Program Highlights

1. Program Director or his division/department head will follow up on any reported incidents which occur within the Directorate and share corrective actions and lessons learned as appropriate.

Since the last quarterly report the Directorate experienced 2 TRC/DART cases.

Facilities: A worker stepped backwards while looking up at some equipment and fell off an 18” high platform onto an asphalt area. The platform was equipped with removal posts and barrier chain but someone had failed to re-secure the chain. Remember; if you must remove a protective barrier be sure to replace it as soon as possible. Also, keep ‘eyes on path’ meaning look where you are going. Never walk or step backwards, walk or step only in the direction you are facing.

Facilities: While attempting to lift a large traffic cone up and over the side of a utility truck an employee strained a stomach muscle requiring medical attention. As the worker pulled up on the cone it appeared to move but was held down by other items in the truck bed. If, when trying to lift items out of a truck bed you have to rise up on the balls of your feet you have probably over-reached which could cause a similar injury. It is better to put down the tail-gate and climb into the bed of the truck, move any obstructions out of the way and then move the item you need to the tail-gate so you can retrieve it with out injury. Also, if you need it, get a co-worker to assist you.

Since the last quarterly report the Directorate experienced 7 First Aid cases.

Facilities: While in the process of removing a compressor a worker was loosening fittings on the depressurized side of a helium line. A swaglock fitting on the pressurized side of the line came apart sending a blast of air and throwing debris up into the air. The flying debris got behind the worker’s face shield and into their eye. Lesson learned – always bleed off valves and release any stored energy prior to beginning work.

MD: Employee stepped on a rock and fell. Lessons learned are don’t rush, watch your step, avoid unpaved and/or uneven surfaces, and be mindful.

PCD: Employee lacerated the web of his hand while removing a defective high-power vitreous resistor from a holder mounted on a PC board. The employee failed to wear safety gloves during the removal of the defective resistor from the holders. The compromised device fractured and lacerated his hand.

PCD: Employee was attempting to remove a trip hazard by moving a 4’ 6” pipe. He attempted to move the pipe out of the way with one hand. The pipe rolled unexpectedly momentarily hyperextending his wrist forward. The employee was reminded of the 50 pound limit on his JHAM and cautioned against lifting objects of questionable weight without assistance.

Facilities: While attempting to reset a GFCI located on an outdoor receptacle an employee strained their shoulder by over-reaching. The worker was straddling a catch basin by standing on two
sections of curb to stay out of standing water. One way this strain could have been prevented would have been for the worker stand with both feet together on the curb and bend at the knees while reaching for the GCFI. As an engineering fix, our electricians are moving the GCFI to a more accessible location.

**MFD:** Employee fell on sector 24 stairs and twisted knee. An investigation report has been drafted and will be submitted by January 31. The stairs are not currently available for inspection (inside locked down radiological area), and we have not yet received the design package – so an evaluation of the stair structure cannot be performed at this time – therefore, a root cause cannot be determined. When this information becomes available, the investigation report will be finalized.

**MFD:** Employee bent down and then stood up, striking head on the corner of a shelf injuring head.

**Actions taken toward improvement:**

- MFD is working with Facilities to re-evaluate the elevated platform.
- MFD is working with the Accelerator Department to evaluate the Sector 24 stairs.

2. **Engineering and Technical Support Directorate will strive to meet performance metrics of FY08.**

- Percent of Mandatory Training Current – Goal 93%; Actual 94%
- Percent of Supervisor-Required Training Current – Goal 93%; Actual 92%
- Percent of no-show for ES&H training classes – Goal 10%; Actual 44%
- Percent of Required Medical Exams Current – Goal 90%; Actual 92%
- Percent of STAs Current – Goal 92%; Actual 97%
- Percent of Building Evacuations ≤365 Days Old – Goal 100%; Actual 100%
- Percent of Facility Emergency Plans ≤365 Days Old – Goal 100%; Actual 92%
- Percent of corrective actions in SLAC CATS completed or on schedule – Goal 95%; Actual 97%

**Noteworthy Items**

- A new Safety Officer started on 1/14/08 in Mechanical Fabrication.
- Facilities is conducting both Construction Safety and UTR Training in January 2008.
- Senior Management Walkthroughs are well underway. Lowell Klaisner conducted a SMW of the Metrology installations in LCLS during December.
- DOE conducted an inspection of Bldg 81. Facilities, Metrology, and BSD were all highly commended for their exceptional housekeeping. Metrology was also complemented on their innovations in the AHA process.
- MFD has started a safety incentive program called “High Five”, see attached
- MFD holds a monthly department-wide safety meeting. The topic of this months meeting was housecleaning. MFD employees were asked to identify and photograph areas that needed housekeeping attention. We are starting to address resources towards those cleaning efforts.
- All departments are currently scheduling their self-assessments per the currently published Chapter 33 requirements.
- Facilities Department holds monthly All Hands Meetings where First Aid, TRC and DART incidents are discussed along with Lesson Learned.
- Facilities completed a Site pathway survey and report.
• Metrology has completed all line management walkthroughs, as well as workplace compliance assessments. Safety reviews of working areas have led to changes being implemented for battery storage and charging areas within bldg #26

Areas to Watch

• Line Management Walkthroughs and Workplace Compliance Assessments are well underway. Metrology has completed their Chapter 33 requirements. Other departments are in beginning their formal inspections.
• MFD is proactively addressing safety-related issues within their department. A prioritized list of projects has been created in Microsoft Project.
• Continue to work toward some resolution for lockout of the accelerator. A working group has been formed.
• Facilities is currently struggling with tracking the numerous ES&H changes in requirements related to construction oversight that are not officially published or documented, yet for which UTRs and others are being held accountable.
• Facilities staff needs clarification of R2A2s across groups and ES&H. Specifically, who are the individual point of contacts for information and guidance on major ES&H topics.
• Metrology is reviewing electrical safety training requirements for all Metrology employees as some need more training in certain areas and some less. Also reviewing LOTO procedures for magnet power supplies utilized in Magnetic Measurements. Also part of self assessment
• Klystron - Line Management Self-assessments AND Work Space Assessments are presently planned for Feb '08 through May 1,2008 as follows:
  o Line Management Self-assessments - In January I sent out MSOutlook calendar appointments to each supervisor reminding them of assessment due dates. When supervisors respond, it puts a reminder on their Outlook calendar along with a weeks notice. All have responded.
  o Work Space Walkthroughs - Same as above. Building Manager accompanies supervisors on all work space assessments (also fulfills annual building manager inspections). All have responded.
  o To see Line Management and Work Space Assessments schedule go to: file://V:\KLY\Building & Safety\AUDITS ASSESSMENTS\LINE_MANAGEMENT ASSESSMENTS\ASSESSMENT DATES SPREADSHEET.xls
  o Klystron presently working to catalog ELP documents in prep for internal audit.
• PCD plans to complete our annual self-assessment by 3/31/08. We will use the same approach that was successfully employed during FY07. Individual supervisors will be reminded of the employees and facilities for which they are responsible, via e-mail, during the week of 1/28/08.
• PCD has identified a deficiency in some of its staff training for the use of various personnel lifts and elevated work platforms. The training requirement is identified in SLAC ES&H documentation, but the necessary training is not available through ES&H. Joe Olszewski has identified an approved vendor and will arrange training for all affected PCD staff during February.