



**DOE R&D Electrical Safety Meeting and Workshop**  
**March 28 - 31, 2005**  
**Stanford Linear Accelerator Center**  
**Agenda**

General Meeting co-Chairs: Lloyd Gordon, Los Alamos National Laboratory  
Perry Anthony, Stanford Linear Accelerator Center  
Technical Program Chair: Terry Fogle, Los Alamos National Laboratory  
Workshop Chair: Willy Molina, DOE/NNSA Los Alamos Site Office

**Monday, March 28, 2005**  
**Meeting and Workshop Planning Meeting**  
**2:00 – 5:00 PM**  
**Research Office Building 048 – Redwood Rooms A/B/C/D**

1. Welcome
2. Introductions of Key Program Personnel
3. Introductions of Attendees – Getting Acquainted
4. Discussion:
  - A. Brief review of the 2004 Meeting/Workshop.
  - B. Review of the December 2004 revision of the DOE Electrical Safety Handbook.
  - C. Discussion of 10 CFR 851.
  - D. What should be the goals of this Meeting/Workshop?
  - E. Review of Electrical Safety Action Plan presentations for Tuesday.
  - F. Proposal of workshop topics.
  - G. Discussion and resolution of workshop topics.



**Tuesday, March 29, 2005**  
**Technical Presentations on R&D Electrical Safety**  
**8:00 AM – 5:00 PM**  
**Research Office Building 048 – Redwood Rooms A/B/C/D**

- |   |   |                        |
|---|---|------------------------|
| 8:30 am   | Welcome, local host, co-chair           | Perry Anthony, SLAC    |
| 8:40 am   | Welcome, co-chair                       | Lloyd Gordon, LANL     |
| 8:50 am   | Welcome, DOE/NNSA                       | Willy Molina, DOE/NNSA |
| 9:00 am   | Welcome, SLAC Director                  | Jonathan Dorfan, SLAC  |
| 9:15 am   | 2004/2005 DOE Year of Electrical Safety | Willy Molina, DOE      |
| 9:30 am   | Results of the March 2004 Meeting       | Terry Fogle, LANL      |
| 10:00 am BREAK  |   |                        |
| 10:30 am  | Recent Evolution in Electrical Safety   | Lloyd Gordon, LANL     |
| 11:00 am  | SLAC accident and action plans          | Perry Anthony, SLAC    |
| 11:30 am  | SNL action plan                         | Mark Mcnellis, SNL     |
| 11:45 am  | LANL action plan                        | Terry Fogle, LANL      |
| 12:00 pm LUNCH  |   |                        |
| 1:00 pm Electrical Safety Action Plans from 8 other sites |   |                        |
| 3:00 pm BREAK   |   |                        |
| 3:20 pm   | AHJ Program at LLNL                     | Fred Coffield, LLNL    |
| 3:50 pm   | Multi-lab equipment acceptance at NTS   | Don Bourcier, LANL-NTS |
| 4:20 pm   | Hazard Based Safety Engineering         | Tom Childers, UL       |
| 4:50 pm   | HV Converter Modulator Safety at SNS    | David Anderson, ORNL   |

Questions: Perry Anthony x4354 or Vickee Flynn x4208 (from any site phone)



**Wednesday, March 30, 2005**

**Technical Presentations on R&D Electrical Safety**

**8:00 AM – 10:30 AM**

**Panofsky Auditorium**

8:00 am	Consistent Electrical Hazard Classification	Lloyd Gordon, LANL
8:30 am	Implementation of NFPA 70E at SNL	Mark Mcnellis, SNL
9:00 am	Arc Energy Deposition Measurements	Mike Gordon, LANL
9:30 am	High Voltage DC vs AC power – safety aspects	Richard Cassel, SLAC
10:00 am	BREAK	

**Technical Presentations on R&D Electrical Safety (Cont.)**

**10:30 AM – 12:00 PM**

**Research Office Building 048 – Redwood Rooms A/B/C/D**

10:30 am	10 CFR 851	David Chaney, DOE/NNSA
11:00 am	How NFPA 70 and 70E apply to R&D	Lloyd Gordon, LANL
11:30 am	Workshop Opening and Plan	Willy Molina, LANL
12:00 pm	LUNCH	

**Workshop Groups**

**1:00 PM – 5:00 PM**

Workshop Group 1	Redwood Room A
Workshop Group 2	Redwood Room B
Workshop Group 3	Redwood Room C
Workshop Group 4	Redwood Room D
Workshop Group 5	Panofsky Auditorium



**Thursday, March 31, 2005**

**Workshop**

**8:00 AM – 11:30 AM**

**NOTE LOCATIONS FOR WORKING GROUPS**

Workshop Group 1	B280 – Rm180 EFD Conference Room
Workshop Group 2	B041 – Rm144 Beige Room
Workshop Group 3	B041 – Rm223 Yellow Room
Workshop Group 4	B041 – Rm207 Blue Room
Workshop Group 5	Panofsky Auditorium

**11:30 AM**

**LUNCH**

**12:30 PM – 3:00 PM**

**Panofsky Auditorium**

12:30 – 1:00	Presentation Workshop Group 1
1:00 – 1:30	Presentation Workshop Group 2
1:30 – 2:00	Presentation Workshop Group 3
2:00 – 2:30	Presentation Workshop Group 4
2:30 – 3:00	Presentation Workshop Group 5

**3:00 PM – 5:00 PM**

**Tour of the Stanford Linear Accelerator Center**