**Facilities/Experiment Status-**

* Limited Operation + has been approved with ANL onsite Users
* All sectors except 2-ID and 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: 11/30-12/6**

Monday-Friday, 11/30: FC1: John; FC2: Ashley; FC3: Clay

FC Weekend: John

Vacation/DOR-11/30-12/4

Nena Vacation 11/30-12/4

Bruno Fieramosca Vacation-11/30 and 12/1

**FC Interview Process:** In the process of initial screen of 5 candidates. (8 were contacted and only 5 responded) Of the initial interviews, 3 have been completed and 2 are set for this week. Of the three completed I asked APSHR to schedule Katy Green and Matthew Spilker with the group. JoAnne will send a Blue Jeans invite to the group for next week. Please review their resumes and we can discuss format next week.
Katy Green: Tuesday, 12/8: 10am

Matt Spilker: Wednesday, 12/9: 9am

  **Experiments of Note**

No experiments listed below are high risk.

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 11/30/2020 - 12/7/2020:

* 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 233424 at 32-ID-B,C. YoungJae Kim and SangSoo Lee from CSE onsite at APS. Start 11/19/2020. End 11/30/2020.
* ESAF 233707 at 10-ID-B. Shelly Kelly external user from UOP onsite at APS. Start 11/20/2020. End 12/17/2020.
* ESAF 233790 at 7-ID-C. Jian Zhou from NST onsite at APS. Start 11/24/2020. End 12/14/2020.
* ESAF 232542 at 32-ID-B,C. Mark Wolfman from CSE onsite at APS. Start 11/27/2020. End 11/30/2020.
* ESAF 234182 at 26-ID-C. Tao Zhou from NST onsite at APS. Start 11/27/2020. End 12/3/2020.
* ESAF 233347 at 6-ID-D. Matthew Krogstad and Puspa Upreti from MSD onsite at APS. Start 11/29/2020. End 12/1/2020.
* 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 233396 at 6-ID-D. Matthew Krogstad and Stephan Rosenkranz from MDS onsite at APS. Start 12/1/2020. End 12/7/2020.
* ESAF 234349 at 7-ID-D. Chris Otolski and Gilles Doumy from CSE onsite at APS. Start 12/2/2020. End 12/7/2020.
* ESAF 234217 at 12-ID-D. Jeffrey Eastman and Matthew Highland from MSD onsite at APS. Start 12/2/2020. End 12/4/2020.
* ESAF 231545 at 7-BM-B. Chris Powell and Brandon Sforzo from ES onsite at APS. Start 12/3/2020. End 12/4/2020.
* ESAF 233986 at 11-ID-D. Brian Phelan from CSE onsite at APS. Start 12/3/2020. End 12/7/2020.
* ESAF 234028 at 33-ID-D. Amanda Carr and Ahmet Uysal from CSE onsite at APS. Start 12/3/2020. End 12/7/2020.
* ESAF 234215 at 12-ID-D. Jeffrey Eastman and Dina Sheyfer from MSD onsite at APS. Start 12/4/2020. End 12/14/2020.
* ESAF 233442 at 20-BM-B. Jason Croy from CSE onsite at APS. Start 12/5/2020. End 12/7/2020.

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

* Instron coming to 5ID-D on 11/30, JSA/WPC on Bruno’s door
* 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
* 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**

* 2-IDhas all 3 MH’s open to replace solenoids on gate valves to prepare beamline for Phase 3 Shielding Verification tentatively planned for the week of 12/7.

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

* (LBB) Removal of 435 truck lock dock to take place 11/30 and 12/1. Vibration may be noticeable to beamlines in the area.
* (LBB) Site leveling work continues. Water main work will begin. Both may cause noticeable vibrations.
* 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**

* 2-ID Phase 2 Shielding verification (transport from A to MH1/MH2, transports for D and E branch lines) completed on Tuesday, 11/24.
* 1ID-B and 4ID-C shutter warnings investigated on 11/25: solenoid replacements completed.

**General Information to Pass Along**

* Please complete the required survey: DOE Order 486.1A Compliance in Workday by 12/11 (check your email or log into Workday and go to required actions).
* Check your QEW status and schedule practical as soon as possible as the 6 month extension is set to expire.
* 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.
* Cassandra will send out information about getting CPR/First Aid Certifications at outside locations (AFD not offering classes). The program consists of an online portion and then a practical taken at a participating facility. The online portion is $30, practical is $80. You can then be reimbursed through Workday.
* PSC has an online suggestion box. Comments can be submitted anonymously. <https://inside.aps.anl.gov/internal/Suggestions-Box>

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

* Updated 11/24/2020, 112 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 Turnover/AES GL meetings**

* 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. You should have been notified to participate. The plan is to designate Conference Rooms 2 E1100/E1200 as a mobile clinic / collection site for the nasal swab PCR test by HEW. Intent is to test on a weekly basis, looking to start on December 1 for baseline testing and continue to at least January 26 (end of shutdown).
* 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. No delivery yet, but still in the works.
* Saliva PCR testing: 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. 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.
* 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
* Long Beamline Building (LBB) - Ramanathan - Planning for saw cut by the 435 loading dock in preparation for the pad for the liquid nitrogen tank on November 30 and December 1. Sectors 21 and 22 are more likely to see it. He will also see if they can push the work back to December 7. - A bigger problem is related to compacting, which is planned while the machine is down. - 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>
* 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.

**Shutdown Work Planning (updated 11/25/2020)**

* All personnel who were identified as frequently on site for the shutdown have been emailed detailed instructions and schedule for mandatory Covid testing. Even if you are not scheduled to be on site the day of your test you must get tested on your scheduled day.
* 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 Water Shed construction
* 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 will likely be starting next week.
* 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 availability.
* 375 DLM assembly went fine using the overhead crane, issue is folks walking into the space without hardhats. One magnet has holes that do not line up so expect survey to be there measuring with additional magnets next week and disassembly and reassembly to be happening.  Steel tables and work platforms should be being placed too.  Workers are too short to do the work without ladders at the moment.
* 401 L-wing 2nd floor labs, Testing of the Liberia + boxes and BPM Electronics –testing is ongoing.
* Building the 400 A mezzanine –power supply is moving in and starting to assemble benches and has ordered racks that they will assemble and install.
* 412 RF amplifier work continues  - no activity
* 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.
* 981 build-out continues, you must now sign in at the front and be escorted unless you're part of the security plan which at the moment only Paul Rossi is on the plan., racking installation, electrical upgrade ongoing, cleanroom frames being installed, framing from interior rooms steel going up, about 50% done, ventilation work ongoing.
* 382 component inspection, assembly and cleaning underway only two technicians working.
* LEA building steel erection ongoing with interruption and blockage of the roadway regularly by equipment such as lifts or crane
* 420 cryoplant folks working on doing layout and anchor installation, electrical work there is next up.

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 11/30/2020

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

Nena:

* 8 individuals went through an initial interview screen with Nena for the FC positions
* Met with 3 people last week and will meet with 2 more this week
* See turnover notes for interview times for Katy Green and Matthew Spilker
* Turnover notes (above) new items are highlighted

Turnover Notes

* Instron contractor showed up at Sector 5; no tool usage
* Eyewashes/LSIs spreadsheet added to Box; note with an X if you’ve completed your area
* 2-ID MHs are open; Phase 3 shielding verification possibly next week
* Some of the LBB work has shifted due to vibration issues; see notes for further information
* New folder added to EFOG Turnover: Information regarding required COVID testing starting Dec 1st; Liz to follow up on details of make up testing; Nena talked with John Connolly – confirmed there is no testing the week of January 11th as we are moving to testing every other week at that time

Shutdown Planning

* New information is highlighted
* More items have been deferred to the April/May shutdown
* Priority 1 jobs are jobs that must be completed during the Dec/Jan shutdown
* Priority 2 jobs are to be completed only when priority 1 jobs are done

Clay (from Ops)

* Updates noted in red font on notes above
* There are no activities that don’t cause vibrational issues for the beamlines
* Per George S. a working group is meeting to discuss ways to communicate these issues more effectively with the beamlines
* Steve Davey is looking at the previous procedure that was used during the construction of APCF and revising the procedure
* Fans are not allowed unless they have a green sticker on them

Liz

* TYSSR for XSD-CMS is Thursday, December 10th at 1pm

Ashley

* A firmer schedule is emerging for LBB utility work; Ashley and Shane to work through this list to notify affected personnel
* Largest portion of this work will be the LN2 shutdown that will affect Sector 18 – 27; these sectors will have no hard lined LN2 for 4 days
* Created LBB folder in Box; let Ashley know if you want to be added to this folder
* Steve Hunsberger is setting up a meeting later this week to go over the LBB activities for the next 2 month

John

* 434 LSI done; will complete 431/432 LSI before the end of the day on 11/30/2020
* Asked if we need beamtime reports send to the FC phone – consensus is that we don’t need them sent to the phone; email only is sufficient
* Developing a guide for deactivating ESAFs – will send to Nena and Liz for review

Shane

* Talked with Sectors 21 –24 about trying to handle lingering beamtime report
* Communicating regularly about LBB
* Clearing out old property
* How to remove old personnel on the WR distribution lists; per Wendy contact Randy

Steve

* Put in vector request to move the 437 lock box to 438; you may be contacted to help with this if Steve is not onsite

Bruce

* ESAFs
* Rad Sample Containment Catalog

Clay

* CCWPs – Division between FC and JC
* Wendy had to smooth over a situation at 1-ID because work was conducted in the B station on a solenoid for a shutter without the staff being informed of this work
* Coordination with beamline staff is part of posting a CCWP
* CCWP is more than just the yellow sheet and ICMS
* It is the FC responsibility to know what beamlines prefer to be notified about this type of work
* FC needs to be a liaison

Wendy

* Thank you to Steve, Ashley, and Bruno for help with 2-ID commissioning last week
* 28-ID has requested a shielding verification for December 15th; should have further updates tomorrow afternoon
* Phase 3 of 2-ID shielding verification is scheduled for next week