



EH&S Reporting Activities for May 2005

➤ Key Activities

- As of May 31st, Jefferson Lab had achieved **302** consecutive days without a lost-time injury. The Lab record is **455** consecutive days without a lost-time injury.

There were no DOE reportable injuries in May. There have been **35** consecutive days without a DOE reportable injury.

- Jefferson Lab received the Hampton Roads Sanitation District (HRSD) Gold Award for an exemplary CY 2004 compliance record (no administrative or technical violations). The Award was received by four Lab staff members at the May 25th HRSD awards luncheon in Virginia Beach. The four staff members were Erik Abkemeier (Radiation Control) and Brett Lewis (Inst. for SRF), in addition to Patty Hunt and Steve Singleton of Industrial Hygiene.

The Lab was also recognized for a pollution prevention initiative with a plaque for “significant pollution prevention efforts” in 2004. The plaque was for the implementation of the Test Lab Acid Neutralization System in 2004. Special thanks to the Inst. For SRF, Facilities Management, Industrial Hygiene, and Office of Assessment staff who worked over several years to make this major pollution prevention system a reality.

- Progress by EMS Implementation Team members continued in May on working towards having an EMS established by December 2005.

➤ Other Activities

Occurrence Reporting

- There was one May Significance Category 4 (lowest DOE occurrence reporting, ORPS level) event.
 - A May 18th occurrence was the release of 15-25 gallons of petroleum-based hydraulic fluid when a subcontractor well drilling rig had a filter failure. The release was during geothermal well drilling at the CEBAF Center addition site. There were no environmental impacts and the release was promptly decontaminated.
 - EH&S Reporting worked closely with Facilities Management in the causal analysis of the April 20th CEBAF Center fall. The Final ORPS Report will be transmitted in June.
- Hugh Williams, the Lab’s Assessment Engineer, retired on May 31st. Hugh had filled this important position since 1997 and worked tirelessly to assist JLab with its goal of continuous improvement. Hugh assisted EH&S Reporting and the Office of Assessment in a number of other special activities and initiatives. Hugh was also a key member of the Lab’s 2002 Integrated Safety Management (ISM) Review Team.

- EH&S Reporting provided five EH&S articles for the Lab's On Target Briefs in May.
- JLab information of environmental analytical laboratory activities was collected and provided to the DOE Site Office. This response was part of a DOE-wide data call for environmental laboratory vendor information.
- EH&S Reporting provided accident investigation support for a May 2nd "first aid" fall injury to a Chief Financial Office staff member.
- Preliminary EH&S and infrastructure benchmarking survey results were reviewed at the request of Stanford Linear Accelerator Center (SLAC) staff. SLAC is the lead lab on a benchmarking survey initiative among DOE accelerator and other non-weapons laboratories. Final benchmarking summary information will be provided to appropriate JLab staff when available.
- The Permit Action List that shows the schedule for permit-related reports and renewals was being updated in May.

Environmental Management System (EMS)

- A series of new Standard Operating Procedures (SOPs) for activities involving significant aspects such as Wastewater Discharge-Surface-Stormwater were drafted by Accelerator and Administration Division EMS Implementation Team members.
- The upcoming EMS awareness training was under development by the Training and Performance Office and EH&S Reporting.

NEPA (National Environmental Policy Act)

- Actions requiring NEPA review in May included drafting a categorical exclusion (CX) for the South Connector Road/Main Entrance project and parking area.

Work Smart Standards (WSS) Set

- EH&S Reporting continued working with the Policy and Manuals staff to incorporate a review of WSS items along with EH&S Manual updates.

EH&S Policies & Manual Group Highlights

May 2005

➤ **Policies & Manual Group Initiatives**

- Hyperlinks were added to the RadCon Supplement and are active in the pdf version of the supplement. Christina is troubleshooting why the links are not working in the html version.
- Received email from C. Hightower that forwarded a worker's observation of electrical safety guidance in Chapter 6240. The worker felt the guidance may pose a potentially lethal error regarding power supply grounding. The concern was passed on to J. Musson, B. Merz, and B. Meier for review. These subject matter experts concluded that the guidance in the chapter was accurate and safe but that adding further clarifying language would be useful. John Musson followed up with the worker on the outcome of the ESS review. See ESS Minutes for May 11, 2005, for additional info.
- Began coordination of proposed chapter author re-assignments designed to provide a more even distribution of workload.
- Bert contacted me about a possible corrupt link for the EH&S Manual search function on the Safe and Secure web page. I tested the EH&S Manual search function from both the JLab EH&S Information page and the EH&S Manual home page. Both worked successfully. I recommended Bert contact the web page owner, John Kelly, to report the problem as the malfunction appeared to be with the web page set up and not the EH&S Manual function.

➤ **EH&S Manual Updates**

- **Chapter 6140, *Cranes and Hoists***, Received author's feedback on Level 3 review comments.
- **Chapter 6220, *AC Power Distribution***, Awaiting author's resolution of comments from Level 3 review. Butch Meier is assisting with this review and update.
- **Chapter 6315, *Environmental Monitoring of Ionizing Radiation***, Awaiting author's resolution of comments from Level 2 review.
- **Chapter 6440, *Static Magnetic Fields***, Received author's feedback on Steve Neilson's comments, as well as a Summary of Changes. At month's end, we were preparing the Director's Council Review packages.
- **Chapter 6630, *Respiratory Protection***, the PMG Manager forwarded the requested changes from the Director's Council review on non NIOSH-approved respirators to Rhonda Scales for a recommendation on how best to integrate the DC comments into the chapter guidance. Received Rhonda's recommendations and at month's end, we were preparing the comparison document for discussion with the chapter author.
- **Appendix 6710-T2, *Emergency Planning and Community-Right-to-Know***, changes are not substantive, appendix underwent minor review and the PMG Manager provided comments. We are awaiting the author's feedback.
- **Chapter 6711, *Environmental Monitoring***, preparing Director's Council review packages.
- **Chapter 6731, *Groundwater Protection***, Received author's mark-up from Level 3 comments. Level 4 draft in preparation.

EH&S Policies & Manual Group Highlights

May 2005

- **Chapter 6732**, *Oil Spill Prevention, Control, and Countermeasures*, Awaiting author's resolution of comments from Level 3 review.
 - **Chapter 6733**, *Stormwater Pollution Prevention*, Received author's mark-up from Level 3 comments. Level 4 draft in preparation.
 - **Chapter 6750**, *Environmentally Harmful Materials*, Level 4 comparison document completed and sent to the author for final review.
- **Chapters Awaiting New Author Assignments**
- Chapter 3220, *Communication of Hazards to Employees and Users*
 - Chapter 6120, *Hand and Power Tools*
 - Chapter 6121, *Machine Tools*
 - Chapter 6131, *Trip and Fall Protection*
 - Chapter 6132, *Ladders and Scaffolds*
 - Chapter 6810, *Medical Emergencies*
 - Chapter 6840, *Bloodborne Pathogen Protection*
 - Chapter 6850, *Regulated Medical Waste Management*
- **Director's Council Packages [Level 4 Review]**
- None
- **Chapters/Appendices Updates Completed w/o Director's Council Review**
- Chapter 1100, *Lab Policy on Safety, Health, and Environmental Protection*, new Lab Policy from Lab Director
 - Chapter 2420, *Licenses and Permits from Outside Agencies*, minor permit changes.
 - Reference Appendix 2200-R1, Physics Division safety warden updates.
 - Chapter 6122, *Welding, Brazing, Cutting, and Grinding Safety*, triennial review, no changes, Interim Appendix made into a permanent appendix with no changes.
 - Chapter 6311, *Prompt Radiation Control*, triennial review, no changes.
 - Chapter 6920, *Safe Egress*, Appendices T1 and T2 underwent a Level 1 review by the new author, C. Snetter, who determined that no substantive changes were needed. Two changes were made for clarity and the rev date was updated. See EHSLOG # [1268936](#)
 - As a result of developing the EMS SOP on activated water management, a section was added to Chapter 6310 on spill response using the acronym, SWIM'N. This acronym is taught during rad worker training but had not been captured in the EH&S Manual.
 - Chapter 6110, *Lockout/Tagout*, was updated to include the February 2004 JEHSC-directed change to the supervisor training requirements.
- **EH&S Manual Revision Status – Color Coded Table**
- The color coded table of EH&S Manual chapters and appendices (dated June 1, 2005) can be viewed at: http://docushare.jlab.org/Get/File-8112/Color_coded_table-6-1-05.xls

Next update will be in July 2005