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

EFOG Presence onsite:

Mon-Fri FC1: Katy FC2: Bruno

Evenings- John (M,T,W) Shane (Thur) Wendy (Fri)

Weekend: Ashley

Vacation/DORs:

 Clay 7/12

 Shane 7/16

 Steve 7/12-7/23

 Nena 7/16

**Events from last week**

* 7ID shutter/BLEPS issue: BLEPS fault ‘failed to fully close’. SI and beamline investigated. Should be resolved as of 7/12/2021.

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

* 6/28/21Removed APS Enable from C station for the official shutdown of the 4ID-C branchline. Full details to follow job planning meetings, but the work will occur this shutdown. Jeff Toeller notified for SD Planning purposes. PDRC will review and issue recommendations to Dan Haskel, Project Lead. Review date is 7/1. PDRC review has begun. Action items are: SI to modify the BLEPS User Requirements document and route for approval; PSS will remain operational, with SI to determine which of several proposals will produce the fewest nuisance trips on the decommissioned line; VAC to engineer and machine hard stops for the C station shutter; C. Kurtz to review shielding implications of two termination proposals and advise. Nothing new for 7/12. Information will be archived at next meeting.

**Work on experimental floor/LOMs**

* Install GN2 supply line at 02-ID-D to support new cryostream equipment. Welding on hutch complete. Pipe installation ongoing.
* AC being added to 7-IDC hutch
* (RSS) 18-ID will be installing quad receptacles throughout their beamline and require some welding to be done, scheduled for 7/12-7/13.
* (RSS) Welding at 2ID – done 7/12 AM; pipeline work on 7/12
* (RSS) 28ID water flow 5 issues being looked at (vcone swap) 7/12
* Fire department blocking access to 435E for backfilling of sprinkler line due to work in infield. FedEx pickup and Airgas deliveries to 435E affected. Airgas deliveries paused for the moment. FedEx redirected to 436C. 7/13 evening FedEx resumes pickup at 435E.

**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.
* For the12 RKI Instruments wall-mounted ozone monitors, the new replacement sensors were successfully installed at 1-BM, 2-BM, 6-BM, 7-BM, 7-ID, 32-ID, 33-ID, 34-ID, and four units at 35-ID. Bruno will email beamline personnel of the maintenance performed**.**
* **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**
* **LOTO station inspections:** Submit every 6 months (June/December). Complete form ANL-1063 in Xink.

**28-ID IDEA Status**

* Beamline Equipment installation on-going.
* 28ID-A cryo-deck installation by Scheck has started. No welding on 28ID-A roof will be done. Was supposed to happen pre-covid but did not happen at that time.
* Brief delay to shielding mitigation check. Started 7/7, but found beam was clipping something in its path. After investigation, found that the beam needed a large steering down. Issue resolved and shielding mitigation rescheduled for 7/14.
* V cone swap on 7/12

**25-ID ASL Status**

* Electrical work pre-job meeting was last Friday. Electrical contractors onsite now (7/12), materials expected today or tomorrow.
* 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.

**LBB Updates**

* **Activities This Week:** Slab on grade work today/tomorrow (weather pending). Exterior wall framing and sheeting, and some interior layout work.
* **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 Thursday.
* **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**

* Funding issue has been resolved! Contractors set to start in August with completion scheduled for March 2022
* Power Construction awarded the contract
* Clay will work with ANL and contractor and be the POC for our group
* First pre-construction meeting to be held 7/12. Procurement to issue Letter to Proceed shortly thereafter. Contractor expected on-site between 8/1 and 8/14 for review. Site mobilization between 8/7 and 8/21. Long lead items will be ordered in this period.
* 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
* Nothing new for 7/12

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

* Safety: No issues this week.
* Randy: Downtime:RF4 trip/Power supply convertor failure Total time:14hrs
* Power Shutdown discussed:

**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 13th with LOTO, work on the system Aug 13-26, and leave Aug 26-30 for contingency. This represents a change to prevent conflict with the power shutdown.
* 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 12-26 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 will be available beginning on the 15th of this month. 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 07/12/2021 – 07/19/2021**

**Special Experiments:**

* ESAF 243093 at 16-ID-B. 4 onsite users (approved by Kim Sawyer/John Connolly) from LLNL onsite at APS. Start 7/14/2021. End 7/17/2021. **Radioactive Samples**
* ESAF 242040 at 16-BM-B. Blake Sturtevant and Eric Moss from LANL onsite at APS. Start 7/14/2021. End 7/17/2021. **Radioactive Samples**
* ESAF 241626 at 10-ID-B. Ken Kemner from BIO onsite at APS. Start 7/14/2021. End 7/19/2021. **Radioactive Samples**
* ESAF 242446 at 16-ID-B. Jason Baker (LLNL) and Oliver Tschauner (UNLV) onsite at APS. Start 7/17/2021. End 7/19/2021. **Explosive 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.

Shane

* 25-ID laser control room scheduled to be done by the end of 2021
* ESAFs at 21 - Z extended them to end on 7/18; noted on EAs
* ESAFs at 24 - had a few that could not run on Sunday; will check in with the beamline regarding if new end dates are needed
* RSS tool box items arrived for everyone; will distribute this week
* Tim’s tools have arrived
* Talked with Patti regarding robot install at 7-ID

John

* ESAF table rectification later today; will check in with beamlines that had ESAFs that were supposed to run Sunday before taking down ESAFs

Matt

* 18-ID welding done
* Informed areas about power shutdown and LNDS work

Ashley

* Nothing additional

Katy

* Working on key transfer with Steve’s keys (removing Dean’s name from the keys)

Bruno

* 7-ID-C robot has been installed; working on interlocks now
* Alex Smith from FD to put a plan through Patti’s committee re: 6-ID
* 7-ID-B Alan’s diesel cart inside; temporary set up; Bruno will forward emails to Liz and Nena

Liz

* XSD-SBC TYSSR scheduled for Wednesday, August 4th at 11am
* Tim Smith scheduled for several upcoming DEEIs

Bruce

* No updates from the programmers

Wendy

* Nothing additional