



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

September 7, 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 your letter dated August 11, 2011 providing a decommissioning funding plan (DFP), cost estimate, and financial assurance instrument for Nuclear Regulatory Commission License No. 34-32780-02. In order to continue our review, we need the following additional information:

1. The DFP and cost estimate were reviewed. Although you selected a value for cobalt-57 which is not in accordance with NRC regulations, resulting in a sum-of-fractions that is less than the NRC staff calculated using the values in NRC regulations, you used a DFP and cost estimate to determine the amount of financial assurance to be submitted. A DFP is required by NRC calculations, so the sum-of-fractions you determined does not affect the NRC requirement. The DFP provided as the basis for the cost estimate of \$371,635.25 is accepted. No response to this item is required.
2. You provided a Surety Bond in the amount of \$500,000 as the financial assurance instrument for the above-listed license. The surety bond in that amount is accepted. The Power of Attorney provided also is accepted. However, additional documents in support of the financial assurance instrument must be provided as follows:
  - a. The use of a Surety Bond requires that a standby trust agreement and all supporting documentation be provided to the NRC. This is noted in Section A.9.3 and Checklist 9-A of NUREG-1757, "Consolidated NMSS Guidance", Volume 3, "Financial Assurance, Recordkeeping and Timeliness (NUREG-1757, Vol. 3). The requirements for the standby trust agreement and supporting documentation can be found in Section A.17 and Checklist 17-A of NUREG-1757, Vol. 3.
  - b. In accordance with Section A.2.5 and A.3.3 of NUREG-1757, Vol. 3, a Certification of Financial Assurance is required to be provided. The Model Certification of Financial Assurance in Section A.2.4 should be used. Please note that you are providing financial assurance in accordance with the

requirements of 10 CFR Part 30; you are not authorized to possess materials pursuant to Parts 40 or 70, and should omit those references from your documents.

- c. In accordance with Checklist 3, Section A.3.2 and A.3.3 of NUREG-1757, Vol. 3, provide a description of the means that will be used to adjust the site-specific cost estimate and associated funding levels at intervals not to exceed 3 years, as specified in 10 CFR 30.35(e).
3. Paragraph 3 of your letter requested that the NRC revise the Appendix B quantities in 10 CFR Part 30 to list accelerator-produced radioactive materials. However, this must be done separately in accordance with NRC regulations for rulemaking. Basic information for submitting a petition for rulemaking may be found on the NRC website at <http://www.nrc.gov/about-nrc/regulatory/rulemaking.html>, and detailed information is in 10 CFR 2.802. Petitions for rulemaking may be submitted by email or fax, in addition to regular mail.

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 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 contact me by telephone at (610) 337-5040 or by email to [Elizabeth.Ullrich@nrc.gov](mailto:Elizabeth.Ullrich@nrc.gov).

If we do not receive a reply from you within 30 calendar days from the date of this letter, please provide me with an update by telephone or email, explaining the reason for the delay and describing the current status of your efforts to obtain the required documentation.

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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