

APS/Users' Operations Monthly Meeting

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Advanced Photon Source

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Argonne National Laboratory



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Agenda

I. APS Update (D. Mills)

Accelerator performance

News from Washington

SUF ESH/QA Coordinator

Policy on Radiation Safety Systems

Information Systems/User Meeting

II. APS-ESRF-Spring-8 Three-way Meeting (E. Gluskin)

III. lightsources.org (Rick Fenner)

IV. *Synchrotron-base studies of Geomicrobiology* (Ken Kemner)

Accelerator Performance

Listing of Statistics
for Run3-2004
(Created Thu Dec 16
08:07:45 CST 2004)

Percentage of
Scheduled Time

98.66 %

Mean Time Between
Faults (MTBF)

117.88

Hours

This run ends on Tuesday
December 21 @ 11:59:50
pm.



News from Washington

Budget news:

It is expected that BES will provide us with an additional **\$2M Equipment** and **\$1.5M ARIM** (January Plan). We also expect another **\$1.75M in Operating** later (hopefully February).

Secretary of Energy Nominee:

Samuel W. Bodman is currently the Deputy Secretary of the Department of Commerce. Born in 1938 in Chicago, he graduated in 1961 with a B.S. in chemical engineering from Cornell University. In 1965, he completed his ScD at Massachusetts Institute of Technology. For the next six years he served as an Associate Professor of Chemical Engineering at MIT and as Technical Director of the American Research and Development Corporation, a pioneer venture capital firm.



Changes in ESH Responsibilities in SUF

- The recent formation of the Scientific User Facilities (SUF) ALDship, combined the APS and IPNS under one Associate Lab Director (ALD) - namely Murray Gibson. The addition of IPNS has caused us to rethink how we will handle ESH given this additional responsibility.
- We have posted new position for an SUF ESH/QA Coordinator that will be a member of the ALD office and report to the ALD.
- The SUF ESH/QA Coordinator will serve as a special senior R&D advisor to the ALD with regard to potential ESH impacts on SUF activities in areas such as:
 - biological science
 - materials science
 - environmental science
 - etc.

Policy on Radiation Safety Systems

- Motivated by the recent incidents related to shutters on Sector 2 and the LEUTL, we initiated a process to better formalize the requirements and authorizations necessary to perform work on **radiation safety systems**.
- **Radiation safety systems** include, but are not limited to, critical components. They consist of hardware to shield radiation, interlock devices, and software to control the device when a hazard is detected.
- This policy applies to groups working on systems that shield downstream personnel from radiation.
- This policy defines a risk matrix for the consequence and complexity of the radiation safety systems, and defines requirements to perform work on radiation systems as a result of the risk assessment.

Policy on Radiation Safety Systems (continued)

- This new policy requires better work planning, improved authorization, and (independent) validation that the work was properly performed before the system goes back on-line.
- For the first few times, these new processes may take a bit more time to implement the maintenance/repair of safety system components and we may have to tweak the process based on actual experience - **but please bear with us as a short delay is much better than a mishap that could shut down the entire facility.**

This new policy will go into effect at the start of the upcoming shutdown, i.e., December 22, 2004.

Information Systems/User Meeting

- Due to budgetary constraints we have had to reduce our staff that handles Oracle database development and on-line forms from 9 to 4.
- This has resulted in developing a prioritization of projects that can be implemented and/or enhanced this year. Some of these projects (GU proposal system, ESAF system, End-of-Experiment Forms, scheduling, etc.) may effect CAT's plans for enhancements of their own databases.
- Therefore, we are holding a meeting at 4:00 p.m. on December 20 (in A1100) with CAT representatives to discuss our list of projects and the proposed priority list.