

Steven Courtemanche, Health Physicist
U.S. Nuclear Regulatory Commission Region I

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E.I. du Pont de Nemours and Company, Inc.
Experimental Station E322/327A
P.O. Box 80322
Wilmington, DE 19880-0322
February 04, 2005

Steven Courtemanche, Health Physicist
U.S. Nuclear Regulatory Commission Region I
Commercial and R&D Branch
Division of Nuclear Materials Safety
475 Allendale Road
King of Prussia, Pennsylvania 19406-1415

Subject: *E.I. du Pont de Nemours and Company, Inc.; Request for Additional Information Concerning Application for Amendment to License (No. 07-00455-27), NRC Control Number 136095.*

030-03859

Dear Mr. Courtemanche:

I am responding to your request for additional information to continue the review from your phone request February 2, 2005 with regard to the amendment of our existing NRC license.

1. re. Submitted changes to the December 2, 2004 application Item 5. Radioactive Material Table 5-1 Sealed Radioactive Sources for compliance with 10 CFR 30.32(g).

January 26, 2005 RESPONSE:

- 1) Polonium 210 - As of 1997 we were, as recognize by the Radiation Safety Officer at that time, no longer in possession of two static charge neutralizers Model P-2021, $\leq 0.5\text{mCi}$, S/N's 32768 and 32769 listed on the Chestnut Run Plaza site inventory. Therefore the request to delete Polonium 210 from the license. A search of the records, then and currently to respond to this application, do not identify whether the units were disposed by our radioactive waste process or returned to the vendor prior to 1997 or after 1997.

February 2, 2005 Request from Mr. Courtemanche: Provide clarification of the request for deletion, as to the final disposition of the 1984 specifically licensed Nuclear Products Model IB 4500 - Polonium 219 sealed source to be deleted and the status of the leak test.

February 4, 2005 RESPONSE:

- 1) An additional review of the DuPont records (1984-present) for sealed sources was conducted to determine the disposition of the stated sealed source. Return to vendor records for disposal and DuPont waste management disposal records for the Dupont Chestnut Run and the Experimental Station sites were reviewed and the status of the sealed source was inconclusive as to its final disposition. Contact was made on two occasions with personnel at NRD company, which acquired Nuclear Products, to inquire whether their records designated that the source in question was returned to them for disposal. Their search of NRD and available Nuclear Products records did not indicate that the source was returned to Nuclear Products nor NRD. It is our belief that the depleted sealed source was either returned to vendor

136095

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Nuclear Products for disposal or included in radioactive waste as a final disposition as was, and is the available practices for disposal of sealed sources.

I trust that this letter meets your requirements for the information you requested. If you have any questions or comments regarding this submittal, feel free to call or eMail me.

Sincerely,



Keith A. Swain

Sr. Consultant Safety, Health and Environmental/Acting Radiation Safety Officer

E.I. du Pont de Nemours and Company, Inc.

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