

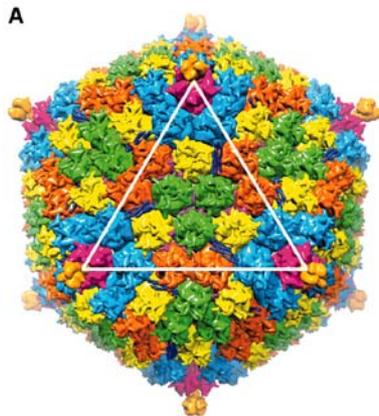
# APS Update

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Advanced Photon Source

Argonne National Laboratory

January 21, 2010



# APS Update

## *Safety*

- Electrical Equipment Inspections
- Congestion on Floor, Planning for Space

## *Operations Schedule*

## *Other News*

- APS-U and Budget Meetings with BES
- NUFO Advocacy
- BER Structural Biology Presentation
- Advanced Protein Crystallization Facility

## *Planning for DOE Review of APS*



# Argonne Electrical Inspection Program

- Requirement
  - Inspect all non-NRTL Electrical Equipment by **September 2011** (NRTL = Nationally Recognized Testing Laboratory).
- Action
  - APS has approximately 30 DEEIs (Designated Electrical Equipment Inspectors)
  - APS Divisions (AES, ASD, XSD) are generally on track to meet deadline.
  - Various non-APS CATs should step up their inspections. AES supplying inspectors.
- Request
  - Non-APS CATs continue to be pro-active in completing inspections.
  - Contact: Clay White
  - 2-0300
  - cawhite@aps.anl.gov

## December-2010

### Total From Non ANL Sectors

#### Individule Totals

#### % Completed

SEC	295	136	8	36	56%
SEC	85	0	0	0	0%
SEC	66	2	0	3	3%
SEC	403	104	24	6	32%
SEC	49	1	0	0	2%
SEC	176	43	0	1	28%
SEC	92	55	7	9	75%
SEC	361	31	0	231	24%
SEC	157	106	0	34	86%
SEC	136	0	0	0	0%
SEC	122	18	1	5	16%
SEC	23	0	0	0	0%

**% Complete Total = 33% (Green + Red/White - Blue)**

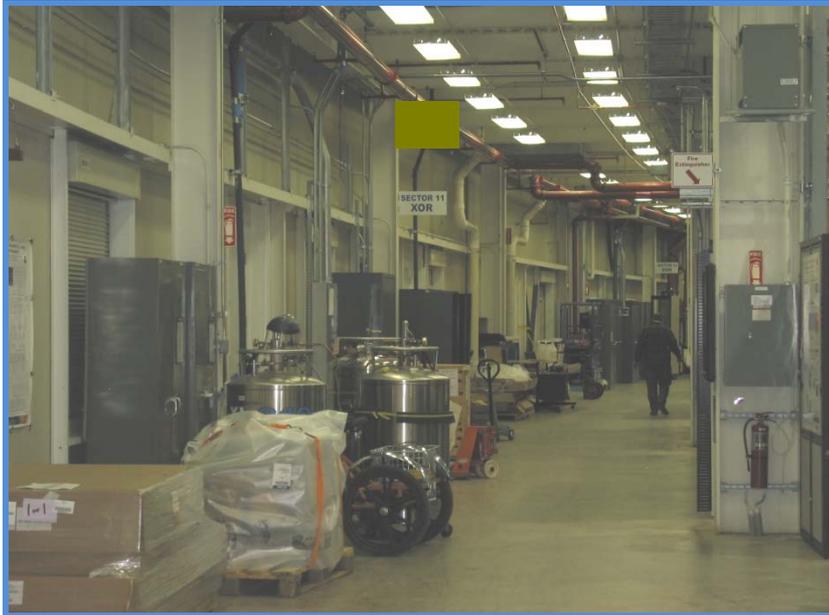
#### **Already Inspected**

<b>Total</b>	<b>1965</b>	
<b>Total</b>	<b>502</b>	<b>Non NRTL Passed</b>
<b>Total</b>	<b>40</b>	<b>Rejected / out of service</b>
<b>Total</b>	<b>325</b>	<b>NRTL</b>

**% Complete DISCLAIMER – data is awaiting updating in Lab – wide spreadsheet**



# Issue - Space Utilization of EAA and Main Aisle Ring



- At times materials are stored for indefinite periods in common space.

- At times, the unclear rules about space allocation and responsibility result in clutter and waste of space.

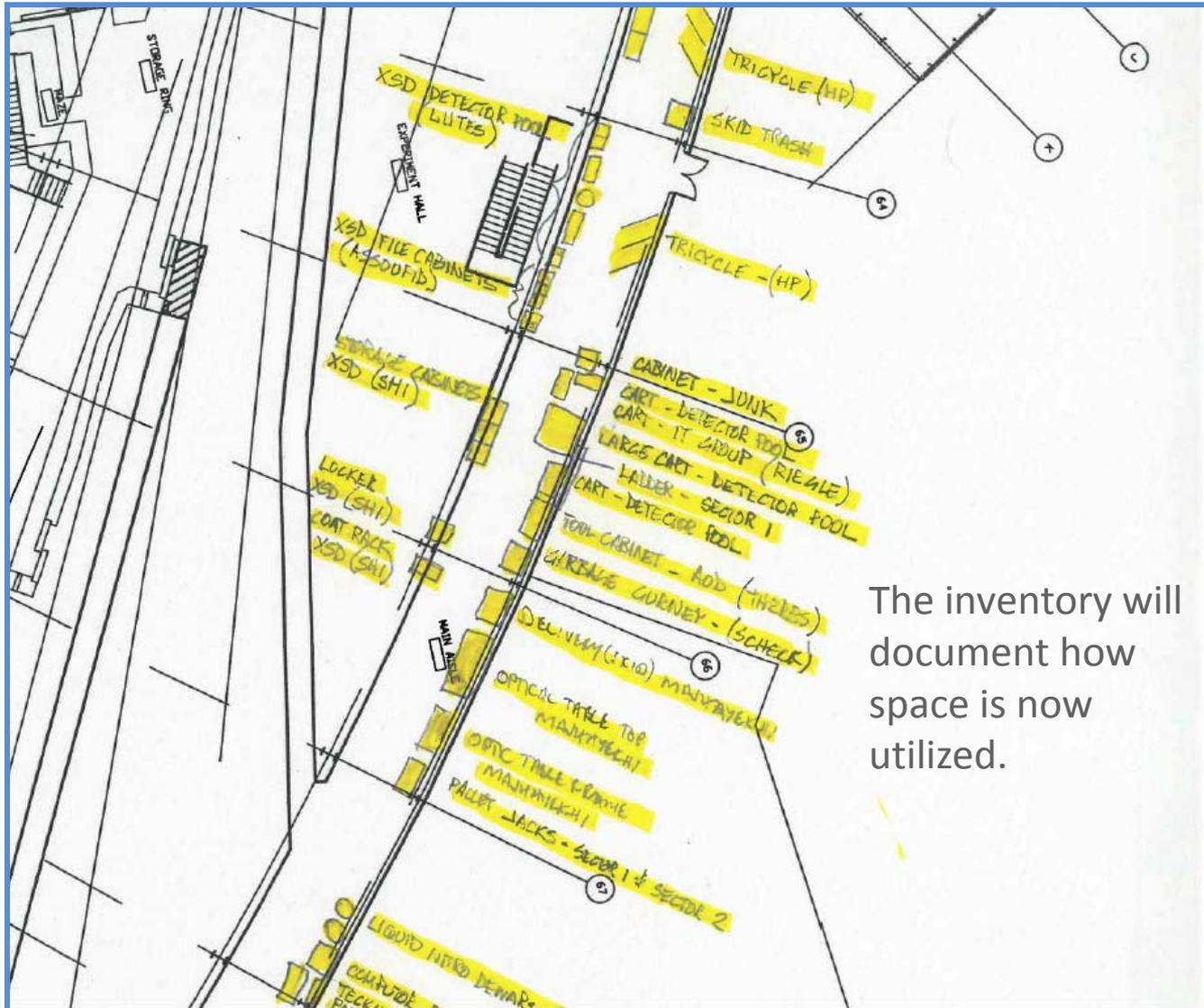


# Issue - Space Utilization of EAA and Main Aisle Ring

- As the remaining sectors are built out, we will have less "unused" space available for long-term and temporary storage, construction staging, bicycle parking, etc.
- We need to have a more detailed plan for the “common area” main aisle ring spaces, as well as availability of long-term and temporary space in nearby buildings.
- Already seeing increasing issues with congestion of the aisle
  - Need your short-term help in reducing clutter, evaluating space usage in your area
- Will be developing more detailed policies and procedures for space allocation
  - Request your input



# AES is Currently Conducting a Space Utilization Inventory

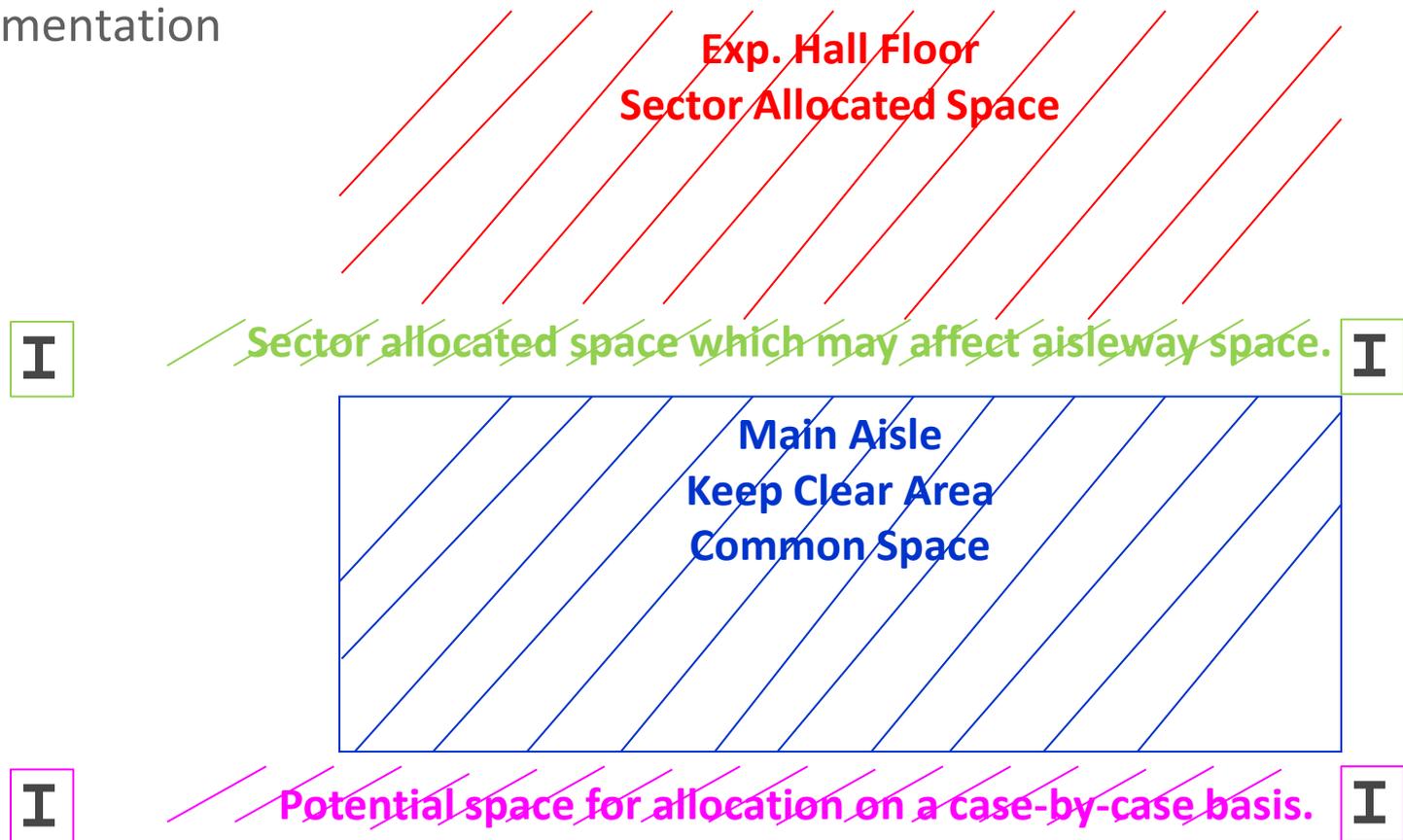


The inventory will document how space is now utilized.



# APS is Forming a Working Group to Draft Improved Space Allocation Policies and Procedures

- Would like representatives from APSUO-SC and PUC
- Draft policies will be distributed to all groups for comment prior to implementation



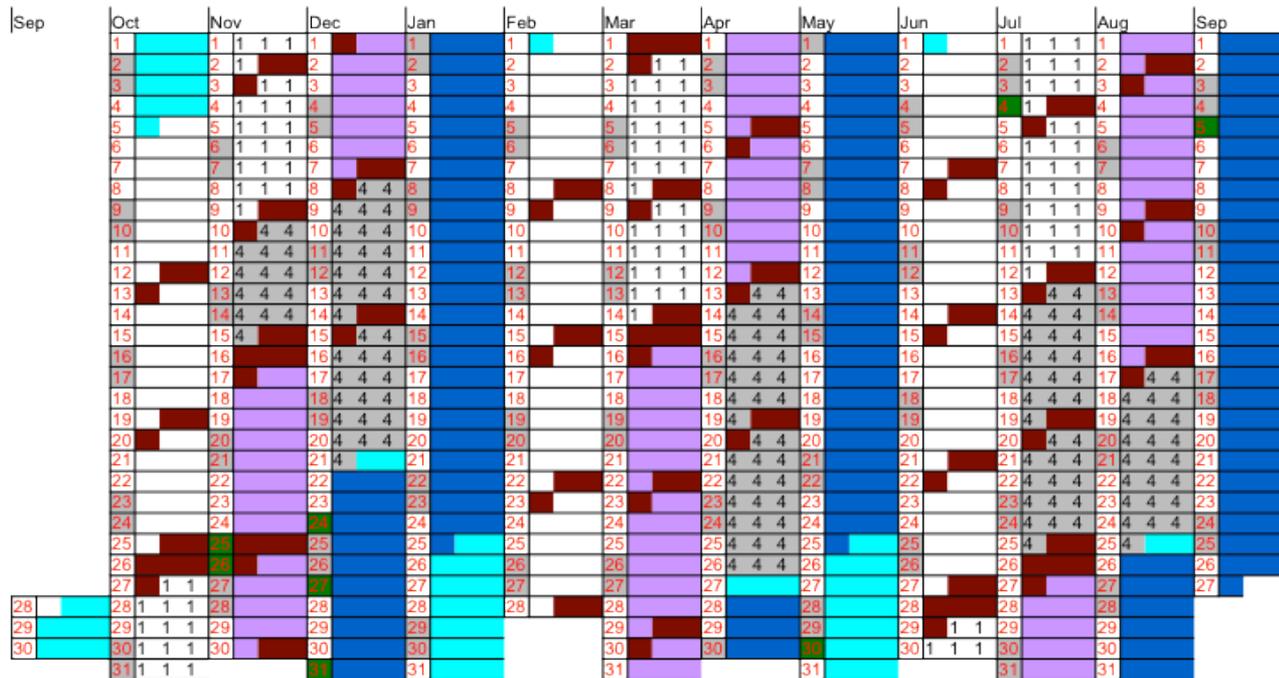
# APS Long-Range Operations Schedule Through 2011-2

## APS Long-Range Operations Schedule 2011

Run 2010-3

Run 2011-1

Run 2011-2 (Draft)



User Operation in standard lattice  
 User Operation in Reduced Horizontal Lattice(RHB)

**SOM Periods**  
 1 Hybrid Fill - (singlet)  
 4 324 Singlets - Non Top-Up

Machine Studies  
 Maintenance  
 Shifts set aside for Studies/  
 Machines Intervention as Needed

Weekends  
 Lab Holidays

Top-Up Operations is standard unless indicated in fill pattern

Fill pattern is 24 singlets unless otherwise indicated by number



## Other News: Trip to Washington Next Week

- Some APS and DOE/Argonne management will be meeting with BES staff in Germantown Jan 24-25 to discuss the APS Upgrade , APS budget, etc.
- Will be presenting Upgrade status and plans to DOE/BES building towards CD1 (Lehman Review in May)
- Currently still operating under Continuing Resolution
  - Will be getting most up-to-date advice on potential budget scenarios



# Congressional Outreach by NUFO

- NUFO = National User Facility Organization
- A group of 37 national user facilities, primarily federally funded, whose missions are to provide tools and resources for internal and external user science
- NUFO represents the interests of USERS—scientists who conduct research at US national scientific user facilities
- Sponsors and conducts outreach activities on behalf of all NUFO facilities



# NUFO Plans Outreach Exhibition on Capitol Hill in early April 2011

- Focus is on educating Congress about research at user facilities and its benefits to the U.S.
- Will include collective posters focused on fundamental knowledge, science education, scientific achievements, and economic competitiveness, as well as a large demographic display
- Will include individual facility posters
  - APS working with APSUO Steering Committee on APS poster
- Need one (or more) users to attend poster and briefing at DOE
  - Need to be able to discuss APS/achievements in layman's language
  - Recommendations welcome; send to Susan Strasser



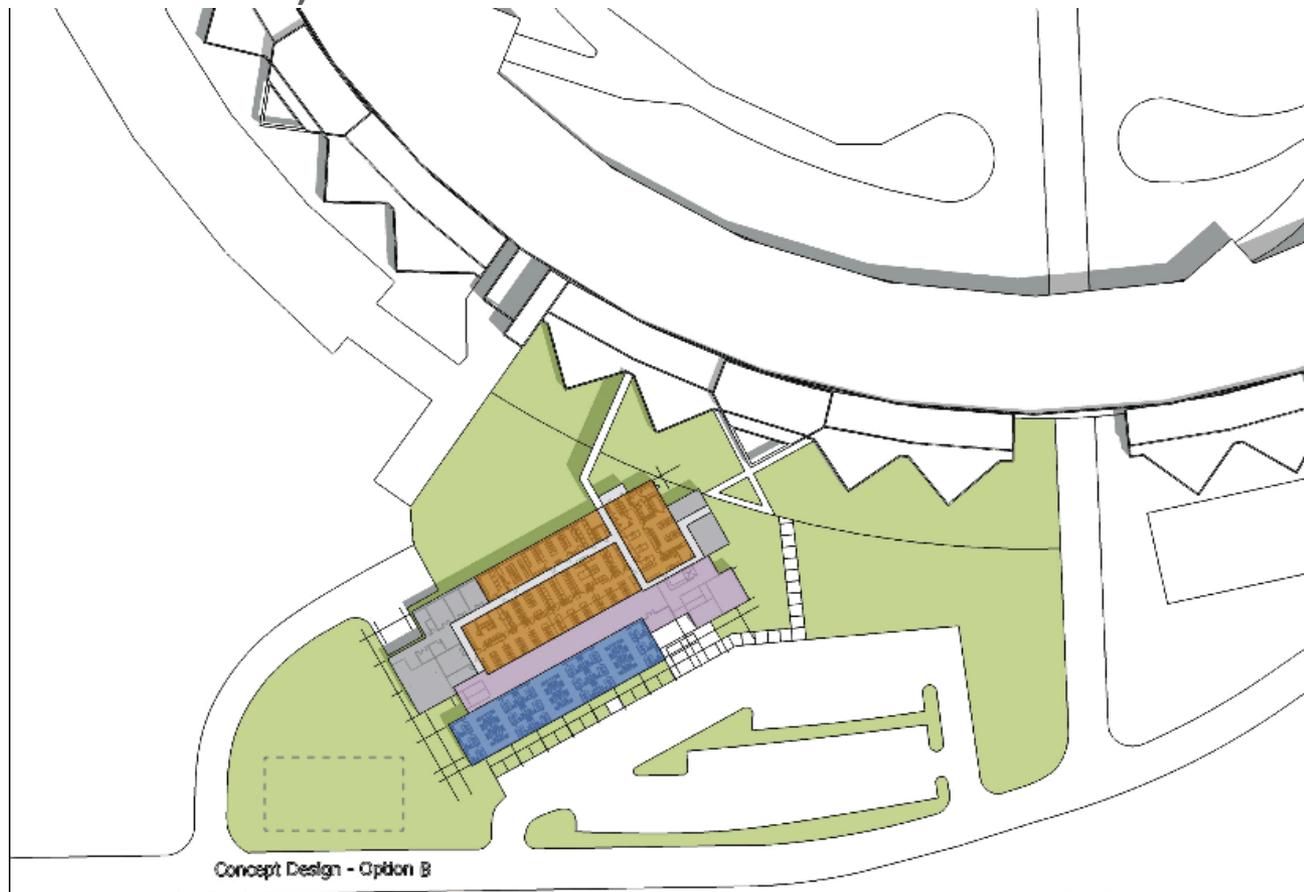
# BER Workshop on Impact of New and Planned DOE National User Facilities on Structural Biology

- DOE Office of Biological and Environmental Research is planning a review of the impact of new and planned facilities structural biology, May 9-11, 2011
- APS is invited to submit a 20 page document and make a presentation
- Observers from other DOE offices and federal agencies will be present
- This will be a great opportunity to pitch the impact of the APS Upgrade on life sciences and structural biology
- We would like the input of the APS Life Sciences community in preparing/reviewing the document and suggesting participants for the presentation



# Advanced Protein Crystallization Facility

- Conceptual design underway for APCF building (funded by State of Illinois)



Concept Design - Option B

DECEMBER 10 2010

ARGONNE NATIONAL LABORATORY / SMITHGROUP / JJR / AFFILIATED ENGINEERS / TERRA ENGINEERING / THORNTON TOMASETTI



# Planning for DOE Review of APS

- The triennial review of APS is being scheduled for late summer 2011
- We'll be calling on the community to contribute to the documents and presentations for the review
- Soon beamline spokespersons will receive requests for updated information such as
  - specifications, staffing, funding, user statistics, publications
  - most important publications
  - future plans, issues, trends in user demand
- We appreciate your assistance!

