics Program
- Traffic Safety



# Safety Roles & Responsibilities

- All – understand ISM
- All – know your duties and be trained
- All – know the hazards for all the places you work
- Supervisors – know where your employees work and the hazards of their jobs
- Supervisors – make sure your direct reports take the JHA annually and are trained
- Space Leads – responsible for providing a safe place to work
- Space Leads – responsible for quarterly walkthrough of areas

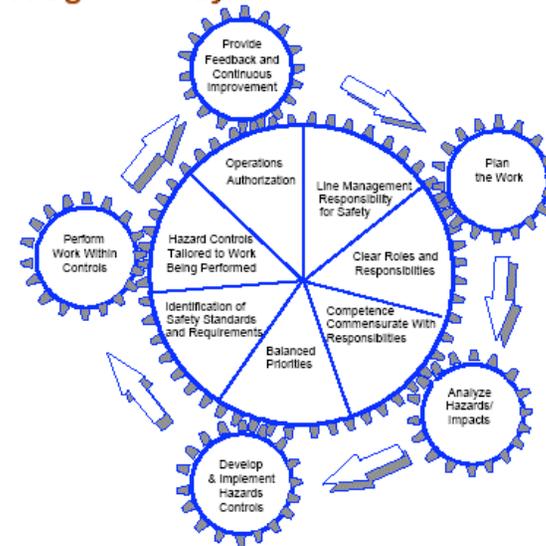


# ISM

I am responsible for safety

- What will I be doing?
- Do I know what the hazards are?
- Do I have everything I need to do the job safely: training, tools, time, and authorization?
- Am I doing the job safely?
- What can we do better?

*The Integrated Safety Management System*



# Stop Work Policy



- All Berkeley Lab employees, contractors, and participating guests are responsible for stopping work activities that are considered to be an **imminent danger** (any condition or behavior that could reasonably be expected to cause death or serious injury, or environmental harm).
- You have the authority and responsibility to:
  - Alert the affected employee(s) or contractor(s) engaged in the unsafe work and request that the work be stopped.
  - Call **x6999** to report the incident.
  - An EH&S staff will investigate. Notify the immediate supervisor and/or responsible division/department manager.
- **Note:** When in doubt about a safety condition, contact your supervisor.
- Refer to "Stopping Unsafe Work" in [PUB 3000](#) for more information.



# Area Walkthroughs

- Lab areas
  - 4 times a year
  - List of the areas and people responsible on website (not to be delegated)
  - Checklist on website
- Office areas
  - 2 times a year
  - Supervisor checks area
  - Checklist on website



# Waste Management

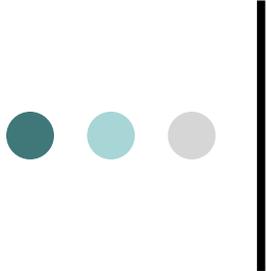


- Satellite Accumulation Areas (SAAs)
  - 9 months storage limit
  - Label completely filled out
  - Waste correctly characterized
  - Container closed
  - Secondary containment for liquids
  - Do not overfill the container
- Training for waste generators

# Job Hazard Analysis

- The lab is switching from the JHQ (Job Hazard Questionnaire) to the JHA (Job Hazard Analysis) this summer.
- This will be done to resolve some problems with the JHQ:
  - only addressed hazards that require formal training
  - provided no authorization to do work that fell below that needing formal authorization (AHD, RWA etc)
  - questions were often difficult to understand and answered incorrectly
  - didn't recognize that many groups face the same hazards





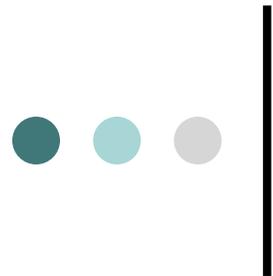
# Job Hazard Analysis in NSD

- Work Groups are introduced in Job Hazard Analysis:
  - A work group is set of workers who have exposure to a similar set of hazards – usually within a research group
- 10 NSD Work Groups:
  - 4 at the 88 – operations, scientists, BASE users, non-BASE users
  - Heavy elements
  - INPA underground science
  - 2 for RNC (laboratory & non-lab)
  - Administrative
  - Theory
- Each work group coordinator has developed the work group hazard profiles
  - These profiles are the starting point for individual hazard profiles and can be tailored to individual situations

# ● ● ● | Job Hazard Analysis in NSD – Next Step

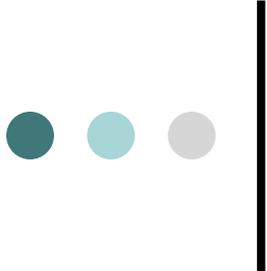
- Now supervisors need to meet with staff and tailor the group profiles to develop individual JHAs:
  - Individuals can belong to more than 1 work group
  - Modify work group answers for individuals





# Rollout schedule for JHA

- June 3
  - JHQ inactivated
  - IT & EHS test system for individual JHAs
- June 13
  - Safety Coordinators trained on process for individual JHAs
- June - September
  - All divisions do individual JHAs
- September 30
  - All individuals have completed JHA
  - DOE contract commitment: 75% of affected LBNL individuals have active JHAs by 9/30/08



# Who needs a JHA?

- **Everyone with a badge active for more than 30 days**
  - Complete Job Hazard Analysis (JHA) within first 30 days
  - Complete General Employee Radiation Training (GERT)
  - Identify division-specific requirements or additional training
  - Attend Introduction to EHS at the Lab within first 30 days
  - Complete On-the-Job Training as identified by the supervisor
  - Complete all required training within 90 calendar days (for assignments exceeding beyond 3 months)
  - Update the JHA annually and whenever the scope of work should change, and complete all newly identified EH&S Training within 90 calendar days
- **Anyone with a badge active for 30 days or less (unless directly supervised)**
  - Complete Job Hazard Analysis (JHA) within first 30 days
  - Complete GERT
  - Complete On-the-Job Training
  - Complete User Facility specialized training program
- **A JHA is not needed if the badge is active for 30 days or less and the person is directly supervised**



# Employee Training

- JHA compliance: 0%
- Training completion: 85%
- GERT compliance: 77%



# Ergonomics

- Ergonomic self-assessment (Remedy Interactive)
  - will be required for anyone with intensive computer use
- May request review – Ergonomic Evaluation Request in A-Z index, log into database, and request evaluation
- For pain, notify supervisor and go to Health Services



# Lab ES&H Statistics

- Only considers OSHA recordable injuries
  - Ratio of first aid to recordable has increased from 2 in 2002 to 3.2 in 2008
- 2006 rates
  - 1.28 recordable injuries/100 employees/year
  - 0.31 DART\*/100 employees/year
- 2007 rates
  - 1.65 recordable injuries/100 employees/year
  - 0.83 DART\*/100 employees/year
- 2008 rates
  - 1.46 recordable injuries/100 employees/year
  - 0.79 DART\*/100 employees/year
- NSD rates – 2 recordable injuries in 2007, none in 2006 or 2008

\*DART = Days away, restricted, or transferred

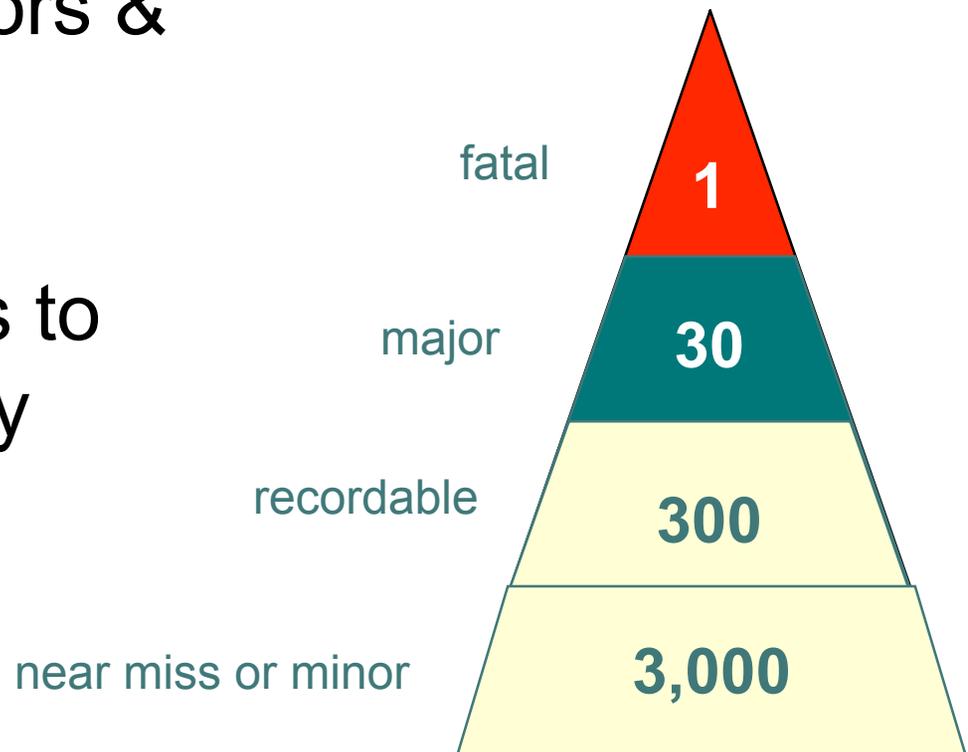


# Summary

- Many changes to EHS
- Responsibilities better defined
- EH&S part of how DOE judges Lab management
- Job Hazard Analysis needs to be completed by all this summer
- NSD is concerned about safety and is making sure that safety is part of the Division culture

# Backup

- By finding and preventing precursors & close calls, reduce injuries
- Report near misses to supervisor or Safety Coordinator





# Backup

Division: Nuclear Science Division

Safety Coordinator: Marty White

Date completed: 1/22/2008

	Group Name	Tentative Group Owner	Group Owner EID	Description/Comments
1	INPA	Lesko	526844	
2	88 Scientific Staff	Fallon	330951	
3	Relativistic Nuclear Collisions	Ritter	750988	2 groups
4	Heavy Element Chemistry/ Physics	Nitsche	655638	
5	Operations	Lyneis	551944	
6	Theory	Koch	849501	
7	Administration	Attia	876668	
8	88 Experimental User	Norris	593162	2 groups



# Backup

- DOE targets
  - TRC goal = 0.65
  - DART goal = 0.25