

From: [Wayne A Schmitt](#)
To: [Anthony F Leveling](#); [Steve Werkema](#); [Thomas W Lackowski](#); [Vladimir P Nagaslaev](#); [Rick Coleman](#)
Cc: [John E Anderson Jr.](#); [Michael C Vincent](#); [William S Higgins](#)
Subject: RE: Mu2e experimental area preliminary shielding assessment - final version
Date: Monday, June 16, 2014 3:29:32 PM

Hello All,

The AD/ESH Department has reviewed *Mu2e Experimental Area Preliminary Shielding Assessment*, June 9, 2014 (beams-doc-4611-v2). We have identified no fundamental oversights or issues that would significantly affect the facility's radiological safety and, therefore, grant preliminary approval per FRCM Article 814. We acknowledge that some design work is still in progress and, having discussed the details with Tony, we believe that the project understands that final approval will be based on satisfactory completion of these items and others required by ADSP-02-0110, *Outline for Performing Shielding Assessments*.

Thanks,

-Wayne

From: Anthony F Leveling
Sent: Monday, June 09, 2014 8:21 AM
To: Wayne A Schmitt; Michael C Vincent; William S Higgins
Cc: Steve Werkema; John E Anderson Jr.; Vladimir P Nagaslaev; Rick Coleman; Thomas W Lackowski
Subject: Mu2e experimental area preliminary shielding assessment - final version

Hi all,

Based on latest results received from Vitaly, I've made version 2 of the mu2e preliminary shielding assessment (beams doc 4611-v2). This is the final submittal we ask you to review and approve so that FESS can go out for bids on the mu2e facility. The assessment has been done for the facility as currently envisioned.

I want to point out that the MARS simulation results presented in Figure 2 of the assessment are for all drop hatches filled with shielding blocks. We are continuing with simulations to determine if we can decrease the number of shielding blocks in all but the Production Solenoid drop hatch. This work does not represent a change in the construction of the facility; it is just to determine if fewer shield blocks can be used in individual drop hatches.

As you know we are looking forward to your approval as soon as possible. We hope that previous versions submitted will pave the way for a speedy review.

If there are ANY questions or clarifications required, please let me know about them ASAP so we can prepare timely responses.

Thanks!

Tony