Present: Nena, Matt, Katy, Bruce, Shane, Wendy, Liz, Bruno, John

**EFOG Presence onsite: 7/19-7/25**

Mon-Fri FC1:John FC2:Clay

Evenings: Matt

Weekend: Bruno (Sat); Shane (Sun)

Vacation/DORs:

Ashley 7/19-7/23

Steve 7/19-7/23

Nena 7/22

**Events from last week**

* 28-ID shielding mitigation. See 28-ID status below

**Ongoing beamline issues/work on experimental floor**

* Temperature instability issues have arisen in 11BM-B. FAC is aware and working on a fix, but design parameters are 22.5C +/- .5 degrees. Over the weekend, temps fluctuated from 21 to 24 six times.

**Work on experimental floor/LOMs**

* AC being added to 7-IDC hutch
* Robot at 7-ID-C tie into interlock safety system
* 6-ID-C sprinkler system: Alex Smith from FD to put a plan through Patti’s committee

**Things to look out for this week:**

* **Portable Oxygen monitors:** 5ID-A and 20ID-A Please check for normal O2 levels (20.9%) and battery level ~ 3 times per week for on-shift personnel and please report to Bruno if there is a problem.
* **Eyewashes/LSI. Eyewashes** are due weekly and LSI are due at the end of the month.
* **Evening Shift reminder to send FC to MCR turnover email**
* **Prox Badges:** Staff and users must activate their prox badges by contacting the User Office (for users) or Ed Russel. The visitor office does not activate prox badges upon issuance.
* **Gas injection study** 7/19 6pm to 9pm

**28-ID IDEA Status**

* Beamline Equipment installation on-going.
* 28ID-A cryo-deck installation by Scheck underway. No welding on 28ID-A roof will be done.
* Shielding mitigation for doors is nearly complete. Lead added to B and C stations is temporarily covered until permanent covers can be made. A station mitigation will resume Wednesday 7/21. Survey & Alignment will be moving and realigning the monochromator stage on Monday, 7/19 at the beamline request. Beamline personnel will then need to verify optics position on Tuesday, 7/20. The 28ID-A user key has been removed by beamline personnel and placed in the 28ID beamline lock box.  
  The beamline remains APS disabled..

**25-ID ASL Status**

* Electrical contractor onsite starting hutch utility installation
* Magnetic signs for the hutch doors are on order
* 25ID-A shielding verification tentatively scheduled for October 2021 (need electric, water/air and PSS installed first).
* 25 has marked out a space on the end of the E hutch that is the outline of a future laser control room moving from Sector 11. This will necessitate a shift of the egress aisle which has been approved. 25-ID laser control room scheduled to be done by the end of 2021

**LBB Updates**

* **Activities This Week:** Walkthrough of exterior LBB happening Thursday.
* **Items to Keep an Eye on:**  none
* **Looking Ahead:** Shutdown work-Mod C installation and pipe work. During pipe install, LNDS to 18-27 will be down (est. 9-15 days) starting 8/12. Interior Lab demo: Relocating Johnson control panel and rerouting utilities in chase at 436A 030. Possible other minor electrical work in 436A030 and 435E030. Demo work will not happen until Dec/Jan shutdown. Walkthrough of space this Wed or Friday.
* **Scheduling:** Typically contractors work from 7:00 a.m. - 3:30 p.m. LBB updates can be found at <https://www.aps.anl.gov/Machine-Status/Construction-Schedule/long-beamline-building-construction-schedule>

**437 lab build out**

* Power Construction awarded the contract
* Clay will work with ANL and contractor and be the POC for our group
* Procurement has issued Letter to Proceed. Contractor will begin site mobilization on Monday, 8/2, appx 1 week ahead of schedule.
* Contractor will use the 437 conference room as site office
* Work hours will be as per LBB – 0700 to 1530
* Scope of work (and financing) limited to a full build-out of the South labs (A and B pentagons) and rough shell of the North labs (D and E pentagons)
* Dean Haeffner and Robert Winarski to remove remaining items in 437 prior to contractor arrival. Shane may be called upon by Ed Russell to assist.
* Feb/Mar 2022 completion expected. Final schedule available before 8/1

**OPS/XSD GL/PSC Managers/Leader Meeting**:

* Safety: No issues this week. Fire main restored to normal
* Randy: one downtime 1.16 hours. Trip on RF1. No beamline downtime
* Users: Malcolm elevated beam motion due to infield work. Malcolm doesn’t think it’s all from infield work. Could be correlated to large steering corrections by beamlines. Chrzas see some vertical beam motion since removed BPM from orbital corrections. Asking when the BPM can be restored into orbital correction. Power outage, LNDS downtime. will need liquid nitrogen supplied to keep mono up.
* Mohan: LBB; good progress during power shutdown will tie into power during that time. Compacting during shutdown. LNDS shutdown Aug 12 for a few days. Sectors 18-27. Ashley will determine the liquid nitrogen needs for those beamlines that need it.
* Site Operations: 437 buildout. Expected construction to begin Aug 2.

**APS Shutdown Planning**:

* Tunnels open Aug 4, close Aug 31
* New gate valve and ion pump to be installed in 6ID BLEPS – May be deferred
* New gate valve and ion pump to be installed in 9BM BLEPS
* FEEPS upgrades scheduled for ID lines in sectors 16, 17, 18, 19, 20, and 21
* PSS validations – no beamlines scheduled yet. SI has requested help. Volunteers can respond to my note on Teams
* Focusing mirror installation at 9BM. Will begin after the tunnels close, with work proceeding through all of Sep. Mike Fisher is the supervising engineer.
* Improvements will be made to the 400 roadway, in concert with upgrades to the concrete pads outside superdoors D, E, and possibly C. These doors will be inaccessible after the end of July and through much of August. A power shutdown, similar to the recent Big Power Event, will be required, affecting sectors 12-35. See below for more info.
* A planned LNDS Module C shutdown will affect sectors 18-27, and involves a complete shutdown of the LN2 header. Proposed schedule is to start Aug 12th with LOTO, work on the system Aug 12-26, and leave Aug 26-30 for contingency. This represents a change to prevent conflict with the power shutdown. There is a push by Mohan to minimize LN2 downtime.
* Network switches will be replaced in sectors 17, 29, and 33. Given the disruption this recently caused in sector 11, affected FCs are advised to coordinate this with Brian Pruitt and affected BL staff. Schedule TBA

**Power Shutdown**

1. 8/5/21 0300hrs, conventional power switchgear X-4, X-5, and X-6 will be taken down. This affects **beamline sectors 12-23 and LOMs 434, 435, and 436**. conventional power in these areas will be down and all essential equipment must be transferred to emergency power circuits beforehand.

* Either late on August 6th or early August 7th (a Saturday) work will be complete at superdoors C and D, and conventional power will be restored on those switchgear.

1. 8/10/21 0300hrs, conventional power switchgear X-7, X-8, and X-9 will be taken down. This affects **beamline sectors 24-35 and LOMs 437 and 438.**

* Either late on August 11th or early August 12th work will be complete and conventional power will be restored on those switchgear.
* Cord drops have begun at sector 35, working upstream. For now they are not live, but merely in place. Cords will go live on July 26th, and all cord drops will be in place by July 30th. Areas affected by the first shutdown should have all equipment on emergency power no later than COB Aug 4th. Areas affected by the 2nd shutdown should have all equipment on emergency power no later than COB Aug 9th.
* Other things to look out for:
  + ODH monitors are not on emergency power
  + Beamlines should inspected of LND valve and actuators
  + LN2 Dewar fill stations not on emergency power.
  + Turn off and cap gas bottles in gas cabinets
  + No fume hood work permitted during shutdown
  + Empty food from break room refrigerators
  + Power down personal computers and other electronics not critical
  + All non critical automatic starting/restarting equipment should be disabled

**Experiments of Note**

* Limited Operations + with approved ANL onsite users from divisions outside of PSC and some onsite external users with PSC ALD and DOE ASO approval.
* All risk level work allowed except for Radioactive, Explosive, and BSL2 samples unless the experiment is deemed mission critical or funding dependent, etc. Most experiments are mail-in or remote.
* No plans for change in operation status until after 2021-2 run.

ESAFs with onsite users from ANL divisions outside of PSC have been approved by DOE ASO. ESAFs with external (outside of ANL) onsite users have been approved by both PSC ALD and DOE ASO.

**Experiments Running 07/19/2021 – 07/26/2021**

**Special Experiments:**

* ESAF 241381 at 10-BM-B. Jeremy Beam and Don Reed from LANL onsite at APS. Start 7/20/2021. End 7/23/2021. **Radioactive Samples**
* ESAF 242445 at 16-BM-D. LANL remote users. HP-CAT staff running the experiment. Start 7/22/2021. End 7/24/2021. **Radioactive Samples**
* ESAF 243691 at 16-BM-D. Emily Siska from UNLV onsite at APS. Start 7/24/2021. End 7/26/2021. **Radioactive Samples**

**Long Duration Lab or No X-Ray ESAFs:**

* ESAF 239935 at Sector 7. Chris Otolski and Gilles Doumy from CSE onsite at APS. Start 5/4/2021. End 8/3/2021.
* ESAF 241851 at Sector 33. Hui Cao and Xi Yan from MSD onsite at APS. Start 6/7/2021. End 9/30/2021.

**Long Term Work Status - APS Upgrade and other APS projects: See EFOG Turnover notes from previous week for more information.**

**Round Table Discussion**

Nena

* **See EFOG Turnover notes (below) for further details on Ops, LBB, Shutdown work, general info, etc.**
* **Increasing EFOG presence on site:** if you are not on shift for the week please be on site at least **3** days a week.
* A folder has been created in EFOG Shared in Box entitled [Floor Coordinator Responsibilities and Information.](https://anl.app.box.com/folder/131729137561)
  + [FC ON Shift Responsibilities](https://anl.app.box.com/file/770704936353?s=qtmlutaaipmcs1v5zuth4f99x8qgrng8)
  + [FC Shift Exchange Template for MCR](https://anl.app.box.com/file/770699580232)
  + [Floor Coordinator Responsibilities for Three-Year Sector Safety Reviews](https://anl.app.box.com/file/776611770090)
  + [Troubling Shooting FC1/FC2 Paging System](https://anl.app.box.com/file/792938639787)
* EFO Group Training- Please take all expired training courses by the end of June
* EFO Group Procedures- Please complete all procedures that Kelly Jaje sent by the end of June. If you would like to be taken off a procedure please let me know and I will reassign.

Liz

* Nothing Further than experiments of note

Katy

* Completed manlift training last week

Matt

* Completed manlift training last week
* Finishing up 18-ID work now; installing emergency receptacles

Bruce

* Looking at ESAFs
* Nothing further from the programmers; Bruce to forward list to Nena

John

* Continuing to deactivate ESAFs

Bruno

* Trips at 7-ID; MOM group had to reset a flow that was too close to the threshold; problem seems to be fixed (Be window inside of 7-ID-B)
* 5-BM-B CO monitor to be installed
* Hand held ozone monitors per Ashley monitors seem to be working well; please let Bruno know if these are issued

Wendy

* Will need ozone monitor from Bruno on Wednesday for 28

Shane

* HE experiment at 16 is now done; should be taken to shipping Tuesday or Wednesday
* 435E card key reader is finally ready to be hooked up to power; will be done during power shutdown