

March 4, 2020



TO: Distribution
FROM: M. Quinn
SUBJECT: Radiation Safety Subcommittee Meeting of March 4, 2020

MEMBERS (P=Present, A=Absent):

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

New Business

- Request from FESS to bring U. Florida x-ray Field System on site** – K. Graden reported that she was contacted by FESS with this request to study tree root mass through “our National Environmental Research Park program”. Additional follow-up with RP and ES&H will be needed.
- JULIE Expiration Question** – Following the recent excavation incident at IERC (see Old Business IERC topic for details), the question came up on when a JULIE is officially closed, and when/how many times it can be extended. RP will follow up with FESS.
- Using Neutron Generators at Fermilab** – New training generated for use of neutron generators at FNAL, and is live on the Training website.
- NEXUS DD Neutron Generator** – ORC approved week of 2/24. Acceptance testing is being performed at Mu2e. After the testing is finished, the generator will be disassembled and stored until a permanent installation for NEXUS is built.
- Instruments** – Work ing on OWL specifications. Will meet with “Future Radiological Instrument Needs” group soon.

Old Buisness Carried Forward

- 10 CFR 835 Assessment** M. Quinn working with D. Hahn, W. Schmitt, D. Newhart, and J. Compton to start planning this review.
- LBNF**
 - Site Prep/work planning: S. McGimpsey and M. Shoell meeting with LBNF next week to continue discussions.
 - Sue working on soil management plan/documentation.
 - Signs for posting construction areas have been received

8. **Safety Assessment Document reviews** – The Muon Campus SAD chapter has been approved by Nigel. Is with FSO as supporting document for the updated ASE (approved by Nigel, waiting for FSO approval). Other chapters under review: MTA->ITA, 1039.
9. **IERC** – On 3/2 RPO was notified that the IERC subcontractor excavated for work on a manhole cover without properly notifying the RSO or the TM/CC, as required in the JULIE. The work was performed under the original JULIE that had been “kept open”/extended. The excavation did not impact required shielding. A USI will be performed to document. This work violated the JULIE requirement for no excavating within 20ft of the enclosure wall without RSO notification while beam was operational. Since the JULIE is still active, the area will be posted with the “no excavation” signs purchased for LBNF.
10. **Review of Radiological Training** – K. Graden reported that the training is live on the training website! This was a great effort. This item can be closed.
11. **Contamination in Enclosures** – Still waiting for the check sources to calibrate multi-cell wipe counter. RPO is in communication with the manufacturer to get the broken cell fixed. One spot in MI-30 that was above FRCM limits from January wipe survey. RPO plan is to decontaminate the area before the next access period. Beam was approved to turn on 11/1, so there was ~3 months of running before build-up above FRCM limits.
12. **SARP** – Approved Muon Campus to DA assessment. Waiting for MTA assessment.
13. **Mu2e Diagnostic Absorber ARR** – Review was closed out Feb 20, 2020. We are waiting for the final report.
14. **ITA** - Work on the planned Irradiation Test Area is progressing. The facility will need a new shielding assessment, SAD and ASE update. RPS is working on preliminary shielding assessment. Hoping for SARP review beginning the week of 3/9. SAD being worked on. Activity of equipment is being calculated and analyzed to better understand requirements/process for sample retrieval, storage, shipment, etc.

ALARA Topics

15. NuMI target module job being planned for shutdown. Anticipated to be a higher dose job. The crew is thinking about doing mock-ups.

Operations

PLACE AND DATE FOR THE NEXT MEETING: THE NEXT MEETING WILL BE ON APRIL 1, 2020 AT 2:00 PM IN THE CROSS GALLERY HUDDLE.

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