**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: 12/7-12/13**

Monday 12/7: FC1: Steve; FC3: Clay

Tuesday 12/8: FC1: Steve; FC2: Wendy; FC3: Clay

Wednesday 12/9: FC1: Steve; FC2: Ashley; FC3: Clay

Thursday 12/10: FC1: Steve; FC2: Wendy; FC3: Clay

Friday 12/11: FC1: Steve; FC2: Bruno; FC3: Clay

FC Weekend: Clay

Vacation/DOR-12/7-12/11

Bruno Vacation-12/9

**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 and Daniel Turner 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

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 12/7/2020 - 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 233790 at 7-ID-C. Jian Zhou from NST onsite at APS. Start 11/24/2020. End 12/14/2020.
* 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 234215 at 12-ID-D. Jeffrey Eastman and Dina Sheyfer from MSD onsite at APS. Start 12/4/2020. End 12/14/2020.
* ESAF 233204 at 11-ID-B. Tim Fister from CSE onsite at APS. Start 12/7/2020. End 12/10/2020.
* ESAF 234117 at Sector 10 lab and 10-ID-B. Jeremy Kropf and Evan Wegener from CSE onsite at APS. Start 12/7/2020. End 12/10/2020.
* ESAF 233415 at 20-BM-B. Tongchao Li from CSE onsite at APS. Start 12/8/2020. End 12/9/2020.
* 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 233903 at 33-ID-D. Peng Yang and SangSoo Lee from CSE onsite at APS. Start 12/8/2020. End 12/14/2020.
* ESAF 234488 at 32-ID-B,C. Cankur Centibus and Jaehyung Park from ES onsite at APS. Start 12/8/2020. End 12/10/2020.
* ESAF 234713 at 9-ID-C. Devon Powers and Ashley Simmons from AMD onsite at APS. Start 12/8/2020. End 12/9/2020.
* ESAF 234834 at 7-ID-D. Christ Otolski and Gilles Doumy from CES onsite at APS. Start 12/8/2020. End 12/13/2020.
* ESAF 233905 at 33-ID-D. Tim Fister from CSE onsite at APS. Start 12/9/2020. End 12/13/2002.
* ESAF 234184 at 34-ID-E. Gui-Liang Xu from CSE onsite at APS. Start 12/10/2020. End 12/12/2020.
* ESAF 234115 at 10-ID-B. Jeremy Kropf and Evan Wegener from CSE onsite at APS. Start 12/11/2020. End 12/12/2020.
* ESAF 234116 at 10-ID-B. Jeremy Kropf and Evan Wegener from CSE onsite at APS. Start 12/11/2020. End 12/14/2020.
* 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 234118 at 10-ID-B. Jeremy Kropf from CSE onsite at APS. Start 12/13/2020. End 12/14/2020.
* 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.

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

* 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. 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 2 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. Potential delivery on Thursday.
* 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.

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

* Updated 12/07/2020, 132 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**:

* 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. Potentially to start Dec 15.
* 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
* 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 (updated 11/25/2020)**

* 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 12/07/2020

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

Nena:

* Interviews two this week; 1 next week – see turnover notes for further info; we will use a similar format to last time
* Please update the LSI/eyewash spreadsheet in Box as you complete these items
* Water leak at 1-ID-A, see turnover notes for further information; Steve to work on downtime report; Wendy put a message in Teams for Steve with instruction on how to request access to this reporting tool
* 28-ID-A next week, nothing downstream of A, possibly Tuesday afternoon or sometime on Wednesday
* 9-BM door issue, see turnover notes for further information; today they are clamping leaking hose connections
* Also today at 4-ID, bleed Yokagawa re slits at 4-ID and also addressing fail to close warnings (Steve has posted a CCWP for this)
* 2-ID-A shielding verification is done; fully operational canted beamline
* 433/434 Truck Lock LN2 stations repair should be underway soon

LBB

* See turnover notes for further information
* This week removal of 435 gas yard and LN2 pad, etc.
* There are several utility shutdowns scheduled for the upcoming shutdown period
* Mohan has set up weekly meetings on Fridays to discuss LBB

OPS

* See turnover notes for further information

General Info

* Please see highlighted (new) information

Shutdown Planning

* See turnover notes for further information
* Some work has been deferred to the April/May shutdown

Steve

* 437 Lock Box has been moved to 438 FC Office

John

* All routine rad surveys for 2020-3 are complete
* MCR didn’t notify FC about some recent removal of steering BPMs; Nena to follow up with Randy and Karen

Bruce

* Working on 2016-2 for rad sample catalog
* Have not heard anything Arvind’s group regarding our requests; Nena to follow up

Shane

* Nothing additional at this time

Wendy

* Nothing additional at this time

Clay

* Clay, John, and Ashley were recently discussing the use of the significant flag in our log book; EFOG to discuss use of this feature some time in the future

Bruno

* Asked if anyone has complained about chain fall hoists – no one has complained

Ashley

* Joe B at 21 often runs ESAFs with the same number but at different station; instructed him to either add a comment or wait until done at all the stations and then submit reports for all the stations at the same time

Liz

* Week of December 21st there is no COVID testing on December 24th; check schedule to see if you have been scheduled on either the 22nd or 23rd
* XSD-CMS TYSSR scheduled for Thursday, December 10th at 1pm
* Make-up COVID testing is available on Fridays through appointments with HEW; but you are discouraged from missing your scheduled time as a lot of effort goes into scheduling these appointments
* Added remaining 2020-1 rad experiments to master rad sample containment file in Box