EFOG meeting 03/01/2021

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

Nena

* See EFOG Turnover notes (below) for further details on Ops, LBB, Shutdown work, general info, etc.
* APS U is currently evaluating if can meet the July 2022 date for the dark period
* A new folder has been created in EFOG Shared in Box entitled [Floor Coordinator Responsibilities.](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)
* Clay will go over FC responsibility for Global online and offline. [Procedure for the Use of Beamline Global Online Keys](https://icmsdocs.aps.anl.gov/docs/idcplg?IdcService=DISPLAY_URL&dDocName=APS_1186603) APS\_1186603
* ANL is going to move from weekly covid testing to biweekly. Info will be sent out shortly.
* **Argonne Vaccination Program**
  + Argonne has kicked off a Vaccination Program **Planning** team. Approval has not been given yet.
  + Any future distribution of vaccines received by Argonne for Argonne use would follow the IDPH phases of distribution e.g., Phase 1a, 1b, etc.
    - When program in place will be open to employees and staff, AA, long term contractors (I.e. Sheck) and contingent workers (CAT operation staff). Will not be open to family members
    - No timeline when this will occur. Advise those in 1B and 1C to look to your PCP and county IDPH sites first to ensure timely vaccination
  + A survey was sent out to all ANL personnel to gauge interest in receiving a vaccine at Argonne
* **Increasing EFOG presence on site:** if you are not on shift for the week please attempt to be on site at least 2 days a week. By the shutdown and next run we will be mostly on site with minimal telecommuting days.
* Nena will be meeting with FAC and XSD group leaders to present EFOG roles and responsibilities. Rick Fenner would like to do a Spotlight on EFOG.

John/Ashley

* Work happening today at 3ID, 4ID and 15ID
  + 3ID: warnings and trips for pressure overflow (water), MOM-water contacted (G. Moonier). Water flow was high, MOM has throttled the flow down and trips reset.
  + 4ID: water hose to shutter inside 4ID-B sprung a leak, upon investigation the 2 water lines were tight causing stress. MOM has replaced both lines and added slack to reduce the stress. Yokagawa transmitters have been bled.
  + 15ID: planned job of changing the FE-EPS and BL-EPS power to UPS power.

Ashley

* LBB work continues
* If anyone is aware of work going on in any truck locks or gas yards please let Ashley and Shane know. This is important because their areas have been displaced due to the work in the 435/436 truck lock so their occupants depend on other areas for LN2 filling stations and gas yard areas.
* 18ID will have a contractor coming on site next Monday, March 8 for beamline work. Ashley is working on the WPC, JSA, WEC and will inform the FCs on shift next week.

Clay

* 433/434 truck lock: mock-up of 9ID-C grand tube delivery and installation occurred today. Determined the maximum size of the cylinder pieces would be 5m.
* Please continue to check the LBB warming blanket GFCI no matter if the outside temp is above freezing or not. Please continue to stress to the MCR that this should continue during the overnight shifts.

Matt

* Continuing to shadow the on shift FCs
* On site Tuesday-Friday and have been trained in eyewashes, let him know if he can assist as needed.

Katy

* Continuing to shadow the on shift FCs
* Have walked through 431 with Bruno on a mock LSI, plan to do the 431 LSI for March with Bruno on standby if questions.

Steve

* LNDS Module D work will be done next Monday and Tuesday, March 8-9. In touch with Andy Stevens and mod D beamlines to confirm the work.

Liz

* DCS TYSSR was last week; went well
* HP-CAT TYSSR is scheduled for March 16th
* NE-CAT due for TYSSR in April; will schedule within the next week or so

**EFOG Presence onsite: 03/01/2021-3/07/2021**

Mon-Tues and Thurs-Fri FC1: John; FC2: Ashley

W: John; FC2: Shane

M-F Evenings: Steve

Weekend: Bruno

Weekend OC: John

FC Vacation/DORs: Bruno 3/1/21

**FC New Hires: Contact info on previous EFOG turnover notes.**

Email went out last week to Resident Beamline Staff to announce the two new hires.

**Schedules/Off-Shift and DORs**

* When taking time off please use DORs first before vacation unless you are maxed out in vacation.

[FC 2021-Schedule](https://www.aps.anl.gov/User-Environmental-Safety-Health/FC-Schedule)

[Off-Shift Schedule](https://www.aps.anl.gov/User-Environmental-Safety-Health/Off-Shift-Schedule)

[DOR Calendar](https://www.aps.anl.gov/User-Environmental-Safety-Health/DOR-Schedule)

**Things to look out for this week**

* Monday evening, Thursday evening, Saturday – print out the ESAF table in Shift Log and verify it matches the cabinets/EHCPs. Preferred to ask beamline personnel what has ended but if no one is available use the end time on the ESAF.
* Proximity badges: [www.instant-trace.com](http://www.instant-trace.com/) Complete a download of your data each day when you are on site. If you are not on site it is recommended to turn off the device. Downloading the data can be done by phone app
* COVID Testing: Tuesday: Clay, Steve and John

Wednesday: Wendy, Liz, Shane, Bruno, Ashley, Matt and Katy

Reminder that personnel are only contacted if COVID test results are POSITIVE. “No news is good news”

* Verify power is being supplied to the LBB warming blanket by checking the GFCI outlet in the 435 truck lock during day. MCR will check overnight hours.
  + The GREEN light on the GFCI should be lit. If the GFCI LED is off, please reset. If the green light does NOT reset, please contact Power Construction superintendent, Ron Holz (847.343.5810). If you do reset the GFCI successfully, please log this event.
  + This will continue until concrete is poured in the area by end of this week.
* Complete Dayforce by Friday at Noon.
* 5-ID-A has portable O2 monitor on hutch door: check for O2 levels and battery
* Eyewashes/LSI. Eyewashes are due weekly and LSI are due at the end of the month. Spreadsheet added to BOX. Please update when you complete eye wash or LSI <https://anl.box.com/s/pfm7kyyzmbyq8oiymt1h8i2ckacvy4kw>

**Events from last week**

* 2/22 water leak inside the storage ring at sectors 9/10

**Ongoing work on experimental floor - RSS**

* None over the last week
* Three jobs today: Leaking water hose at 4ID-B, switching PSS power to UPS outlets at 15ID, throttling down water flow of component at 3ID. John and Ashley can provide further detail

**Ongoing work on experimental floor - Other**

* **7ID-C** has an apparently miswired 3-phase receptacle on the downstream wall. Investigation by FAC showed identical receptacle part number and wiring as the adjacent 3-phase outlet, yet a meter still shows voltage from neutral to ground. The circuit is LOTOed until further investigation can be made by locking out the affected service panel to investigate wiring at the panel and the existing breaker. One possibility is a damaged breaker, as this circuit was involved in an arc flash incident in June of 2019. The outlet was replaced at that time, but not the breaker. Bruno to schedule repairs with Ray Z on March 8. For March 8th, FAC(FMS) is scheduled to perform repairs to the outlet and

run completely new wiring from the outlet to the circuit breaker.

* Mockup of the 9ID Grand Tube is being moved about in the 433/434 truck lock today as a proof-of-concept for future parts delivery. The tube will come in sections, but final installation will be ~20m long and 3m in diameter. More detail on the 9ID Grand Tube Mockup exercise: The interference is short term (less than ½ day), scheduled for today Monday. Ray Ziegler and his team, plan to start assembly around 10am(very little disruption), he also will start the "move" around 12 noon. All-in-all this exercise should end around 2:30pm. Ron Moore is working to notify custodial of their presence which should be minimal. Their should be no interference to the LN2 Fill-Stations and personnel rolling their gas cylinders to and from the gas yard. Also when the mock-up is ready to be moved, it will take very few minutes and will have spotters on either side to notify personnel of their movements. Furthermore, Clay went down to personally talk to personnel at 12-ID, 13-BM and 13-ID concerning this activity.
* Sector 7 Vacuum Exhaust System Installation (possibly spanning the duration of 6 weeks):

This is work that we should be aware of going on in sector 6 and 7BM in the upcoming weeks. Per a meeting held on the floor, last Friday, from the 432 truck-lock to sector 6, installation of the system is targeted for today Monday (3/1/21). Limited disruption will occur at the 432 truck-lock. Ron is working to notify custodial and the delivery services of the partial closure of the 432 truck-lock. FC notified Sec. 5, 6, 7 to discuss the scope of this sec. 7 exhaust/piping work and show them how it may affect their area and the 432 truck-lock. Consequently, 200 feet of 6 inch dia. stainless steel, welded pipe will be run overhead from the top of 7-BM across the 6-ID-B work areas then over and above the 6-ID-C work area to then turn and penetrate the Mechanical Mezzanine wall, at that point, it will be connected to 2 vacuum pumps stationed inside of the Mechanical Mezzanine. Ron and the Scheck contractor will be working to make sure that the proper areas are cordoned off and controlled and the 432 truck-lock will have a welding curtain partition, installed, behind which will be the welding and assembly area for the Scheck contractor workers. Expect 3 or so scissor lifts on the floor stationed at different locations between 7-BM and sec. 6 and close to the main aisle at times. Also be aware of lifts carrying personnel and other equipment and parts moving up and down the main aisle from the 432 truck-lock to the construction area between 7-BM and sec. 6.

**Completed Repairs and Work**

* **Power Sag Events**
  + See notes under Ops for further information
* 2ID-D routine door maintenance completed, 2/22. MOM identified issue with manual door, overhead latch pin will not engage, seems there's something wrong with the spring. This has probably been this way for some time. It does not inhibit the door function but should be addressed. Asked MOM to look into what a repair would entail.

**28-ID IDEA Status**

* Shielding verification- request for March 10
* Problem with newly installed shutter in the A station may cause delay to PSS validation therefore delaying shielding verification.

**25-ID ASL Status**

* Some enclosure part mistakenly not shipped, construction paused. New shipment around March 1.
* Caratelli set to restart work this week.

**LBB Construction Update**

* **Activities This Week:** Concrete pouring. Footing and other foundation work. Interior conduit work in Mech Mezz. Trailer hook-ups starting.
* **Items to Keep an Eye on:**  If mail issues are reported to FC, please let Shane and Ashley know.
* **Looking Ahead:** *March*-coring in 436 near vending machines for power conduit. Conduit also run through 436 B095 ceiling to connection point. *During April/May shutdown*-Heavy vibration work planned. An opening in the Mech. Mezz wall near Sector 20 will need to be installed in order to fit equipment too big to fit through hatch. After next shutdown, expect heavier contractor presence in experiment hall. *Beyond*-Module C new install/2nd LN2 shutdown-possible in August shutdown. New Mod C tank will be 11,000 gallons (up from 9000). IT cables will need to be run from 435 IT closet to LBB. Planned for August shutdown, but scoping best path will take place within the month.
* **Vibration:** Working group has been formed, S. Vogt, G. Srajer, Mohan, C. White, M. Capel, and J. Chrzas Weekly meeting with the 4 beamlines, some FCs are invited hosted by Mohan to keep them up to date on vibration and construction issues. (Friday 2pm)
  + New tools have been developed to communicate with beamlines, including a live vibration monitoring page (<https://ops.aps.anl.gov/VMS/VMS.html>) and email list ([lbb\_construction\_info@aps.anl.gov](mailto:lbb_construction_info@aps.anl.gov)).
* **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>

**ESAFs:** When posting commissioning ESAFs please put note in comment section that these are for whole run and list the end date. Spreadsheet can be found in [BOX](https://anl.app.box.com/file/748208236958)

**Experiments of Note**

* Limited Operations+ with approved ANL onsite users and some external users with PSC ALD and DOE ASO approval
  + No plans for change in operation status until after 2021-1 run
* Current Run: 2021-1 Run
* All risk level work, except Rad, Explosives and BSL2 unless it is mission critical. Most experiments are mail-in or remote.

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 received both PSC ALD and DOE ASO approval.

**Experiments Running 03/01/2021 - 03/08/2021**

**High Risk Experiments:**

* ESAF 236119 at 16-BM-D. Hyunchae Cynn and Bruce Baer from LLNL onsite at APS. Start 3/2/2021. End 3/4/2021. (Radioactive Samples)

**All Other Experiments (NOT High Risk):**

* ESAF 237462 at 33-ID-D. Peng Yang and Sang Soo Lee from CSE onsite at APS. Start 3/1/2021. End 3/8/2021.
* ESAF 237632 at 16-ID-E. Sang Soo Lee from CSE onsite at APS. Start 3/1/2021. End 3/3/2021.
* ESAF 237376 at 7-ID-D. Chris Otolski and Gilles Doumy from CSE onsite at APS. Start 3/2/2021. End 3/8/2021.
* ESAF 237204 at 14-ID-B. Zhong Ren from UIC onsite at APS. Start 3/2/2021. End 3/8/2021.
* ESAF 238156 at 33-BM-C. Yan Li from MSD onsite at APS. Start 3/2/2021. End 3/8/2021.
* ESAF 238086 at 7-BM-B. Coling Banyon and Robert Tranter from CSE onsite at APS. Start 3/2/2021. End 3/6/2021.
* ESAF 237460 at 10-ID-B. Jeremy Kropf and Evan Wegnener from CSE onsite at APS. Start 3/2/2021. End 03/04/2021.
* ESAF 237464 at 33-ID-D. Sang Soo Lee and Tom Sobyra from CSE onsite at APS. Start 3/2/2021. End 3/8/2021.
* ESAF 237471 at 33-ID-D. Paul Fenter and Sang Soo Lee from CSE onsite at APS. Start 3/2/2021. End 3/8/2021.
* ESAF 237472 at 33-ID-D. Tim Fister from CSE onsite at APS. Start 3/2/2021. End 3/8/2021.
* ESAF 237896 at 10-ID-B. Debbie Myers and Evan Wegener from CSE onsite at APS. Start 3/2/2021. End 3/3/2021.
* ESAF 237617 at 11-ID-B. Xiang He and Emily Sprague-Klein from CSE onsite at APS. Start 3/2/2021. End 03/04/2021.
* ESAF 237456 at 2-ID-E. Ben Twining from Bigelow Lab for Ocean Sciences and Daniel Ohnemus from the University of Georgia onsite at the APS. Start 3/3/2021. End 3/8/2021.
* ESAF 238212 at 12-BM-B. Ahmet Uysal and Srikanth Nayak from CSE onsite at APS. Start 3/3/2021. End 3/6/2021.
* ESAF 237829 at 1-ID-E. Laura Jamison and Yinbin Miao from CFC onsite at APS. Start 3/5/2021. End 3/5/2021.

**Long Duration Lab ESAFs:**

* ESAF 235744 at 5-ID-C. Anusheela Das and Yanna Chen from Northwestern onsite at APS. Start 1/13/2021. End 4/22/2021. Experiment is long duration to address issues with the photoelectron detector. Northwestern users will be onsite at APS on machine studies days only.
* ESAF 236556 at Sector 33. Hui Cao and Xi Yun from MSD onsite at APS. Start 1/21/2021. End 4/21/2021. Experiment is long duration for MBE maintenance.
* ESAF 236936 at HP-CAT lab. Nilesh Salke and Ravhi Kumar from UIC onsite at APS. Start 2/1/2021. End 4/30/2021. UIC users will be onsite at APS on machine studies days only.
* ESAF 237240 at Sector 7. Chris Otolski and Gilles Doumy onsite from CSE at APS. Start 2/22/2021. End 4/22/2021.

**General Information to Pass Along**

* Hazardous Materials Shipping support now being provided by Caroline
* EFOG cage movement from 437 to 3-BM area is complete.
* PSC has an online suggestion box. Comments can be submitted anonymously. <https://inside.aps.anl.gov/internal/Suggestions-Box>
* ESH436 – Hoisting and Rigging – Bruno is a trainer
* New prescription safety glasses program with Eyelation

[**https://my.anl.gov/hew/covid-19-positive-cases-at-argonne**](https://my.anl.gov/hew/covid-19-positive-cases-at-argonne)

* Updated 02/26/2021, 219 cases to date
* COVID SME reviewed MCR and MOM tech areas: See previous EFOG Turnover notes for review
* COVID SME Review of 436: See previous EFOG turnover notes for review

**OPS/XSD GL/PSC Management/AES Leader Meeting**: **3/1/2021**

* 2 safety incidents this week. One was a pin prick injury by AES tech. Another was contractor received burns from the LBB concrete pouring (reportable incident)
* ASD: 2 lengthy downtimes 1. storage ring corrector (PS came in and swamp it) and Septum issues-not pulsing. (5 hours) 2. RF wave guide trip (5 hours) Total downtime 10 hours over the weekend
* AES: no major issues report. MOM group working on Septum issue
* CATs: Malcolm beam stability issues resolved last week But beam stability online request has issues.

**Long Term Work Status - APS Upgrade and other APS projects**

* 369 magnet acceptance and measurement activities are ongoing, increased demand happening there.
* 400A, Power supply testing continues, RF amplifier receipt inspection and testing to be done, tech currently quarantined.
* 314/400 EAA/MM1 permanent magnet undulator work is assembly of keepers with poles and magnets, along with revolvers being worked on and retrofit.
* 314 high bay, SCU work will be ongoing, core winding, SCU assembly/disassembly and testing, SCU tooling being done, Core epoxy potting planned for first pour to happen Monday or Tuesday
* 375 front-end receipt inspection (ongoing).
* 375 Plinth area cleanup by the MOM group removing the last of the grout is filler work
* 401 L-wing 2nd floor labs, Testing of the Liberia + boxes and BPM Electronics –testing is ongoing
* 981 build-out finishing up with shelving and roof access fix planned.
* 203, Physics, Mike Kelly is working on the bunch lengthening system nearing completion
* 382 component inspection, assembly and cleaning underway as time permits and materials arrive and weld test and development starting on Monday 2/1 in conjunction with John Z and Bill Toter, evaluated area for additional tech seating with IH.
* 28 ID – shielded transport completed and 25 ID Caratelli working, outdoor work mask compliance needs watching
* 413 Water Shed – expecting beneficial occupancy soon
* LBB – underground utilities and prep for foundation work, concrete plant installed
* EAA – Septum magnet setup and measurement ongoing all week. Matt Kasa is the guy. Magnet should be crated and shipped back to Fermilab on Friday.
* 437 LOM Clean-out prior to Lab build-out is ongoing but progressing well.