



E.I. DU PONT DE NEMOURS & CO. (INC.)
MEDICAL PRODUCTS DEPARTMENT

September 12, 1989

United States Nuclear Regulatory Commission
Region I
475 Allendale Road
King of Prussia, Pa. 19406

Attn.: John D. Kinneman, Chief
Nuclear Materials Safety Section B
Division of Radiation Safety and Safeguards

Reference: Materials License No. 20-00320-21

Gentlemen:

This is written in response to a request by C. Thor Oberg of your office for a report on a recent license verification situation involving a Du Pont sealed source shipped to Babcock & Wilcox in Lynchberg, Virginia.

The facts of this situation are as follows:

1. The customer, Babcock & Wilcox, Lynchberg, Va., ordered a Du Pont custom sealed source of 200 millicuries Indium-114m on March 15, 1989. This order was placed by phone through a Du Pont, Greater Boston Area, Sources Marketing representative.
2. The Sources Marketing representative communicated the order to Customer Service, who entered the the order information into the computerized automatic order-entry system.
3. The computer system performed the automatic license verification procedure and processed the customer's order.
4. The Du Pont In-114m sealed source with an activity of 185 millicuries was shipped to the customer on August 31, 1989.
5. On Wednesday, September 6, 1989, the customer notified the representative of the Sources Marketing that they were not properly licensed for the sealed source at the address used as the shipping destination.
6. On Thursday, September 7, 1989, C. Thor Oberg, USNRC Region I, contacted the Du Pont Greater Boston Area and requested information on this situation.

MEDICAL PRODUCTS DEPARTMENT

331 Treble Cove Road, No. Billerica, MA 01862 Telephone 508-667-9531

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An internal investigation at the Greater Boston Area involving representatives of License Verification, Sources Marketing and Safety and Environmental Affairs determined the following additional facts:

7. In the Du Pont License Verification files, the two NRC licenses for the customer at the Lynchberg location (SNM-42 and SNM-778) had very similar "ship to" addresses. In addition, the customer's DOE prime contractor authorization was also on file for the same location.
8. Based on the customer account number originally used for this order, the source was to be shipped in accordance with the customer's license SNM-42. However, the computer system executing the automatic license verification failed to flag and stop the order since the customer's possession limit for In-114m is 100 millicuries.
9. The computer system continued to process the order based on the DOE prime contractor category (reference the regulations of Title 10 CFR, Part 70, Section 70.11) set-up for this customer.

As of September 11, the following corrective actions have been implemented:

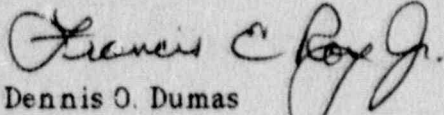
1. The license files in the automatic order-entry computer system for this customer have been modified to specify the following "ship to" addresses:

Account No.:	002305-3	002306-02
License No.:	SNM-778	SNM-42
Address:	Babcock & Wilcox NNFD Research Lab. Attn.: Dick Bennet RSO Lynchberg, VA.	Babcock & Wilcox Naval Nuclear Fuel Div. Attn.: Rex Borders RSO Lynchberg, VA.
2. All DOE prime contractor license categories have been deleted from the automatic order-entry system and therefore will not be used in the computerized license verification procedure.
3. All custom orders will be manually verified through the License Verification group.
4. A test of the automatic order-entry system has been completed to ensure that all custom orders go on license hold for manual processing by the License Verification group.

Safety and Environmental Affairs will continue to work closely with the License Verification and Customer Service organizations to recognize and resolve any licensing situations before they become regulatory issues.

Please contact me if you require any additional information.

Sincerely,



for Dennis O. Dumas
Radiation Safety Officer
Area Supervisor, Safety and Environmental Affairs



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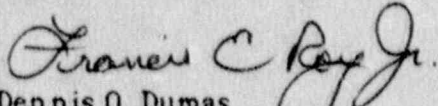
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