Present: Liz, Ashley, Clay, John, Bruce, Katy, Matt, Bruno

Nena

* See EFOG Turnover notes (below) for further details on Ops, LBB, Shutdown work, general info, etc.
* [**https://my.anl.gov/hew/covid-19-positive-cases-at-argonne**](https://my.anl.gov/hew/covid-19-positive-cases-at-argonne) Updated 03/12/2021, 223 cases to date
* COVID testing will remain weekly for the foreseeable future.
* 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)
* **Argonne Vaccination Program**
  + Approval has been granted but no timeline when this will occur as ANL does not have an adequate supply.
  + 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. Scheck) and contingent workers (CAT operation staff). Will not be open to family members
* **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.
* Rick Fenner would like to do a Spotlight on EFOG. He will reach out to each of you to set up a time for pictures.

Clay

* Mike Dwyer is no longer the APS rigging foreman. Rob Lange is the new APS rigging foreman and can be reached at 9149
* 10-ID has asked Bruno to calibrate their gas monitor

Ashley

* Please see LBB notes and Shutdown Planning notes

Liz

* HP-CAT TYSSR on 3/16 at 11am on BlueJeans

John

* Nothing beside information already covered in EFOG turnover notes (see below)

Bruce

* Looking at ESAFs and working with programmers on ESAF updates

Bruno

* We need to keep checking on the portable O2 monitor at 5-ID-A; keep checking for O2 level and battery level
* Will follow up on state of 432 Truck Lock

Katy

* With Matt reconciled ESAF table with postings in the cabinets and hutch doors
* Fall protection training this week on Wednesday
* QEW C&P this week on Thursday
* Onsite Tuesday and Friday

Matt

* Will complete Steve’s eyewashes this week
* Same training courses as Katy this week

**EFOG Presence onsite: 03/15/2021-3/21/2021**

Mon-Fri FC1: Ashley FC2: John

M-F Evenings: Bruno

Weekend: Wendy

Weekend OC: Ashley

FC Vacation/DORs: Steve Vac 3/15/21 - 3/23/21; Wendy Vac 3/15

**Things to look out for this week**

* Vaccine Town Hall 3/16/21 at 11am. See calendar for link
* HP-CAT TYSSR also scheduled 3/16/21 at 11am.
* Please check on Steve’s area (438) while he is on vacation. Eye Wash
* 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”

* Complete Dayforce by Friday at Noon.
* 5-ID-A has a portable O2 monitor on the hutch door: check for O2 levels and battery,

long vendor delays are requiring us to continue this periodic temp. O2 monitor check.

* 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**

* Beam instability issues reported upon startup on 3/10 (after fill pattern change)
  + 10ID reported substantial beam motion accompanied by unusual fluctuations in local beam current. L. Emery found that datapool was overdriving correction for sectors 2-10. He made changes that have improved the issue. He was unable to find any issues in the vertical plane. After that the instability at their sector is still present, but at a lower level that allowed them to conduct work. BL staff submitted a beamline stability complaint at 2110 on 3/10 to establish a record of the event. Further investigation revealed that part of the degradation in beam noticed at 10ID was due to overdriven correctors in sectors 2-10, which were fixed by L. Emery. This alone provided for usable beam at 10ID, though .
  + A problem was also discovered with the beam stability form. The character limit was too low and the submitter would not get an error message that their form did not go through the submittal process. Arvind increased the character limit to 1000 characters and that should solve the problem.
  + 1ID (downstream, SCU branch): reported vertical motion. Operations suspended datapool orbit correction for two minutes while staff at 1ID was observing, but did not observe any change to beam signature.

**Ongoing work on experimental floor - RSS**

* None over the last week.

**Ongoing work on experimental floor – Other**

* **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, on Friday 2/26/21, from the 432 truck-lock to sector 6, installation of the system is targeted for 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, 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..........

**UPDATE**: The work appears to be complete over all affected beamline experimental work-station areas between 7BM and 6ID thus eliminating the overhead hassle of

scissor lifts and equipment, for now. I have mentioned to Dennis Moldenhauer (Scheck)

that his workers accomplished this at an incredible pace. Furthermore, a follow-up on a leaking checking schedule for this vacuum exhaust line should be addressed. --- Bruno

* **Sector 5** -- Upgrade to be done in preparation for the “dark period” Shutdown**:**  running gas cabinet stainless steel lines, at sector 5, from the top of the gas cabinet upstream of 5IDB to the 5BMB hutch to a manifold mounted on the inside wall of 5BMB, accessed through a 5BMB roof labyrinth. Presently, it is being determined whether this work can be done by the MOM Group or default to Scheck. --- Bruno
* Sector 9ID B - Evan Maxey wants to install and inspect equipment fans for his LN2 system. Paul Rossi has been notified.
* Sector 16ID E – A guard rail is being installed on the roof of the E station. Work on the railings will take place over the next 2-3 Mondays, and then again a few weeks later when the stairs from the D station roof to E come in. The aisle between 16ID and 17BM will be blocked off while work is going on. No control area access to 17-BM will be blocked off. There will be an area roped off on the floor, where material will be kept, and where they'll be doing some band saw cutting, but there will be plenty of walkway available for egress. JM

**Completed Repairs and Work**

* 7ID-C mis-wired 3-phase receptacle has been repaired.

**28-ID IDEA Status**

* Problem with newly installed shutter in the A station may cause delay to PSS validation therefore delaying shielding verification. Wendy sent out an email with more details and will continue to update the group as things evolve.
* The shutter pin for the shutter in A was returned from Central Shops but not yet installed. Survey and Alignment continues to work in A and B and stated on Friday they need another full week for 28ID-A.
* Shielding Verification will NOT occur this week.

**25-ID ASL Status**

* Some enclosure part mistakenly not shipped, construction paused. New shipment around March 17.
* Caratelli set to restart work this week.
* Update from Shane 3/15: Caratelli arrived in town last week for a minimum 3 day quarantine. Pierick COVID tested today. Pascal's 593 was approved mid morning so he should be scheduled for a test this afternoon. Following negative results, both should be on site tomorrow.
* Three empty containers are getting picked up tomorrow. Still waiting on logistics company to report delivery day for five new ones.

**LBB Construction Update**

* **Activities This Week:** Cellular concrete pours,Power trailer move-in, footing installation, plumbing and drain tile installation.
* **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. (Spot identified is just upstream of col. 124). 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>

**April/May Shutdown Planning (from 3/10/21 meeting)**

* G. Pile stressed to get work in EARLY
  + Lots of work planned
  + MOM group and Rigging in particular are in high demand
  + Lots of coordination needed around other projects/spaces
* **Extensive Power Disruptions Planned**
  + Power will need to be shutdown to repair/replace damaged fire system near super doors A and B.
    - If only minor issues found: Power shutdown will affect Sectors 2-12 normal power top of tunnel, Sectors 1-11 normal power, LOM 431, 432, 433, and 400A normal power.
    - If moderate issues found: Additional power shutdowns will affect Sector 13-24 normal power top of tunnel, Sectors 12-23 normal power, LOM 434, 435, and 436 normal power.
    - If major issues found: Additional power shutdowns will affect Sectors 25-26 normal power top of tunnel, Sectors 24-35 normal power, and LOM 437 and 438 normal power
    - Emergency power will not be affected.
    - Utilities powered by normal power will go down (some water, AC)
  + If super door A and B work completed concurrently, work is planned to take 1 week. If work is completed sequentially, work will take 2 weeks. Planned start date is currently April 23rd
  + Possible shutdown of EP to perform generator tie in--details to come
  + **MOM group has asked beamlines request drop locations well before the shutdown. Due to how extensive the power shutdown is, more cords may need to be procured.**
* 9BM focusing mirror installation
  + tentatively planned to start after tunnel close
  + Work planned to last ~2 weeks (beamline aware and ok with losing beamtime)
  + Will require support from numerous groups (MOM mech, Vac, SA, Riggers)
* Wall collimator removals at 15BM, 18BM, 21BM Meeting on 3/16/21 to discuss: Wendy and Clay will attend
  + Outside contractor performing removal
  + FE tables (if applicable) will need to come out beforehand.
    - Coordination between Operations and APS-U to determine who will physically do this. May be used as a training opportunity for new APS-U techs
* FEEPS upgrades
  + Aiming to complete 10ID and 11ID
  + If approved overtime/weekends, will plan to complete 12ID, 13ID, or more
* FE alignment crew will be re-fiducializing PS1 in BM front ends.
  + S&A will need to move/actuate shutter
  + CCWPS needed
  + Specific details to come
* ID group will be swapping IDs at 14, 18, and 27
* Another Mod D shutdown is needed (Sectors 28-35)
  + Work could not be completed during 3/8 shutdown
  + Planning a longer (~48 hr) shutdown to install valve

**General Information to Pass Along**

* 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)

* PSC has an online suggestion box. Comments can be submitted anonymously. <https://inside.aps.anl.gov/internal/Suggestions-Box>
* New prescription safety glasses program with Eyelation
* COVID SME reviewed 436 FC Office, MCR, and MOM tech areas: See previous EFOG Turnover notes for review
* Hazardous Materials Shipping support now being provided by Caroline
* ESH436 – Hoisting and Rigging – Bruno is a trainer

**OPS/XSD GL/PSC Management/AES Leader Meeting**: **3/15/2021**

* No safety issues to report
* Randy: Few routine faults.
* AES: Fire main repair to occur during shutdown: Repair near Super door A and B; more info to give at CAT Q&A this Wednesday
* ASD: Sector 24 Beam Stability issues. Software changed so next update will keep the new changes in place so issue should not occur again
* XSD: no real issues
* Users: no real issues. Shout out to 1-ID staff from this past weekend help to experimenters
* LBB update: Foundation wall pouring will start this week. Prepping for LN2 pad this week as well.
* APSU: material acceptance ramping up in 981
* Ron Tollner: Facilities, infield tank relocation for APS U is scheduled for 3/25
* Denny Mills/User Office: SAC meeting this week

**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 03/15/2021 - 03/22/2021**

**High Risk Experiments:**

* ESAF 237258 at 11-BM-B. LLNL users mailing samples for 11-BM staff to run. Start 3/18/2021. End 3/19/2021. (Radioactive Samples)
* ESAF 238093 at 13-BM-C. LANL users mailing samples for 13-BM staff to run. Start 3/19/2021. End 3/22/2021. (Radioactive Samples)

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

* ESAF 237276 at 1-ID-E. Lianghua Xiong from AMD onsite at APS. Start 3/8/2021. End 3/22/2021.
* ESAF 236769 at 29-ID-C. Xi Yan from MSD onsite at APS. Start 3/12/2021. End 3/31/2021.
* ESAF 238095 at 10-BM-B. Jeremy Kropf and Evan Wegener from CSE onsite at APS. Start 3/14/2021. End 3/18/2021.
* ESAF 238767 at 10-ID-B. Shelly Kelly from UOP onsite at APS. Start 3/15/2021. End 3/18/2021.
* ESAF 238386 at 30-ID-B,C. Xun Jia and Yue Cao from MSD onsite at APS. Start 3/16/2021. End 3/22/2021.
* ESAF 238271 at 34-ID-C. Travis Frazer and Yue Cao from MSD onsite at APS. Start 3/16/2021. End 3/22/2021.
* ESAF 238790 at 33-BM-C. Travis Douglas and Sangjun Yoo from Northwestern onsite at APS. Start 3/16/2021. End 3/22/2021.
* ESAF 238841 at 12-ID-B. Ahmet Uysal and Srikanth Nayak from CSE onsite at APS. Start 3/17/2021. End 3/18/2021.
* ESAF 238925 at 12-BM-B. Jihyeon Gim from CSE onsite at APS. Start 3/17/2021. End 3/18/2021.
* ESAF 238483 at 10-BM-B. Tim Fister and Thomas Sobyra from CSE onsite at APS. Start 3/18/2021. End 3/22/2021.
* ESAF 238091 at 10-BM-B. Jeremy Kropf and Evan Wegener from CSE onsite at APS. Start 3/18/2021. End 3/22/2021.
* ESAF 238092 at 10-BM-B. Jeremy Kropf and Evan Wegener from CSE onsite at APS. Start 3/18/2021. End 3/22/2021.
* ESAF 238494 at 12-ID-C. Nora Buggy and ChulOong Kim from Colorado School of Mines onsite at APS. Start 3/19/2021. End 3/22/2021.
* ESAF 237816 at Sector 1 (non-xray). Laura Jamison and Yinbin Miao from CFC onsite at APS. Start 3/19/2021. End 3/19/2021.
* ESAF 238447 at 32-ID-B,C. Mark Wolfman and Tim Fister from CSE onsite at APS. Start 3/20/2021. End 3/29/2021.

**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.

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

* 369 magnet acceptance and measurement activities are ongoing, increased demand
* 400A, Power supply testing continues, RF amplifier receipt inspection and testing to be done moved to 412
* 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, SCU assembly into cryo-stat possibly next week, Core winding and epoxy potting ongoing
* 375 front-end receipt inspection (ongoing).
* 375 materials moving to 981 to make room for mock-up installation
* 401 L-wing 2nd floor labs, Testing of the Liberia + boxes and BPM Electronics –testing is ongoing
* 981 racking, setup of other processes, 1st Plinth delivery week of 3/15, test assembly and transportation.
* 203, Physics, Mike Kelly is working on the bunch lengthening system nearing completion
* 382 component inspection, L-Bend welding
* 28 ID – PSS installation in progress – expect radiation acceptance ~ 3/17
* 5 additional containers expected to be delivered week of 3/15 – for Sector 25
* LBB – concrete work continuing, dirt work continuing
* 437 LOM Clean-out prior to Lab build-out is ongoing nearing completion.
* Excavation for He tanks outside corridor connecting 420-412 expected 3/8-3/9, tank move 3/29
* Hipot testing of Septum in Storage Ring scheduled for Monday 3/8