**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: 12/21-12/27**

M to W: FC1: Ashley; FC2: John

FC On Call-Ashley

Bruno Vacation-12/21-12/23

Steve Vacation- 12/21-12/23

Winter break: If you are planning to take time off the first week of Jan please let me know

**FC Interview Process:** Matthew Spilker and Katy Green have accepted the positions. Their start date will be 1/11/2021

Katy Green will be in 431 FC

Matthew Spilker will be in 436 FC pending Covid SME review

Keys, phones, and computers, and web cams hopefully will be ordered soon

**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 12/21/2020 - 01/25/2021:

High Risk Experiments:

* No High Risk Experiments

All Other Experiments (NOT high risk);

* ESAF 235624 at 35-ID-B. Michael Armstrong and Andrew Robinson from LLNL onsite at APS. Start 01/04/2021. End 01/15/2021.

\*\*\*\***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**

* **See shutdown CCWP sheet in Box**

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

* 28 ID and 25 ID work has started, Stevenson installing shielded transport, additional Caratelli containers arrived and stored.

**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 work is ramping up to take advantage of the Dec/Jan shutdown. Extensive exterior work is occurring, including installation of foundation supports and utility work.
* LNDS Module C shutdown will occur in 2 stages. 1st shutdown is 12/22 starting at 7:30am, lasting 8hrs. The second be during the spring or summer shutdown.
* (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.
* 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.

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 12/21/2020

Present: Nena, Liz, John, Bruce, Shane, Ashley, Wendy

Nena

* Please see EFOG Turnover Notes for details on Ops, etc.
* Please make sure all LSIs/eyewashes are completed and please note on the spreadsheet if you have completed any; Wendy has completed 431
	+ Spreadsheet has been moved to the EFOG Turnover Folder in Box: <https://anl.box.com/s/pfm7kyyzmbyq8oiymt1h8i2ckacvy4kw>
* OPS – not much to report from OPS meeting
* During the first two weeks of January, please completed all QEW walk throughs and CCCLs – do not leave these until right before the run starts as that is a busy time and incase anyone needs to take off for sick time, etc.

John

* Started calibrating the oxygen monitors
* Posting of shutdown CCWPs last week went well
* Will touch base with Clay regarding the pneumatic door box hissing noises

Liz

* Please see the Experiments of Note section at the beginning of the turnover notes; LLNL experimenters will be onsite at 35-ID-B to perform maintenance on a laser; expected start date 01/04/2021
* If you have any EAs and Checklists please put them in the mailboxes on Liz’s door; would like to scan these into ICMS by mid-January
* Cleanup of the ESAF Table in Shift Log went well; nothing outstanding at the moment; will deactivate all experiments ending on 12/31/2020 during the first week in January

Ashley

* LBB utility work in progress; dry N2 is done; compressed air is almost done
* Tuesday is the start of the module C shutdown; starting at 7:30am
* Emergency Power Panel Shutdown is scheduled for Wednesday
* BLEPS HMI at 17-BM did not come back; Greg Banks has put in a work request to replace this
* Will contact Andy Stevens about Sector 25 laser clean room of increased temperature and decreasing humidity before putting in a vector request
* Clay will put in the CCWP Tuesday morning for the 6-ID cryo platform work
* Next week other utilities that will be affected: all water in the 436 LOM and water, sewer, and gas at APCF
* Twenty questions of 2020 quiz break on Tuesday at 2pm on Microsoft Teams

Shane

* COVID SME coming to 436 FC Office later today to discuss having 2 people in that office
* Working on setting up equipment for the new FCs
* For the LBB; soil is either being hauled offsite this week or is being taken to another location onsite; this is causing increased truck traffic
* Demo of the old SER-CAT LOM space scheduled to start next week

Bruce

* Entered last three experiments into the Rad Sample Containment Catalog File

Wendy

* Working on phone requests for the new FCs