From:	Madiar, Rachel
To:	Scott M. Tingey
Cc:	Whitney Begner; Amber M Kenney; Martha Michels; Matthew Quinn; Jeremy Sawyer; Madelyn Schoell; John Scott; Roger E. Snyder; Gumindenga F. Mabvuta
Subject:	RE: FRA Response to ASE and SAD Comment Resolution Form
Date:	Tuesday, May 9, 2023 12:09:42 PM
Attachments:	image001.png Copy of FERMI ASE and SAD Comment Resolution Form 5523 DRAFT.xlsx

Hi Scott,

Thank you for the initial submittal of responses to the FSO SAD/ASE Comment Resolution form on 4/24/2023. FSO has identified the following gaps and is unable to complete a review at this time. Please clarify if you disagree with the items listed below:

1. Comment 1 regarding ODH: DOEs comment was not addressed. In accordance with DOE-HDBK-1163-2020, Standard Industrial Hazards (SIH) are hazards that are generally well understood and covered by codes, standards, or other consensus standards. Since ODH is not a SIH and in accordance with DOE G 420.2-1A then this ASE must develop credited controls that will address the ODH concerns associated with applicable accelerator facilities.

2. Comment 2 regarding area radiation monitors: Area radiation monitors mitigate consequences to personnel and the public located outside shielded facilities by monitoring radiation levels in occupied areas outside of shielding structures and terminate beam if a radiation trip limit is exceeded. Radiation monitors are essential to ensuring the safety of workers and the public during accelerator operations. (eg. In the case of the Booster, radiation levels outside shielding structures are controlled using total loss monitors and are not completely mitigated by passive shielding per the Booster Shielding Assessment Version 6, January 17, 2017. Section 17 Conclusions states that a TLM system covering the Booster ring needs to be part of the active shielding control.)

Additionally, FRA provided multiple comments to resolve an item using statements such as "The ASE can be updated." FSO does not accept this statement as it does not provide enough clarity to resolve the comment. FSO's expectation is that FRA's responses will provide enough detailed description and specific information to accept the comment as resolved. Providing comments with a sufficient level of detail and using affirmative statements such as "Must/will/shall" are needed.

Rachel

Rachel Madiar
Facility Representative
DOE Fermi Site Office
Office: 630-840-2449
rachel.madiar@science.doe.gov

From: Suzanne M Weber <sweber@fnal.gov>

Sent: Monday, April 24, 2023 11:09 AM
To: Snyder, Roger Eugene <Roger.Snyder@Science.doe.gov>
Cc: Scott M. Tingey <stingey@fnal.gov>; Begner, Whitney <Whitney.Begner@science.doe.gov>; tamber (FNAL) <tamber@fnal.gov>; Madiar, Rachel <Rachel.Madiar@science.doe.gov>; Lia Merminga <merminga@fnal.gov>; Michels, Martha (FNAL) <martha@fnal.gov>; Matthew Quinn <mquinn@fnal.gov>; Jeremy Sawyer <jsawyer@fnal.gov>; Madelyn Schoell <maddiew@fnal.gov>; Scott, John <John.Scott@Science.doe.gov>; Campbell, Anna L. <annacamp@fnal.gov>; Latoya R. Woods <latoya@fnal.gov>; Bozonelos, Anna (CONTR) <Anna.Bozonelos@science.doe.gov>; Marcella Kamarauskas <marcella@fnal.gov>; Traci L Langford <tracil@fnal.gov>
Subject: FRA Response to ASE and SAD Comment Resolution Form

Mr. Snyder,

Below and attached is the FRA response to ASE and SAD comment resolution form.

Thank you.

Fermilab

Fermi National Accelerator Laboratory

Scott Tingey
Chief Operating Officer

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April 21, 2023

Attn: Mr. Roger Snyder
Site Office Manager
Fermi Site Office
U.S. Department of Energy
P.O. Box 2000
M/S 118
Batavia, Illinois 60510-5011
U.S.A.

FRA Response to ASE and SAD Comment Resolution Form

Dear Mr. Snyder,

In your letter REQUEST TO APPROVE FERMILAB'S ACCELERATOR SAFETY ENVELOPE AND CONCURRENCE WITH SAFETY ASSESSMENT DOCUMENTS FOR THE NEUTRINO, MESON AND NEUTRINO SWITCHYARD 120 EXPERIMENTAL AREAS INCLUDING SPINQUEST, dated January 4, 2023, you requested that Fermi Research Alliance (FRA) provide a proposed resolution for each comment in an attached FERMI ASE and SAD Comment Resolution Form. FRA's responses and proposed resolutions are in the attached FRA Response document [1].

As part of the proposed resolution, FRA intends to implement the modifications in two phases: (1) Implement modifications specific to the restart of NM in support of SpinQuest, and (2) Implement modifications for remainder of the accelerator complex as part of the full SAD/ASE revision for the PEMP notable, in line with DOE O 420.2D Implementation Timeline. A summary of which comments/issues will be addressed in each phase can be found in the Proposed Resolution for SAD & ASE Comments presentation [2], with full details specified in the FRA Response document [1]

Attachments:

[1] FERMI ASE and SAD Comment Resolution Form_FRA Response - FINAL
[2] Proposed Resolution for SAD & ASE Comments presentation, March 14, 2023

Sincerely,

Scott Tingey, UID:stingey
Digitally signed by Scott Tingey, UID:stingey
Date: 2023.04.24 10:42:40 -05'00'

Scott Tingey
Chief Operating Officer
Office of the Director

Suzanne M. Weber
ES&H Division Administrator

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Please note: I do not expect responses after hours or on the weekends.