

June 3, 2020



TO: Distribution
FROM: M. Quinn
SUBJECT: Radiation Safety Subcommittee Meeting of June 3, 2020

MEMBERS (P=Present, A=Absent):

S. Borton	A	D. Hahn	P	M. Quinn, Chair	P	P. Sedory	A
N. Chelidze	P	D. Hockin	A	D. Reitzner	P	K. Vaziri	A
J. Compton	P	R. Madiar	P	W. Schmitt	P	M. Zientarski	P
K. Gollwitzer	P	S. McGimpsey	P	M. Schoell, Deputy Chair	P		
K. Graden	P	D. Newhart	P	J. Scott	A		

Others Present: None

New Business

- IARC Proposes New RGD** – An electron accelerator is being planned for the HAB pit. It will need to be added to the list of RGDs (RP Form 108). Details will be forwarded to the SRSO for DOE O 420.2c determination. Shielding Assessment group has reviewed the proposed radiological protections.
- Instrumentation Calibration** – M. Zientarski reported that the Instrumentation Team is back on site, but with limited staff. Had several hundred past-due or soon-to-be due instruments. Worked with stakeholders to prioritize calibrations and was able to calibrate all in 1st priority. Emergency kits for Fire Department, BODA, etc. New procedure in place for social distancing – please call first and schedule time for curbside pickup. M. Quinn commended the organization effort for getting this accomplished.
- Frisker & Wallflower Cleaning** – M. Quinn posed the question about cleaning friskers & wallflowers, as the Lab looks at cleaning high touch surface. Discussion:
 - Some people might clean, but others might expect others to clean it.
 - Would need to have wipes nearby to enforce cleaning, but highly likely that wipes would be taken since stockroom supply is so low.
 - Not feasible to have radiation safety/ESH clean instruments. Wouldn't be able to be done frequently enough to be worthwhile.
 - Rely on people washing hands.
 - Might be a good idea to install wall-mounted hand sanitizer, especially in buildings that are not near restrooms.

If there are suggestions, please let M. Quinn know.

Old Business Carried Forward

- MI-65 Roof Repair** - N. Chelidze reported that the standing water issues were resolved with unclogging the SE downspout drain. Several checks for leaks inside the building and standing water on the roof has been made since the unclogging, following heavy rains, and no issues have been found.

5. **Electronic RWPs** – M. Schoell reported website is live! (esh-rwp.fnal.gov) Announced at AD Ops 5/22/2020, have met with specific groups to discuss in more detail. Being used & working well.
6. **New Cameras for RPCF** – M. Zientarski reported that new cameras were installed and on-line. Old cameras are still in place until the old system has been disabled. M. Quinn will follow up with Laurie about how the system is working.
7. **Analyst** – M. Zientarski reported last meeting (May 2020) that the Instrumentation team had been receiving multiple calls about Analyst instruments not working properly. Appears that users have the switch in the wrong position. They proposed adding a sticker with instructions for proper knob locations. Will likely do something similar for Friskers. RPCF continues to work on the issue as they're able.
8. **COVID-Safe Mode** – M. Schoell reported that the lab is currently in a COVID-safe state due to the COVID-19 pandemic, with limited operations on site.:
 - Accelerators have been locked off. Beam Permits & Running Conditions were rescinded by AD Division Head April 10, 2020.
 - RGDs starting back up as Divisions/Sections deem necessary, after RSO confirms interlock test and interlocked detector calibrations still valid.
 - Q1 dosimeters will be picked up tomorrow (5/7).
 - Practical Factors training online requalification change made within TRAIN, email sent to rad workers 5/13. In-person classes resuming 6/4 with classes limited to 9 people (to keep group size at 10 including the instructor). Continuing to encourage people who can requalify online to do so to ensure space available for individuals who need to take the training in person.
 - Received a waiver to current MC&A plan for forgoing quarterly report (required internally, regulations require annually) and postponing annual physical inventory until MBA custodians are back on site (required annually internally, regulations require every 2 years). K. Graden also working on updating MC&A plan to make these changes permanent. Thanks FSO for moving that forward!
 - R. Madiar recommened (at the April meeting) working with FSO on if any exemptions are needed. J. Blakie available for consultation if needed.
 - Secretary of Energy did issue a memo allowing for some relief of some safety & health regulations. ES&H is reviewing that memo now to see what relief we will take advantage of.
 - MC&A plan waiver appears to be the only relief needed/asked for by RP.
 - Lab is working on return to on-site work plan
 - ESH reviewing D/S/P planned work to understand ESH/RP support. Will continue to monitor to coordinate/provide support as plans change.
 - As of 6/4 will be in Round 3 of return to onsite work plan
9. **MI-40 Sump Pump Failure** – M. Schoell reported that water has evaporated enough to take contamination wipes, and they've been submitted to RAF. Will continue to follow-up with AD and FESS on planned repair work.
10. **JULIE Expiration Question** – W. Schmitt continuing to work the FESS on resolving questions about JULIE closure/extensions. There are some questions beyond RP concerns, so FESS and ESH

Construction Group need to continue to discuss, unclear if this has happened. W. Schmitt will continue to follow-up on.

11. **NEXUS DD Neutron Generator** – In April, N. Chelidze reported that it's still in the Mu2e alcove 3 pit, off and in safe state (keys for the deuterium bottle and interlock reset are locked in RSO key cabinet). Still need to work with vendor to finalize acceptance testing. Work paused during COVID-safe state. Will need to confirm next steps when back to normal operations. D. Hahn reported that it's still there and still hasn't passed it's acceptance test. On hold while we're in COVID-safe mode.
12. **New OWL Instrument** – Working on OWL specifications. Will meet with "Future Radiological Instrument Needs" group soon. M. Zientarski reported that work is progressing. M. Zientarski waiting to meet with A. Olson to discuss new OWL specifications. Will then need to bring up to "Future Radiological Instruments" subcommittee. No update.
13. **10 CFR 835 Assessment** – W. Scmitt reported that as of mid-May the assessment (covering sub-parts E, I, J & N) was complete. This is the first time using this new structure for performing the 835 triennial assessment. The assessment was done virtually, and compared FESHM/FRCM to the requirements in 10 CFR 835 sub-parts under review. As of mid-May the report was finalized & submitted. Four recommendations were identified. Thanks again to Dee, Wayne, Duane, Joe & Rachel!
14. **LBNF**
 - a. Berm excavation has begun with RCT coverage.
 - b. Sue working on soil management plan/Technical Basis Documentation. Has determined that 10,000 cpm is the threshold for activated soil, based on background measurements and soil content.
 - c. Soil samples are being taken for confirmatory purposes.
 - d. Signs for "no excavation" line put in place.
 - e. New job-specific training generated for workers within the "no excavation" line, and S. McGimpsey has started providing training to subcontractors.
 - f. LBNF plans to take soil off site for soil density testing. Will have more rigorous surveys prior to releasing the soil. Soil that is required shielding will be returned to the site.
15. **Safety Assessment Document reviews** – MTA SAD waiting for SA to be approved.
16. **IERC** – N. Chelidze reported that we're still waiting for IERC alignment to mark the "no excavation line" and has pinged them again today May need to bring this up the chain of command to ensure reponse. M. Quinn will follow up.
17. **Contamination in Enclosures** – S. McGimpsey reported that the multi-cell wipe counter is still being worked on to bring online. Check sources were counted but have not been able to get it adjusted to field contamination levels. S. McGimpsey and M. Quinn will look at it in more detail next week. MI-30 & 8 GeV collimator regions decontamination was successful. Contamination Area postings are still across the aisle, but have plans to purchase new stanchions & signs to put permanent postings across the beamline components, and have the aisle postings be temporary as needed. We have some amount of build-up study data, but may need additional review by subset of this group to determine if this data is sufficient or more data is needed once beam resumes.

- 18. **SARP** – W. Schmitt reported SARP is still working on the MTA assessment, working through smaller items for the author to tidy up.

- 19. **?MTA** – Work on the planned MTA (400 MeV Test Area)/ITA (Irradiation Test Area) is progressing. The facility will need a new shielding assessment, SAD and ASE update. SARP currently reviewing shielding assessment. SAD being worked on. Activity of equipment is being calculated and analyzed to better understand requirements/process for sample retrieval, storage, shipment, etc. S. McGimpsey working on procedures for handling equipment, etc. for work once the facility is approved to start. On hold during COVID-safe.

ALARA Topics

- 20. Summer shutdown planning continues. Still need job plans for RSO review. Schedules being re-worked due to work group availability. Job plans being re-worked including COVID-19 restrictions.
 - NuMI target module job being planned for shutdown. Anticipated to be a higher dose job. The crew is thinking about doing mock-ups.
 - NuMI may have additional horn & target change outs planned for shutdown.
 - MI collimator work being planned for shutdown.
 - NuMI work will depend on NTSB crane repair work being completed (currently on hold during essential work mode). Will also depend on machine shop availability to create parts.

Operations

J. Compton reported that most of the enclosures are in Supervised Access and recored to shutdown keys. Getting ready to hand out long-term shutdown keys. MCR has been rearranged to have better flow of personnel to enhance social distancing.

PLACE AND DATE FOR THE NEXT MEETING: THE NEXT MEETING WILL BE ON JULY 1, 2020 AT 2:00 PM VIA ZOOM (MEETING INFORMATION WITHIN OUTLOOK CALENDAR EVENT).

FY2020 Minutes: ESH DocDB 5337

Distribution via E-Mail–

Amber Kenney – Chief Safety Officer	Mike Bonkalski – Deputy Chief Safety Officer
Eric McHugh	Bridget Iverson
Raymond Lewis	Nicole Gee
Others Present	Subcommittee Members