

**From:** [Ford, Monica](#)  
**To:** [Kelly.Sciole@nemours.org](mailto:Kelly.Sciole@nemours.org)  
**Cc:** [Lanzisera, Penny](#)  
**Subject:** NRC Request for Additional Information for Nemours Alfred I. duPont License Amendment to add PET/MR Suite and F18 FDG for clinical use (Mail Control Number 592318)  
**Date:** Tuesday, December 20, 2016 9:43:00 AM

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Docket No. 03019939

License No. 07-16199-02

Control No. 585534 *592318 mg*

Kelly Sciole, CNMT, RSO (Medical)  
Nemours Alfred I. duPont Hospital for Children  
Medical Imaging Department  
1600 Rockland Road  
Wilmington, DE 19803

SUBJECT: NEMOURS ALFRED I. DUPONT HOSPITAL FOR CHILDREN, REQUEST FOR ADDITIONAL INFORMATION CONCERNING LICENSE AMENDMENT REQUEST TO ADD PET/MR SUITE AND F18 FDG FOR CLINICAL USE, CONTROL NO. 592318

Dear Ms. Sciole:

Please reply to this email to confirm receipt.

This is in reference to your application dated November 2, 2016, requesting to amend Nuclear Regulatory Commission license 07-16199-02 to add a PET/MR Suite and F18 FDG for clinical use. In order to continue our review we need the following additional information:

- 1) You provided a drawing of the PET/MR Suite, however you do not show the QC lab that will be used for assaying PET doses in relation to the suite. Please provide a drawing which shows the location of the QC Lab in relation to the PET/MR Suite. Additionally, please note on the drawing any shielding (lead, concrete) that is in place in the QC lab.
- 2) In your letter dated October 1, 2016, items 3. and 4. discuss equipment that will be available for the assaying of PET doses and also for shielding. Please confirm that this is still the equipment that will be available for use.

Current NRC regulations and guidance are included on the NRC's website at [www.nrc.gov](http://www.nrc.gov); select **Nuclear Materials; Med, Ind, & Academic Uses**; then **Licensee Toolkits**, see our **toolkit index page**. You may also obtain these documents by contacting the Government Printing Office (GPO) toll-free at 1-866-512-1800. The GPO is open from 8:00 a.m. to 5:30 p.m. EST, Monday through Friday (except Federal holidays).

We will continue our review upon receipt of this information. Please reply to my attention at the Region I Office and refer to Mail Control No. 592318. If you have any technical questions regarding this deficiency letter, please call me at (610) 337-5214.

In order to continue prompt review of your application, we request that you submit your response to this letter by January 3, 2017.

Thank you for your cooperation.

Monica Ford

Monica Ford  
Regional State Agreements Officer  
U.S. NRC – Region I  
610-337-5214 (office)  
703-472-3499 (cell)