



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

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SEP 29 1987

MEMORANDUM FOR: John E. Glenn, Chief
Nuclear Material Safety, Section B,
Division of Radiation Safety and
Safeguards, Region I

FROM: Vandy L. Miller, Chief
Medical, Academic, and
Commercial Use Safety Branch
Division of Industrial and
Medical Nuclear Safety, NMSS


SUBJECT: TRANSPORTATION EXEMPTION REQUEST ISOMEDIX, INC. DATED
JULY 9, 1987

Isomedix, Inc. by application dated July 9, 1987, requests a one time exemption from the requirements of 10 CFR Part 71 (see Fuel Cycle Policy and Guidance Directive FC 84-18) to ship a non-certified shipping cast containing approximately 50,000 curies of cobalt 60 from Parsippany, NJ to Whippany, NJ. The total distance of the shipment is 2.4 miles. The shipment would be transferred after rush hour at a controlled, reduced speed. An escort would be provided consisting of local police and an Isomedix, Inc. radiological survey team.

In connection with our review, we need the following additional information:

1. Item 3 (d through g) of Policy and Guidance Directive FC 84-18: Transportation of irradiator units meeting current requirements of 10 CFR Part 71 (copy enclosed).
2. Licensee shall obtain (and provide a copy to the NRC) from the State Health Officer of New Jersey, written confirmation that the State has no objections to the special controls in lieu of the requirements of 10 CFR Part 71 for the one time shipment.

If you should have any questions regarding the above, please contact Sterling Bell at FTS 427-9026.


Vandy L. Miller, Chief
Medical, Academic, and
Commercial Use Safety Branch
Division of Industrial and
Medical Nuclear Safety, NMSS

Enclosure:
As stated

"OFFICIAL RECORD COPY"

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File

MEMORANDUM FOR: Regional Administrators

Branch Chiefs
Division of Fuel Cycle and Material Safety, NMSS

FROM: Richard E. Cunningham, Director
Division of Fuel Cycle and Material Safety, NMSS

SUBJECT: POLICY AND GUIDANCE DIRECTIVE FC 84-18: TRANSPORTATION
OF IRRADIATOR UNITS NOT MEETING CURRENT REQUIREMENTS OF
10 CFR PART 71

Prior to the adoption of the requirements of 10 CFR Part 71 in 1966, irradiators could be transported without being evaluated under the accident damage test requirements that are now incorporated in Part 71. Many of these irradiators are in use and from time to time need to be transported to a new location.

In those cases where the irradiator cannot be practically transported in packagings which meet the requirements of Part 71, the licensee may request a one-time shipment in accordance with 10 CFR §§71.7 and 71.41(c). The shipment can only be authorized by Headquarters. In applying for a one-time shipment, the licensee must provide adequate controls such that the shipment will not endanger life or property.

The following information is typical of what the licensee has been requested to submit to Division of Fuel Cycle and Material Safety, NMSS, to support one-time shipment requests:

1. The circumstances as to why an existing package cannot be used.
2. Engineering drawings of irradiator.
3. Information to confirm:
 - a. Transport during time of low road usage.
 - b. Use of good roads and avoidance of residential areas to maximum extent possible.

~~EXHIBIT 70009~~

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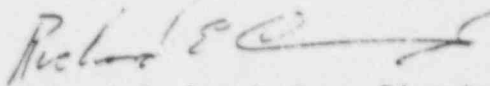
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- c. Accompaniment of shipment by escort knowledgeable in the use of radiation survey instrument.
- d. Provision of escort with appropriate survey instrument and supplies to permit the establishment of a radiation exclusion area.
- e. Written procedures to be followed by the escort in an emergency situation.
- f. Use of exclusive use vehicle and shoring to limit movement of package during transport.
- g. Notification of state health officials and local fire department of time and route of shipment.

Prior to applying to the NRC for its approval, the licensee should contact the State Health Officer of each state through which the shipment will be made to confirm the points of contact and to discuss the proposed controls for the shipment. In several recent cases, short distance shipment of irradiators have been successfully made with the cooperation of state officials.

All requests for shipments of irradiators containing the above information should be referred to the Material Licensing Branch who will coordinate the approval authorizing the shipment with the Transportation Certification Branch.

All new irradiators are expected to meet the requirements of Part 71.


Richard E. Cunningham, Director
Division of Fuel Cycle and
Material Safety, NMSS

CONTACT:
R. H. Odegaarden
301/427-4122