

Operations Update

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NSLS-II Town Hall Meeting
August 5, 2015



Outline

- **General User Operations & Beamline Readiness**
- **Space Planning**
 - Office
 - Laboratory
 - Machine Shops
- **Stockroom**
- **Facility Upgrades**

NSLS-II General User Operations

- **Two levels of readiness required; facility and individual beamline (with supporting lab spaces)**
- **NSLS-II facility level readiness**
 - The logistics, support systems, processes, procedures, and support staff are in place to allow unsupervised 24/7 user access to the facility
 - Developed and executed comprehensive User Readiness Plan
 - Adapted proven NSLS processes and systems where applicable and created new processes where needed
- **Individual beamline readiness**
 - Process to achieve beamline readiness developed as part of facility level readiness
 - Applied to CSX-1; will be used for all future beamlines

NSLS-II General User Operations Authorized

NSLS-II Facility

- June 3, 2015 - User Readiness Plan approved
- July 9, 2015 - DOE Office of Science approved NSLS-II's request for designation as an *Office of Science User Facility*
- July 23, 2015 - User Readiness Plan fully executed
- *July 24, 2015 - NSLS- II Director authorized the start of General User Operations at 3:20PM*

CSX-1 Beamline [23-ID] readiness

- CSX-1 Beamline Readiness preparations completed July 23, 2015
- *July 24, 2015 - NSLS- II Director authorized the start of General User Operations at CSX-1 at 3:21PM*

NSLS-II Space Planning

Office Space

- LOB 4 remains on schedule for completion by Sept 30, 2015 with turnover to NSLS-II early October.
- Space planning underway – proposals for use being developed by Accelerator Division and Photon Science Division
- Individual space requests continue to be accommodated as they arise

Laboratory Space

- Developed estimate for revising scope of the proposed FY16 LOB buildout project (buildout of all labs in 745)
- New proposal is to buildout ½ of labs in 744 and ½ in 745
- If accepted by the Lab's IGPP program, the revised project would deliver Labs 5-9 in both 744 and 745 in FY 18
- FY16 IGPP project proposals under review by Lab soon

NSLS-II Space Planning (cont'd)

- **Machine Shops**

- Machine Shop Needs Assessment Task Force report received
- Recommendations presented to management and under active discussion; assuring safety a primary factor
- Interim policy was needed for readiness determination for General User Operations
 - No user access to be provided until requirements are established
- Machine shop in LOB 1 – machine installation in progress; expected to be available for NSLS-II staff use late August
- New consolidated ES Directorate shop in Building 555 to be available for NSLS-II staff use in late August

Stockroom Task Force

Stockroom Task Force chartered to:

- Summarize (generally, not by specific items) the anticipated needs of NSLS-II staff, general users, and partner beamline users for access to materials and supplies, including hours that access will be needed.
- Identify alternatives to address these needs, including options that may exist within the Energy Sciences Directorate.
- Assess pros and cons of each alternative in terms of space required, cost to convert space, operating cost, convenience to staff and users, and other factors the members may deem appropriate.
- Recommend a specific alternative.

Task Force work is nearing completion

Facility Upgrades

- **Upgrading experimental floor lighting**
 - Improved service life
 - Enhanced brightness at floor level
 - Less than 3 year payback
- **Regrading building exterior at bypass corridors**
(to prevent recurring flooding)
- **Relocating select ARMs**

Summary

- NSLS-II now a DOE SC User Facility
- General User Operations in progress
- Process for authorizing General User Operations at beamlines established and executed
- Facility working to meet science program need
 - Lab space buildout
 - Machine shop capability
 - Stockroom
- Supporting Implementation of Top Off operations

Comments/Questions??



Planning for NSLS-II General User Operations

- **User Readiness Plan – some highlights**
 - DOE User Facility designation
 - Beamline and User Labs readiness process
 - Experimental Safety Review process
 - User Access procedure; Dosimetry Issue process
 - User Materials shipping and waste disposal processes
 - Alarm response
 - PASS system
 - User safety training module
 - Communications

Operations: Other Misc Items

- Preparing for Instrument Readiness Review for Top Off Safety System (TOSS) – September 15-16, 2015 – to meet 9/30 DOE milestone
- Dispositioning Special Process Spares from NSLS
- Negotiating FY16 space charges with F&O for Building 740
- Reviewing storage requirements to consolidate storage space and reduce operating costs
- Reviewing operating procedures to streamline/consolidate
- Reviewing/Documenting Configuration Management program to prepare for Lab-wide assessment in Sept