

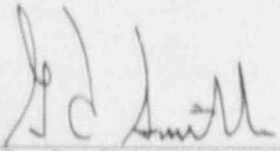
U. S. NUCLEAR REGULATORY COMMISSION  
REGION I

Report No. 9999-016

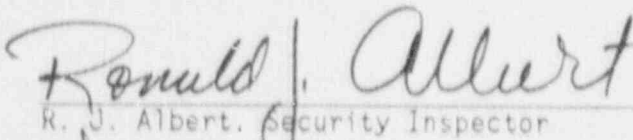
Docket No. Edlow International Company  
1666 Connecticut Avenue  
N. W. Suite 500  
Washington, DC 20006

Inspection At: Dundalk Marine Terminal, Baltimore Maryland

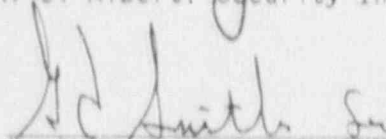
Inspection Conducted: December 19, 1990

Inspectors:   
G. C. Smith, Senior Security Specialist

12/21/90  
date

  
R. J. Albert, Security Inspector

12-21-90  
date

Approved by:   
R. R. Keimig, Chief, Safeguards Section  
Division of Radiation Safety and Safeguards

12/21/90  
date

Inspection Summary: Inspection on December 19, 1990 (Report 9999-016)

Areas Inspected: Routine announced inspection of an irradiated reactor fuel shipment at a scheduled port of call, Atlantic Container Lines Marine Terminal, Elizabeth, New Jersey. The shipment was not off-loaded at this port. The inspection included a review of the requirements for shipments of irradiated fuel by sea while docked at a U.S. port in a heavily populated area.

Results: No violation was identified in the area inspected.

## DETAILS

### 1. Key Persons Contacted

\*F. Oshinowo, Assistant Manager Operations, Edlow International Company  
C. Jangson, Superintendent, Atlantic Container Lines  
J. Kyle, Officer, Lansdowne Protective Service  
R. Anderson, Officer, Lansdowne Protective Service  
H. Montique, Officer, Lansdowne Protective Service  
J. Scott, Officer, Kearny, New Jersey Police Department  
B. O'Neill, Officer, Kearny, New Jersey Police Department

\*denotes telephone contact

### 2. Exit Interview

Due to the nature of the inspection, no formal exit interview was held. The results of the inspection were discussed by telephone between Ms. F. Oshinowo, Assistant Manager-Operations, Edlow International Company and the inspector.

### 3. Background

Region I was notified by letter of November 19, 1990, from the licensee, that a shipment, by sea, of irradiated reactor fuel, from Sweden to Japan, would make a scheduled stop at the Atlantic Container Line (ACL) Marine Terminal, Elizabeth, New Jersey on or about December 19, 1990. The NRC imposes certain requirements on such shipments when the carrying vessel is within U.S. waters and when docked at U.S. ports. This inspection was conducted to confirm that the licensee had met those requirements.

### 4. 81310-Physical Protection for the Transportation of irradiated Reactor Fuel

The inspector determined, as described below, that the licensee followed established procedures and NRC regulatory requirements for the physical protection of irradiated reactor fuel at a U.S. port of call.

- a. Verification that the vessel carrying the irradiated fuel was a container ship.
- b. Verification that the vessel, while docked at the ACL terminal, which is within a heavily populated area (New York-Northeastern New Jersey), was protected by two armed escorts stationed at a location that permitted observation of the cargo area on the vessel where the shipment was stored.

- c. Verification that the armed escorts were equipped with radio communications, were capable of requesting assistance, and that the required periodic communications were being made.
- d. Verification that a continuously staffed communications center had been established to facilitate such communications and that a log was being maintained of the required communication.

The inspector also interviewed the Lansdowne Protective Service officers that were contracted by the licensee to provide security for the shipment. The officers were found to be knowledgeable of the NRC's regulatory requirements for this type of shipment. No deficiencies were identified in the area inspected.