



... for a brighter future

APS/Users Operations Monthly Meeting

J. Murray Gibson

September 24, 2008



U.S. Department
of Energy

UChicago ►
Argonne_{LLC}



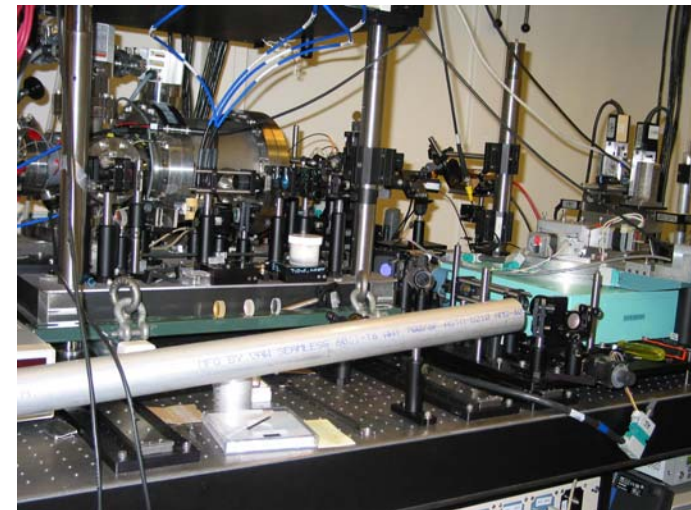
A U.S. Department of Energy laboratory
managed by UChicago Argonne, LLC

Agenda

- 2:30 p.m. Refreshments
- 2:45 p.m. APS Update – Murray Gibson
- 3:00 p.m. Renewal Workshop Update – Denny Mills
- 3:10 p.m. Update on ASISI: a proposal for a national theory and computational institute – Gabrielle Long
- 3:25 p.m. BioCARS 14-ID Upgrade – Tim Graber
- 3:45 p.m. Adjourn

Investigation of 7ID-C Laser Incident (8/9/08)

- General user suspected that he viewed diffused laser light
 - Investigation of administrative practices concluded and report issued
- No evidence for exposure, but could have happened
 - Vertical beams unshielded during alignment
 - Protective eyewear improperly worn
- Experiment received proper approvals
- Approval and review process could be improved, for example:
 - Improved training for LCAS, visiting researchers using Class III/IV lasers?
 - Multiple Laser Operating Permits for single source/ multiple beam path setups?
- Other factors
 - Unclear responsibilities for LCAS
 - PI had not considered the use of standardized shielded optical path segments
 - Inadequate management attention to staffing and training for high hazard experiments
- Causal analysis, corrective actions being developed, lab-wide response also sought



Lab Management System (LMS) - what is it?

- Its an implementation of the ISO9000 system
- It should be more efficient
- It includes controls in the development of all lab-wide policies and procedures, and ensures programmatic input
 - This is paying off with Work Planning and Control
- More information in a future monthly meeting (and next weeks APS Monthly Management Meeting)
 - Should be transparent to outside users
- PS – APS has been using this discipline for a while, so for us it does not mean big changes in the way we do things

Next steps on the Renewal



Workshop at Hickory Ridge in Lisle, Oct 20-21st
SAC input to white paper to DOE due early November

Note October Monthly meeting cancelled

APS Renewal: Accelerator Proposal Presentations

October 6: 1-5 pm
in Room A1100

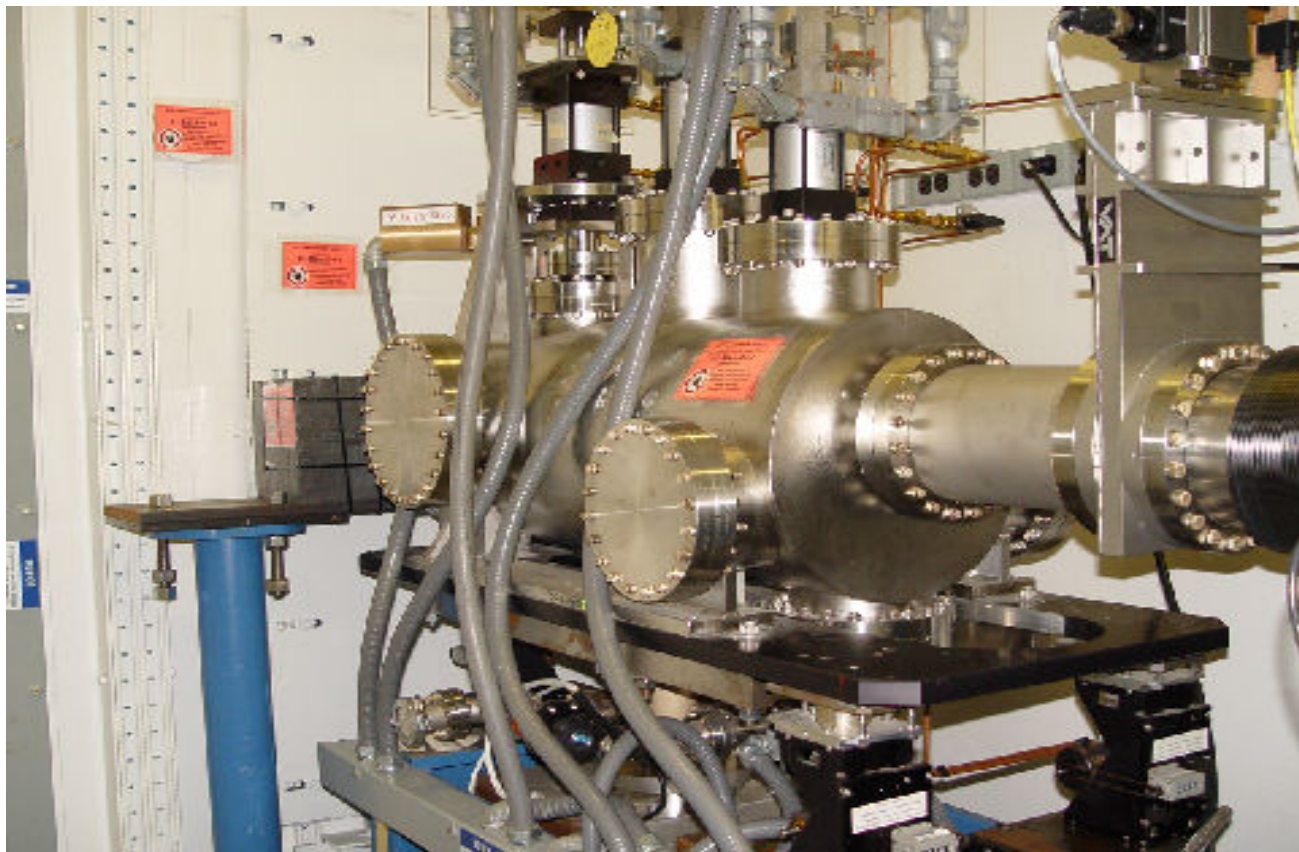
Introduction	Gerig
R&D Projects	Gerig
LSS Lattice and Science Enabling Projects	Borland
Beam Stability Projects	Decker
Insertion Device Projects	Moog
Infrastructure Projects	Maclean
Break	
Obsolescence Spare and Upgrades Overview	Quintana
Diagnostics Group	
RF Group	
Power Supply Group	
Mechanical Engineering and Design Group	
Mechanical Operation and Maintenance Group	
Controls and IT Groups	
Safety Interlocks Group	
Wrap-up	Gerig

Pacesetter: Evan Maxey (XSD)



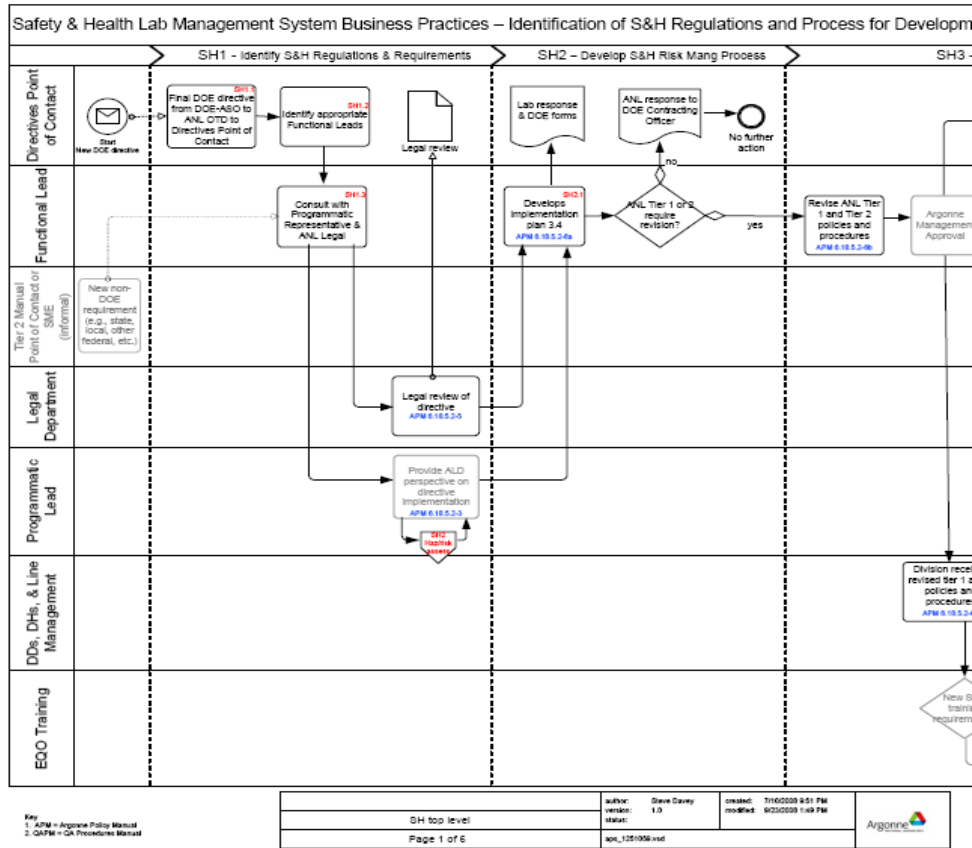
For sustained proactive efforts that have ensured both a safe working environment and safe practices observed in Sector 11 Laboratories.

***Pacesetter: Julie Cross, Yifei Jaski (AES), Dean Haeffner (XSD)
and Harold Moe (ASD)***



Discovered and corrected a legacy shielding deficiency at the APS 1BM beamline in a proactive manner that allowed the beamline to be brought back online as quickly as possible without compromising safety for operational convenience.

Pacesetter: Kelly Jaje (AES)



Excellent job in the development and management of Committee records for the APS Operations Directorate Meetings, APS Renewal Meetings, and the Argonne Safety and Health Lab Management Team.

Pacesetter: Robert Soliday (ASD) and Brian Tieman (AES)



Delivered high-performance computing capabilities to the APS accelerator and XOR beamlines, respectively. These advancements have dramatically improved the productivity of the APS and advanced the rate of scientific discovery.

Pacesetter: Gian Trento (ASD)

APS Booster/Storage Ring High Voltage RF Systems



Dedication, hard work and an outstanding effort in maintaining and enhancing APS RF high voltage power systems in support of operation and achieving extraordinary systems availability.