

## FY11 Plan for **ES&H**

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Relevant Strategic Plans – Strategic Plan for CD ES&H

ES&H Goal – Through continual improvement of our ES&H performance, and compliance to legal and regulatory requirements, our goal is to reduce ES&H impacts associated with our mission and the mission of the laboratory.

ES&H Strategy –

- Implement practices to reduce risks and to prevent injury to our employees.
- Maintain plans to minimize and respond to emergencies.
- Examine and guide ES&H practices of our contactors.
- Manage and reduce consumption of natural resources and generation of waste through design, reuse and recycling.
- Measure performance by monitoring and improving compliance with ES&H Policies.
- Provide information regarding ES&H practices and policy through dialogue, training, and openness with employees.

## ES&H

### FY10 Accomplishments

1. **Internal Reviews** – An ES&H self-assessment document was drafted for performing internal reviews. Reviews have been performed on the following programs: FCC Generator Spill Plan, open ESHTRK findings, the FCC Satellite Accumulation Area, the CD Hazardous Waste Procedure, the AED Program, Controlled Procedures and an informal walkthrough of FCC2 Computer Room.
2. **Federal Electronic Challenge** – The goal for writing and implementing the policies and procedures supporting the Executive Order 13423 and Green Computing are complete. We are unable to apply for a silver award for this year due to the FEC mandatory requirements radically changing in February 2010, and our inability to install energy efficient settings on Windows XP units. But we are planning on submitting an application for a bronze award in Dec. 2010.
3. **CD Tracks** – An ES&H related article has been written for each issue.
4. **IH Assessments** – Three existing IH Assessments were updated.
5. **Safety Awareness Suggestion Implementation** – The computer wallpaper that has a safety theme was given to the Central Services Group to have it installed as part of a Fermi-themed wallpaper “package” on all Windows 7 units, as they are rolled out. The safety crossword puzzle was put in one of the issues of CD Tracks. The safety mirror clings are at the printer and will be put in the FCC bathrooms when the clings are delivered. We are asking Rich McGorty to hold discussions in our division on various mental health topics.
6. **Tripartites** – We are on track with our scheduled walkthroughs with DOE. We are also leading a tripartite in April/May on Emergency Planning.
7. **Drills** - We held one fire drill and one tornado drill.

8. **Safety Recognition Program Event** – We held a 4 million hour party on April 20<sup>th</sup>.
9. **Workstation Assessments** – 12 workstation assessments were completed and acted upon.
10. **Training** – Various training was given throughout the year.

Not Accomplished in FY10

We are unable to apply for a silver award for this year due to the FEC mandatory requirements radically changing in February 2010, and our inability to install energy efficient settings on Windows XP units.

### **Objectives for FY11**

#### ESH/ESH Data Center Energy Efficiency

- Activity type: Project
- Description: Increase the data center energy efficiency by increasing cold aisle temperatures, evaluating cold aisle containment and extending the humidification range.
- Timescale: April 1, 2011

#### ESH/ESH Human Performance Improvement

- Activity type: Project
- Description: Provide the basic concepts of HPI to supervisors and managers
- Timescale: Oct. 1, 2011

#### ESH/ESH Internal Program Reviews

- Activity type: Service
- Description: Perform internal reviews on six existing CD ES&H Programs and document/correct findings.
- Timescale: Complete by October 1, 2011
- Metrics: Leading/Lagging Indicators will remain in “Outstanding” range [http://www-esh.fnal.gov/owa\\_user/fnal\\_indicators.html](http://www-esh.fnal.gov/owa_user/fnal_indicators.html)

#### ESH/ESH CD Tracks

- Activity type: Service
- Description: Provide an ES&H related article in each issue
- Timescale: Ongoing
- Milestones: One article/month

ESH/ESH Give added focus to the Industrial Hygiene Program

- Activity type: Service
- Description: Update noise samples in all CD data centers
- Timescale: Complete by October 1, 2011
- Metrics: Updates will be reflected in the IH Assessment Database

#### ESH/ESH Mental Health Focus

- Activity type: Project
- Description: Provide a talk or series of talks focusing on mental health topics, particularly getting along with others
- Timescale: June 1, 2011
- Milestones: Completion of talk(s)

**Priorities:** The two highest priorities are to increase the data center efficiency and to provide HPI Training for our supervisors and managers. Increasing the data center efficiency will reduce our power consumption, which will save money and decrease our greenhouse gas emissions. The laboratory is moving toward applying HPI concepts, so it will be important for anyone with supervisory responsibilities to understand this concept. HPI will be the next level to attain in our ES&H and QA programs.

**Staffing Issues:** 1 FTE – No changes needed.

#### **Change control:**

Changes or delays in these priorities may put the division at risk with ES&H issues and increase the risk of performing badly on an audit.

#### **Risk Assessment:**

A delay or failure to increase our energy efficiency in the data centers will increase our greenhouse gas emission inventory and will cost the laboratory money over time in fines and energy bills.

A delay or failure to train supervisors and managers in HPI will hinder our division from improving our formal programs.

A delay or failure to revisit already existing ES&H programs put the programs at risk of being outdated or obsolete. This puts us at risk for an injury and an audit finding.

CD Tracks articles have brought “at-home” and “at-work” ES&H issues to the forefront. By including articles that focus on “at-home safety”, shows employees that it is their well-being that is most important, whether at home or at work.

A delay or failure to update our noise samples put the assessments at risk of being outdated or obsolete. This puts us at risk for an injury and an audit finding.