



UNITED STATES  
**NUCLEAR REGULATORY COMMISSION**  
REGION I  
475 ALLENDALE ROAD  
KING OF PRUSSIA, PENNSYLVANIA 19406-1415

July 14, 2011

Docket No. 030-38331  
Control No. 575595

License No. 34-32780-02

Willie Regits, Ph.D.  
Corporate Health Physicist  
Cardinal Health 414, LLC  
7000 Cardinal Place  
Dublin, OH 43017

**SUBJECT: CARDINAL HEALTH 414, LLC, REQUEST FOR ADDITIONAL INFORMATION CONCERNING FINANCIAL ASSURANCE FOR LICENSE, CONTROL NO. 575595**

Dear Dr. Regits:

This is in reference to our letter dated July 13, 2011 issuing your new License No. 34-32780-02, in which we stated that a licensing action with a new control number would be opened to track the activities associated with providing acceptable financial assurance for this license. This new licensing action is assigned Control No. 575595, and you should refer to this control number in your correspondence related to providing the required financial assurance. For most new license applications, the new license would not be issued until financial assurance was provided. However, because you have been operating the cyclotron prior to the Energy Policy Act of 2005, which required the NRC to have jurisdiction over the materials produced by the cyclotron, we are continuing the review of financial assurance separately.

As stated in our requests for information during the license application review, your license requires the provision of financial assurance for decommissioning pursuant to 10 CFR 30.35. The quantities and forms of long-lived radioactive materials (those with half-lives greater than 120 days) listed on your license require you to provide:

- 1) A Decommissioning Funding Plan (DFP) for your Connecticut facility that includes an actual estimate of the costs for decommissioning your facility. The appropriate level of detail for the cost estimate is discussed in Appendix A.3 of NUREG-1757, "Consolidated NMSS Decommissioning Guidance," Volume 3, "Financial Assurance, Recordkeeping, and Timeliness" (NUREG-1757, Vol. 3).

Please note that you should submit the DFP and cost estimate for review and acceptance, prior to obtaining the financial assurance instrument.

- 2) A mechanism to fund the DFP, in the amount of the cost estimate. Please follow closely the recommended wording for financial assurance mechanisms found in Appendix A to NUREG-1757, Vol. 3. In addition, we recommend that you use the checklist for the applicable instrument you choose, to ensure that all supporting documents are submitted.

- 3) A Certification of Financial Assurance, as described in Section A.2 of Appendix A to NUREG-1757, Vol. 3. The Model Certification of Financial Assurance shown in Section A.2.4 should be used.

The current NUREG-1757, Vol. 3 guidance can be found on the NRC website using the following URL: <http://www.nrc.gov/reading-rm/doc-collections/nuregs/staff/sr1757/v3/>.

We understand that you have multiple NRC licenses in Regions I and III for which financial assurance is required, and that you are considering the use of a single financial assurance mechanism for all the licenses. If you choose to do this, we will coordinate our activities with Region III staff. The DFP and cost estimate will still be required for each facility.

Current NRC regulations and guidance are included on the NRC's website at [www.nrc.gov](http://www.nrc.gov); select **Nuclear Materials; Medical, Academic, and Industrial Uses of Nuclear Material; Regulations, Guidance, and Communications**. 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 7:00 a.m. to 6:30 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. 575595. If you have any technical questions regarding this deficiency letter, please call me at (610) 337-5040.

If we do not receive a reply from you within 30 calendar days from the date of this letter, we will assume that you do not wish to pursue your application.

Sincerely,

***Original signed by Elizabeth Ullrich***

Betsy Ullrich  
Senior Health Physicist  
Commercial and R&D Branch  
Division of Nuclear Materials Safety

cc:  
James Matthews, Radiation Safety Officer

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**SUNSI Review Complete: EUllrich**

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