**Facilities/Experiment Status-**

* Limited Operation + has been approved with ANL onsite Users
* All operational beamlines except 28-ID have shutter enable.
* NON-APS Argonne Users are allowed onsite with DOE-ASO approval
* All risk level work, except Rad, Explosives and BSL2 unless it is mission critical. Mainly Mail-In/Remote

**EFOG Presence onsite: 12/14-12/20**

M to F: FC1: Bruno; FC2: John FC3: Steve

FC Weekend: John on Call

Bruno Vacation-12/15

Winter break: Please complete your dayforce for winter break by 12/18. This will include what you will be using 12/28, 12/29, 12/30. Also, if you are planning to take time off the first week of Jan please let me know

**FC Interview Process:** In the process of initial screen of 5 candidates. (8 were contacted and only 5 responded) Of the initial interviews, all have been completed. I have asked the group to interview Katy Green, Matt Spilker, Isaiah Davis. Isaiah Davis: Monday, 12/14:11am

**Experiments of Note**

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 12/14/2020 - 12/17/2020:

High Risk Experiments (all have radioactive materials):

* ESAF 233034 at 16-ID-B. Magnus Lipp and Zsolt Jenei onsite from LLNL at APS. Start 12/14/2020. End 12/17/2020.
* ESAF 234058 at 16-BM-D. Hyunchae Cynn onsite from LLNL at APS. Start 12/14/2020. End 12/17/2020.
* ESAF 234684 at 13-ID-C. Joanne Stubbs running samples for Jason Baker from LANL. Start 12/25/2020. End 12/17/2020.

All Other Experiments (NOT high risk);

* ESAF 233568 at 7-ID no x-ray ESAF. Chris Otolski and Gilles Doumy from CSE onsite at APS. Start 11/9/2020. End 12/18/2020.
* ESAF 233707 at 10-ID-B. Shelly Kelly external user from UOP onsite at APS. Start 11/20/2020. End 12/17/2020.
* ESAF 232373 at 7-BM-B. Chris Powell and Brandon Sforzo from ES onsite at APS. Start 11/30/2020. End 12/17/2020.
* ESAF 233809 at 14-ID-B. Zhong Ren and Xizojing Yang external users from UIC onsite at APS. Start 12/8/2020. End 12/17/2020.
* ESAF 215117 at 8-ID-I. Dina Sheyfer and Michael Servis from MSD onsite at APS. Start 12/12/2020. End 12/17/2020.
* ESAF 234416 at 30-ID-B,C. Xun Jian and Yue Cao from MSD onsite at APS. Start 12/12/2020. End 12/17/2020.
* ESAF 233710 at 6-ID-D. Matthew Krogstad and Stephan Rosenkranz from MSD onsite at APS. Start 12/14/2020. End 12/17/2020.
* ESAF 234987 at Sector 7 lab D030. Chris Powell from ES onsite at APS. Start 12/14/2020. End 12/23/2020.
* ESAF 233708 at 10-ID-B. Shelly Kelly external user from UOP onsite at APS. Start 12/16/2020. End 12/17/2020.
* ESAF 233766 at 12-ID-D. Sam Marks external user from University of Wisconsin Madison onsite at APS. Start 12/11/2020. End 12/17/2020.

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

* 5-IDA has portable O2 monitor on hutch door: check for O2 levels and battery
* 10-ID-B has the MSA multi-gas monitor which may be nuisance alarming even though the CO sensor has been removed (which was the original alarm problem). Please check with beamline to see if there are any issues.
* Eyewashes/LSI. 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
* FC: please verify Beamtime Report emails and close ESAFs that are completed either by email or by checking with the beamline personnel. We should try to manage this through the week.

**\*\*\*\*Ongoing work on experimental floor-RSS**

**\*\*\*\*Ongoing work on experimental floor-Other**

* 1ID-A water leak repair-On Sat, a water leak stemming from a cooling loop on a filter assembly (non-RSS) inside 1ID-A was discovered. Repair options are being evaluated between A. Mashayehki, Central Shops, MOM-Water, and MOM-Vac.
* 28 ID and 25 ID work has started, Stevenson installing shielded transport, additional Caratelli containers arrived and stored.
* 28 ID primarily Survey and Alignment work.

**Completed Repairs and Work**

* 9BM Door 1 opened with beam in Station A trip that dumped beam- Slow door open response and a shutter open script caused Door 1 at 9BM-A to open while station was taking beam. While this appears to be an isolated event, MOM-Vac will be contacted about adjusting door open timing.
* 2-ID Phase 3 Shielding verification (2ID-E and 2ID-D) completed on 12/4. 2ID is now fully operational, no ARs remain.

**LBB Construction Update:**

* (LBB) construction activity may create vibration in the area. On 12/7 (machine studies), the construction crew plans to demo the old LN2 pad in the 435/436 gas yard and begin saw-cutting/removal of concrete and enclosure demo in the 435/436 gas yard. Saw cutting/concrete removal and enclosure demo of the 435/436 will last the remainder of the week. The hauling away of the concrete does cause some vibration.
* (LBB Work) LN2 connection will cause a shutdown of Module C for a few hours. (1st shutdown around on one of these days 12/21,22,23, it will be 8 hours)
* (LBB Work) 12/28 and 12/29 shutdown of 436 water and sewer lines
* (LBB Work) Trenching outside of E pentagon in January timeframe
* Long Beamline Building (LBB) - Ramanathan - They had told contractors that Mondays were better for vibration-related activities. Typically contractors work from 7:00 a.m. - 3:30 p.m. **Power Construction** is the contractor. They are using the 436 conference room as a base until trailers can be installed. Liquid nitrogen shutdown and electrical, CW, PW,CA, and DN2 shutdowns planned to start during Dec/Jan shutdown. LBB updates can be found at <https://www.aps.anl.gov/Machine-Status/Construction-Schedule/long-beamline-building-construction-schedule>

**General Information to Pass Along**

* Check your QEW status and schedule practical as soon as possible as the 6 month extension is set to expire. QEW1 & 2 Practical training - OHS Qualification Tracker - <https://anl.app.box.com/file/731768758383>
* CPR & FA training now available onsite – register in TMS
* EFOG cage movement from 437 to 3-BM area has been delayed. Now have until the end of Jan to move. 3-BM area is still not cleared for us yet.
* New FC Web request page. Any issues please let Shane know. <https://www.aps.anl.gov/form/esaf>
* Facility inspections need to be completed – (Only ESH coordinator). Schedule added to UES calendar
* Anti-Fog safety glasses – supply available in Mike Fries Office
* Housekeeping around ring still an issue regarding boxes, materials, etc.
* Increase vigilance on keeping people separated –.Thorough reviews of close contact work – AVOID if possible, stagger work evolutions, etc.
* Connolly: Will stay in Limited OPS+ at least until end of calendar year. Limited personnel on site.
* Routine covid testing for the people onsite starting Dec 1 and continue to Jan 26. So far only 4 confirmed positive from these testing
* Wearable contract tracing pilot: [www.instant-trace.com](http://www.instant-trace.com/) expecting hardware delivery from a vendor in Michigan and anticipating receipt early next week. Configuration is simple once hardware is received. Every member of the MOM/VAC group will be outfitted with a wearable device as part of the pilot. Mom group has started on Thursday. So far use and download is simple
* PSC has an online suggestion box. Comments can be submitted anonymously. <https://inside.aps.anl.gov/internal/Suggestions-Box>
* Off-hours custodial should be contacted at 4-1001. If no response is received, contact Dave Kazenko or Virginia Brown.
* A new Wiki page has been created to clear up any questions regarding how to deactivate ESAFs both when the reporting tool is used by the beamline, and when it isn’t. The page can be found here: https://wiki.aps.anl.gov/mis/index.php/MinSafePlus\_ESAF\_Deactivation#ESAF\_Deactivation\_When\_Beamlines\_Use\_the\_ESAF\_Beamtime\_Reporting\_Tool

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

* Updated 12/11/2020, 139 cases to date
* COVID SME reviewed MCR and MOM tech areas: Segregated into private work spaces for the two MCR operators. Each work space they can go unmasked and eat if only they are in the MCR. MCR must mask before someone enters. When entering the MCR please give them a second to don their mask. MOM techs. 10 in tech areas and distribute others in other workspaces. APS stock room has put up barriers but worker present still needs to wear a mask.

**OPS/XSD GL/PSC Management/AES Leader Meeting**:

* Solar Wind server/ Russian hacks. At this time it doesn’t look like the 2 solar wind servers at the APS have been compromised. Working with security and IT to continue monitoring. Potentially could impact our networking switches...etc. This is reportable to DOE.
* The Lab is attempting to a get a second type of test - saliva testing – available onsite from the University of Illinois at Urbana-Champaign. Saliva testing affords: (1) quicker turn-around time for test results, frequently 8 hours or less (if certified lab is available); (2) cost per test is ~1/3 cheaper than negotiated nasal swab PCR test cost; and (3) lower cost of administration. The target date of having saliva testing onsite is January 4. University of Illinois needs Emergency Use Authorization from the FDA, and contractual negotiations are underway, as Argonne will be the first application of this test outside of the UIUC campus. The authorization from FDA was not granted so there will now be a delay as they try a different route. A testing laboratory must also be certified. Early January is now the best case scenario, but considered low probability. Nevertheless, saliva testing is intended to be the Lab’s primary means of screening as soon as it becomes available, with nasal swab to be used as confirmation.
* Maintain a “light touch” on site with personnel and staffing. Only perform work that absolutely must be done, and with no more personnel than required.
* “Concerned” about vibration issues. A group including S. Vogt, G. Srajer, Mohan, C. White, M. Capel, and J. Chrzas to meet over the next week to discuss work scheduling, further vibration testing, and communication with BL staff. Vibration testing: Weekly meeting with the 4 beamlines, some FCs are invited hosted by Mohan to keep them up to date on vibration and construction issues.
* APS-U: The EAA is being cleaned out in prep for beam size monitor being installed as well as portions of the cyroplant for the bunch lengthening system. They are pushing out the MOM group, who will be moving to where the Power Systems group used to be in the EAA
* Steve Heald GL for SPC (Sector 20) is stepping down. He will still work part time for the 25-ID buildout. Replacement is in the works
* Jeff Collins has been appointed GL for the MED Group effective Dec 1
* Rossi: Fans are being looked at as a cause of virus spread. Fans may not be used on site without evaluation and approval. Fans bearing a green sticker have been evaluated and are approved for use.
* Winter warning. Look for salt buckets and beware of slip trips and falls.

**Shutdown Work Planning**

* **FC Post Run Checklist: https://anl.app.box.com/folder/124897231393**
* It has been requested that if work can be deferred to please defer it to the April/May shutdown. All work is assigned a priority 1 or 2. Priority 1 work will be scheduled for this shutdown, priority 2 will be either deferred or scheduled if time/resources allow.
* Automatic transfer switch testing will be done this shutdown.  More detailed schedule will be coming out soon, but this is planned for Monday, December 21.This will affect all emergency power; beamlines will have to either switch their cryo-pumps/cold rooms over to regular power if they do not want the interruption of power.
* \*\*If beamlines require cord drops for beamline equipment or LOM equipment (cold rooms, servers, low temp freezers) the MOM group would like cord drop requests BEFORE the shutdown.  When the schedule comes out please send out to your beamlines and make sure they understand the disruption to emergency power and if they need cords. Please check this Box folder that is constantly updated with IS-FAC work: <https://anl.box.com/s/othvwdus8bof23qxphd43ql0mhu0kccw>
* located off the SD website: <https://inside.aps.anl.gov/Machine-Status/Shutdown-Work-Planning>
* Tunnels are scheduled to open December 18th and close January 13th
* FE removal at 18BM: M. Erdmann reported this is priority 2 (could be and probably will be deferred to next shutdown)
* Greg Markovich will be continuing installation of power supply and network equipment racks for the upgrade. 50 installations are scheduled now. All UPS power throughout the ring will be impacted by the installation. On dates yet to be determined, “uninterruptible” power will be interrupted for a period of at least 4 hours for safe tie-in.
* PSS validations may be, once again, broken up into those done during shutdown and those scheduled early, on Machine Studies days. Keep your eyes open for validation WRQs, particularly since validations done on Machine Studies days mean greater FC involvement. **Validations required to be done by the end of the shutdown at: 1ID, 5ID, 8ID, 9BM, 10ID, 11BM, 13BM, 14BM, 22BM, 22ID, 23BM, 26ID, 28ID\*(might not be done), 29ID, 31ID, 32ID, 34ID and 35BM.**
* SI has requested additional involvement by the FCs to ensure beamline personnel understand the tight scheduling of the validations.  When the validation schedule is completed please reach out to your beamlines and get confirmation they are good with the validation times and make sure they move things out of the way (or do it for them) and they stay out of the way of the validators.
* Gas injection experiment changed to priority 2 and deferred to April/May shutdown.
* FAC will be doing utility installations for the LBB involving shutdowns of emergency power, LN2, process water, compressed air, and dry nitrogen. Affected sectors range from 18 to 27.  **\*Please see the IS/FAC Box folder for updates and when this work is scheduled. Andy will also send schedules to the FCs when they are finalized.  LN2 shutdown for sectors 18-27 expected to last about 3 days (scheduled Jan 4-8).  Process water shutdown affecting beamlines 20-23 and SR sectors 23-26 is tentatively scheduled for Monday, 12/21.** **Chilled water to 436 and from columns 121 to 135 will be shut down at the same time, as will compressed air and dry nitrogen in 436 and sectors 20 – 24 (confirm these locations). Emergency power from panel EDP-X1-6 to be LOTOed, date TBD, but likely in the same 12/21 – 12/23 time frame**
* BLEPS upgrades by G. Banks: currently scheduled at 6ID and 7BM.
* FE upgrades will continue on the ID lines for sectors 8, 9, 10, 11, 12, and 13.
* Sectors 8, 9 & 10 are priority 1, sectors 11, 12 & 13 are priority 2
* Possible new cryo system being installed at 6ID this shutdown.  This work has been deferred several times.  This would involve Scheck doing some electrical work, SI would need to upgrade cryo info in BLEPS.
* APS-IT doing some work at Sector 5 for Steve Weigand.  They will be on site when beamline personnel are not and plan to rope off their work areas to keep distance.
* Yokagawa reprogramming (updates to scaling factors) by SI and MOM-water.
* SR Sector 20 bakeout is a priority 1, will start either 12/21 or 1/4 (based on MOM availability).

Just to re-iterate, all work will be evaluated and prioritized for the shutdown.  If anything can be deferred it will be. Priority 1 work will be scheduled, priority 2 work will most likely be deferred.

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

* 369 magnet acceptance and measurement activities are ongoing
* Power supply testing continues in the EAA cage and in 400A with a new remote set up.
* 314/400 EAA/MM1 permanent magnet undulator work ongoing.
* 314 high bay, SCU work will be ongoing with some filler work being done due to staffing quarantine issues, core winding nearly done, grout pads being poured and potting -still waiting on grout.
* 315 demagnetizer troubleshooting and magnet knockdown are still possible, but not anticipated.
* 375 PAR shielding practice has been done for the installation, now the plan is to remove the panels that were put up, and repeat the process of installation, scheduling has not been set yet.
* 375 front-end receipt inspection (ongoing).
* 375 Plinth removal still evolving Awaiting on equipment, WCD and now staff availablilty.
* 401 L-wing 2nd floor labs, Testing of the Liberia + boxes and BPM Electronics –testing is ongoing.
* 412 RF amplifier work continues - no activity
* 981 build-out finishing up, beneficial occupancy granted.
* 203, Physics, Mike Kelly is working on the bunch lengthening system disassembly and then reassembly is ongoing. They're changing to a different harmonic cavity and may attempt to try and reassemble the unit and do additional testing of parts show up.
* 382 component inspection, assembly and cleaning underway and there was also bake out in progress with a split shift of 2 in the day, and 2 on nights.
* 28 ID and 25 ID work has started, Stevenson installing shielded transport, additional Caratelli containers (2) delivered using a truck mounted pivot hoist that worked very well. No ETA on resumption of work.
* 314 Water Shed construction-exterior walls completed.
* LBB – dirt work in full swing

The fire protection assessment was received. We have 25 high-hazard hutches. If a fire would develop in one of those hutches, it would be too high for us and would require a sprinkler. We will look at mitigating measures so we would not need sprinklers. In the meantime, we ask that they keep hutches closed when not occupied, which will help mitigate. See below for the list of hutches

Fire Protection High Risk Hutches

2BM-A

2ID-D

6ID-C

7ID-B

7ID-D

8ID-E

8ID-I

9ID-C

11ID-D

12ID-C

12ID-D

13BM-C

13BM-D

13ID-C

14ID-B

16ID-D

16ID-E

17BM-B

18ID-D

22ID-D

23ID-B

23ID-D

26ID-C

31ID-E

32ID-C

EFOG Meeting 12/14/2020

Present: Nena, Liz, Steve, Bruno, Shave, Bruce, John, Ashley, Clay, Wendy

Nena

* Please see EFOG Turnover Notes for details on Ops, etc.
* Deactivating ESAFs – Plan moving forward:
  + Need verification from BL regarding ESAF status before deactivating an ESAF
  + No Monday night sweep of the cabinets and hutches by FC
  + Instead Monday night person should go through the previous week’s beamtime reports to verify that no reports were missed and that there are not ESAFs posted that have had a beamtime report submitted for that ESAF
* Please look at the LSI and eyewash spreadsheet in box; help out others that will not be onsite and complete their areas; Please note on the spreadsheet when you have completed a task
* Please look at the FC Post Run Checklist
* Switchgear shutdowns affect everyone – MOM NEEDS TO KNOW ASAP WHERE CORD DROPS ARE NEEDED – please check in with your beamlines
* End to End test right before the tunnels close NOT at the same time as the PSS vals
* As of this morning, Clay has reviewed and approved all shutdown related WR in the system; All CCWPs are either fully released or are in workflow waiting for approval
* Clay has not printed any CCWPs
* Clay is listed as the Job Coordinator; it is up to the FCs to understand the work and post the CCWPs
* PLEASE LOOK AT THE CCWP SPREADSHEET IN BOX
* **THE FOLLOWING CCWPs MUST BE POSTED THIS WEEK: 2172695, 2172696, 2172692, 2172693, 2172694, 2172697, 2172819, 2172658**
* Ashley put a link to the box folder in the Dec/Jan shutdown chat in teams
  + PLEASE USE THE SPREADSHETS ASHLEY CREATED AND NOTE EACH TIME YOU COMPLETE ANY TASK SUCH AS COMPLETION OF A QEW WALK THROUGH OR CCCLs AND THEIR SIGNATURES, etc.
* Please use the online version to edit all documents in Box
* The LBB utility shutdown related work is also in Box
* FC schedule for shutdown has been updated online; Need FC here from 7/8am to 4pm during the week to support the technicians
* If you are not on shift but need to be onsite for specific work (LBB, etc.) that is allowed
* This week FCs to focus on CCWPs; Liz to focus on EAs and EHCPs
* THURSDAY, DECEMBER 17th 8AM – BRUNO DISABLE A STATIONS; THURSDAY, DECEMBER 17th 9AM – JOHN GLOBAL OFFLINES
* Please remember the PSS Vals are more than just opening MHs; doors must be open, vac pumps/electrical equipment needs to be moved out of the way; 15U panels must be accessible
* Will discuss 9-BM door situation in further detail at a later time; short version is that MOM has asked us in our spare time to go from station to station and listen for any leaks (hissing) on the emergency egress/pneumatic boxes on the outside of the stations