

## Parker, Bryan

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**From:** Parker, Bryan  
**Sent:** Friday, May 19, 2017 4:39 PM  
**To:** Grivins, Peter  
**Subject:** Request for Additional Information  
**Attachments:** MSU FRIB facility RAI.docx

Hey Peter,

Attached is the Request for Additional Information (RAI) for the MSU FRIB facility. If possible, please provide your response by end-of-business June 2, 2017.

As discussed, you may respond via email by attaching the response as a **signed** PDF file and sending it to me. Please mark the response as “**Additional Information for CN594327**”.

Please let me know if you have any questions.

Thanks.  
Bryan

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## **Request for Additional Information**

**Michigan State University – FRIB-NSCL**  
**Lansing, MI (CN 594327)**

1. In Item 5 of your application dated March 14, 2017, you indicated that Subitems I, J, K and L would have the chemical and/or physical form of "Incidentally activated products." From our discussions with you onsite on May 17, 2017 regarding these items, it appears that while the aforementioned terms properly describe Subitem I, Subitems J, K and L appear to be activation products that will be used for research & development (R&D) purposes.

Please provide clarification regarding the description of Subitems J, K and L under Item 5.

2. In Item 6 of your application dated March 14, 2017, you indicated that Subitems I, J, K and L would be used for "possession and storage of byproduct materials incident to their production by an accelerator in accordance with regulations." From our discussions with you onsite on May 17, 2017 regarding these items, it appears that while the aforementioned terms properly describe Subitem I, Subitems J, K and L appear to be activation products that will be used for R&D purposes.

Please provide clarification regarding the description of Subitems J, K and L under Item 6, similar to your description of Subitems A through D.

3. From our discussions with you onsite on May 17, 2017 regarding Subitem I in Item 6, it appears that operations and/or maintenance personnel may conduct service activities on various parts and components of the machine that contain or include incidentally activated products.

Please provide further description in Item 6 for Subitem I to account for these service/maintenance activities.

4. In your application dated March 14, 2017, you make several references to NUREG-1556, Volume 11, Rev. 0 and certain appendices contained therein. As we discussed during our onsite visit on May 17, 2017, Revision 1 of Volume 11 has now been published (Feb 2017) and is available on the NRC website (<https://www.nrc.gov/reading-rm/doc-collections/nuregs/staff/sr1556/v11/>). With this revision, several significant changes were made and many appendices were deleted, revised and/or rearranged.

Please review your application and make any necessary updates to content or commitments with regard to Volume 11, Rev. 1. Also, please re-iterate any references to the appendices made in the application.

(NOTE: As discussed, it is not necessary to re-submit the entire application, but simply re-word the affected sections.)