**EFOG meeting 01/04/2021**

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

Nena

* See EFOG Turnover notes (below) for further details on Ops, LBB, Shutdown work, general info, etc.
* Please complete your QEW walkthroughs and CCCLs by January 20th at the latest. **However, please do them as early as possible, preferably this week or next.**
* Please contact Clay or Bruno ASAP if you need to shadow them on a QEW walkthrough. It would be good to do a walkthrough with each of them.
* Matthew and Katy start on 01/11/2021. Matthew will be in 436 and Katy will be in 431.
* COVID SME approved 2 person occupancy for 436. If both occupants are seated at their desks, masks may be removed. Occupants can’t eat in 436 if the other occupant is present.
* 2021-1 shift schedule, off shift schedule, and DORs have been updated online.
* Only ESAF of note this week is laser work at 35-ID for two onsite users from LLNL. ESAF will be approved once training requirements are completed and PLOP has been issued.
* Make sure LSIs and eyewashes are completed and note the completions in the spreadsheet in box.
* Sector 33 dark room fire protection testing may occur this week. See EFOG turnover notes for further details
* No work at either 25-ID or 28-ID today. Some shielded transport was installed at 28 since the break.
* Please check your QEW status.
* CPR and FA; can register through TMS
* So far SI and MOM are on schedule with their shutdown work. FE upgrades on schedule. A few minor things have been completed.

Training new FCs

* Will soon finalize the plan for the 1st two weeks and then build out from there based upon what needs more/less time, etc.
* Mix of onsite and remote training.
* Hoping 1st day onsite will be next Tuesday 1/12. Ashley will give them a tour to familiarize themselves with the APS.

John

* Onsite this Thursday and Friday to finalize online training material
* Calibrations are all done; Bruno will cover any outstanding items
* Week of 1/18 will work on Routine Rad Schedule

Ashley

* The training meetings on Tuesdays at 1pm will continue; will now discuss the training program implementation
* Fridays will have an informal meeting (time TBD) with Katy and Matthew to discuss any specific questions they may have. A core group of people will be available to answer questions, but the meeting is open to everyone in the group. This meeting provides a good review for everyone on all things FC related.

Steve

* Onsite next week to complete QEW walkthroughs and CCCLs

Shane

* Working on equipment for the new FCs
* Eyewashes will be completed this week
* QEW walkthroughs and CCCLs will be completed this week.

Wendy

* The storage ring closes on 1/13/2021
* Trying to obtain keys for the new FCs but that is proving to be difficult without badge numbers
* Per Wendy as long as the new FCs are escorted by Ashley and wearing safety glasses, they can peak into the FEs but cannot go into the storage ring

Clay

* Will work with Katy and Matthew this week (Thursday) to show them a QEW walkthrough and CCCL

Bruce

* No progress has been made regarding ESAF programming requests
  + Nena to touch base on this

Bruno

* National Elevator is onsite this week and part of next week; Bruno is assisting with this
* Instron will be here on Tuesday and possibly Wednesday of this week for work at 5-ID; please contact Bruno with any questions; paperwork is on Bruno’s door
* LOTO in 21-ID CR to swap out a light switch; postponed until Tuesday 1/5

Liz

* Email will be sent to beamlines this week reminding them to submit commissioning ESAFs for 2021-1
* Beamlines will also be reminded about lab ESAFs
* Onsite on Tuesday to deactivate any ESAFs that expired on 12/31/2020
* Will touch base with John Connolly about ESAFs submitted with external users. There are several currently submitted.
* Sector 35 TYSSR will occur in February 2021. In process of scheduling that review.

**Facilities/Experiment Status-**

* Limited Operation + with ANL onsite Users
* Currently in Dec/Jan shutdown
* 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: 1/4/21-1/10/21**

M to F: FC1: Clay; FC2: Bruno

FC On Call-Clay

**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

COVID SME Review of 436:

Two person maximum occupancy.

* Face coverings can be removed when both workers are seated.
* No eating when the space fully occupied (one person occupancy if eating)

Recommendation, try to limit passing:

o   NE occupant should prioritize the NE entry

o   SW occupant should prioritize the SW entry

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

(waiting for HR to provide badge #’s for key and phone orders)

**QEW walkthroughs and CCCLs.**

Please complete all walkthroughs by Jan 20. With the ring closing on Jan 13, walkthroughs should be completed ASAP to ensure that enough time is available for other requests. If you have not done any QEW walkthroughs with Bruno or Clay please contact them.

**Schedules/Off Shift and DORS**

Schedule for 2021-1 has been updated. I have also updated the OFF Shift Schedule to reflect April/May Shutdown and updated the DORS. Please take a close look at the 2021-1 schedule as it has changed a bit due to putting Wendy back on shift for this run. Wendy on shift this run will allow everyone more time to work with the two new hires and get them both up to speed to take shift in the next run or sooner.

When taking time off please use DORS first before vacation unless you are maxed 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)

**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>
* Fire Protections needs access to Sector 33’s dark room for testing. The key is now pinned just outside the door. Please return key afterward per email sent to UES on 12/23. Will come sometime early Jan.

**Ongoing work on experimental floor-RSS**

* [**See shutdown CCWP sheet in Box**](https://anl.app.box.com/file/743509105822?s=vj4i6i3kpztihald05hh75pr2shkap9e)

**Ongoing work on experimental floor-Other**

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

**Completed Repairs and Work**

**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 is complete. Due to an issue with a frozen fitting, the outage lasted longer than anticipated (~24 hrs). CA, DN2, EP, CW, and PW tie ins are complete. Some insulation work will continue the week of ¼
* 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)).
* CA, DN2, EP, CW, and PW tie ins are complete. Some insulation work will continue the week of ¼
* 436B LOM is in the process of being demoed.
* (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. 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 -
* 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.
* Increase vigilance on keeping people separated –.Thorough reviews of close contact work – AVOID if possible, stagger work evolutions, etc.
* 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/) Every member of the MOM/VAC group will be outfitted with a wearable device as part of the pilot.
* 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 01/03/2021, 155 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 authorization from FDA was not granted so there will now be a delay as they try a different route.
* 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
* 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
* 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.
* 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