Accelerator Safety Workshop
Argonne National Lab
Tuesday, August 7, 2007

8:00 – 8:30   Registration – Argonne Guest House Lobby

8:30 – 8:45   Welcome: Argonne Site Office Manager, Ron Lutha - **Guest House Conference Room "A"**

8:45 – 9:15   Keynote Presentation: Safety at APS (Murray Gibson, APS)

9:15 – 10:00   Work Planning
- Talk: Human Performance Initiative at C-AD (Ed Lessard, BNL)
- Breakout Plan: (Sam McKenzie, SNS)

10:00 – 10:15 Break

10:15 – 11:00 Electrical Safety
- Talk: Codes and Standards for Research and Development (Lloyd Gordon, LANL)
- Breakout Plan (Perry Anthony, SLAC)

11:00 – 12:00 Interlock Systems
- Talk: Redundancy Requirements For Interlock System Critical Devices (Bob Casey, NSLS II)
- Talk: Electrical Interlocks (Paul Wright, SNS)
- Breakout Plan (Gregory Markovich, APS)

12:00 – 1:00   Lunch (choices: Guest House Restaurant, cafeteria, or box lunch in meeting room)

1:00 – 3:45   Concurrent Breakout Sessions – **room 220 suite / conference room A**

Work Planning Breakout: (Sam McKenzie, SNS)
- Develop recommendations/guidance for work planning

Electrical Safety Breakout (Perry Anthony, SLAC)
- Develop recommendations/guidance on format and substance of equivalency rulings
- Develop training recommendations for electrical engineers at accelerators

Interlock Systems Breakout (Gregory Markovich, APS)
- Develop recommendations for guidance on design, maintenance, testing and records keeping

3:45 – 4:00   Break

4:00 – 5:30   Breakout Reporting Session

6:30 – 8:30   Dinner at Guest House Restaurant (optional)
Grilled beef tenderloin in red wine sauce, with red roasted potatoes & vegetable, or
Seared chicken breast with tomatillo sauce, with rice and vegetablesor
Grilled Atlantic salmon fillet with white cream sauce, tomato relish, polenta and vegetables

Accelerator Safety Workshop
Argonne National Lab - Guest House
Wednesday, August 8, 2007

8:00 – 8:45   Pressure Safety - **Guest House Conference Room "A"**
- Talk: Pressure Safety Requirements and Issues at Accelerators (Ed Lessard, BNL)
- Breakout Plan: (Isidoro Campisi - SNS):

8:45 – 10:15 Lessons Learned
- Talks: Recent lessons learned (Kelley Mahoney, JLab; Ed Lessard, C-AD; Frank Kornegay, SNS)
- Breakout Plan: (Frank Kornegay, SNS):

10:15 – 10:30 Break

10:30 – 12:00 Current and Future Challenges In Accelerator Safety Program Management
- 20 m Talk: Inherently Safe Design, User Safety, High Intensity Beams (Gary Zeman, ANL)
- 20 m Talk: Waste Issues (Steve Frey, SLAC)
- 20 min Talk: 10 CFR 835 Changes (Don Cossairt, FNAL & Don Gregory, SNS & Pete O'Connell, DOE)
- 30 min Talk: Perspectives from the Office of Safety, Security and Infrastructure (Marc Jones, Associate Director, Office of Safety, Security and Infrastructure, SC-31)
- Breakout Plan: (Gary Zeman)

12:00 – 1:00   Lunch (Guest House Restaurant, cafeteria, or box lunch in meeting room)

1:00 – 3:45   Concurrent Breakout Sessions – **room 220 suite / conference room A**

Pressure Safety Breakout: (Isidoro Campisi, SNS)
- Develop guidance recommendations on format and substance of equivalency rulings
- Develop training recommendations/guidance for mechanical and cryogenic engineers at accelerators

Lessons Learned Breakout (Frank Kornegay, SNS)
- Recommend mechanisms/guidance to bring accelerator lessons learned to improved/effective attention of the accelerator community

Current and Future Challenges In Accelerator Health Physics Program Management Breakout (Gary Zeman)
- Develop recommendations

3:45 – 4:00   Break

4:00 – 5:30   Breakout Reporting Session

6:30 - 9:00   Dinner at Papadeaux Seafood Kitchen, 921 Pasquinelli Dr., Westmont (optional) see map

Accelerator Safety Workshop
Argonne National Lab
Thursday, August 9, 2007

8:00 – 10:00   Open Forum - **APS Building 401 / Room E1100** (behind auditorium)
- Discuss Any Proposed Changes To ASO Guidance
- Discuss DOE ASO Review in 2008
- Plan Next Year's Meeting

10:00 – 12:00 Tours of Argonne Accelerator Facilities (optional)
- ATLAS
- APS
- IPNS

Workshop Notes:

- Speakers should bring Power Point talks on thumb drives. If saved as a PPS file, then your file will display all fonts and symbols exactly as prepared, but cannot be edited. If you bring PPT file and your laptop, then you can edit.
- WiFi connection to internet is available throughout the Guest House.
- Bring 50 handouts if you want to distribute notes or information.
- ANL will distribute files of talks and breakout reports. We can copy to your thumb drive or a CD.
- Are there any requests for additional services?

Expectations for Breakout Facilitators

- Prepare brief outline of breakout plan that can be presented during morning sessions.
    o Breakout plan should state the issues or questions to be addressed.

- Breakout facilitator should:
    o Solicit ideas on your topic from other participants.
    o Take notes during breakout session.
    o Initially go for quantity of ideas instead of quality.
    o No criticism, welcome far-fetched ideas.
    o Improve ideas by combining them.
    o Report on breakout discussions during plenary session at end of day.