

PREDECISIONAL DRAFT

Protocol Topic: Security

I. Introduction

This protocol addresses actions taken to ensure the security of DOE shipments of radioactive material(s).

Security of the material will be provided through compliance with NRC regulations in 10 CFR 73, equivalent DOE requirements, or DOT requirements/industry practices, depending on the ownership of the radioactive material, type and quantity of radioactive material, and whether the transport activity falls under NRC license. Early in the shipment planning process, the responsible DOE program will identify the federal security regulations and requirements applicable to the shipment so state and tribal officials can plan accordingly in consultation with the responsible DOE program. Appropriate MOUs/MOAs also will be identified and followed in planning the security of radioactive shipments.

Information dealing with the security of radioactive shipments in transit can be sensitive in nature. Depending on the type and quantity of material being shipped, this information may need to be protected as Safeguards Information under NRC regulations or as Unclassified Controlled Nuclear Information under DOE requirements. Access to such information is controlled based on a "need to know".

Assessments of possible security threats against shipments (e.g., civil unrest directed towards a shipment, malevolent action against a shipment, activity to interfere with the progress of a shipment, etc.) are performed by both internal DOE and external organizations, as applicable. These threat assessments are used to assist in determining security measures for shipments.

II. Security

A. Non-Classified Shipments

1. Spent Nuclear Fuel

- a. Security will be provided in compliance with NRC requirements in 10 CFR 73 for shipments subject to NRC regulation (e.g., NWPAA shipments, research reactor SNF) or to equivalent DOE requirements for those not subject to NRC regulation (e.g., DOE-owned spent fuel). NRC regulations and DOE requirements prohibit disclosure of safeguards and security information to persons without a valid "need to know".
- b. For shipments subject to NRC regulations, armed escorts are provided in heavily populated areas and during transit the shipment is under constant surveillance by the drivers or escorts. Other shipments will be

escorted as needed to meet equivalent requirements approved by DOT under 49CFR 173.22(c)(2).

- c. Liaison with state and tribal law enforcement officials will be provided by DOE.
- d. In addition to the above, for Foreign Research Reactor Fuel shipments:
 - (1) Upon arrival in coastal waters, security zones are established around the ship by the U.S. Coast Guard.
 - (2) Overland transport security is coordinated with state and tribal law enforcement officials and the involved railroad and motor carriers.
 - (3) TRANSCOM will be used to track shipments, as described in the Tracking Protocol.
- e. In addition to (a) - (c) above, for shipments made under the Nuclear Waste Policy Act, as Amended (NWPAA):
 - (1) Security will be part of driver certification/training.
 - (2) TRANSCOM will be used to track NWPAA shipments, as described in the Tracking Protocol.

2. Low Level Waste, Mixed Low-Level Waste, Isotopes

Security during transport is provided by the carrier in accordance with the carrier's responsibility for care and custody of material in its possession.

3. Transuranic Waste Shipments

a. Shipments to the Waste Isolation Pilot Plant (WIPP)

- (1) Escorts may be provided by state, tribal, or local jurisdictions, at their discretion.
- (2) Shipments to WIPP will be tracked through TRANSCOM as described in the Tracking Protocol.
- (3) During transit the shipment is under constant surveillance by the drivers.
- (4) Liaison with states and tribes will be maintained regarding security concerns as may be identified.

b. Other TRU Shipments

Procedures for TRU shipments to sites other than WIPP are being considered.

4. Tritium-Bearing Reactor Components

- a. Escorts are not required.
- b. Shipments will be tracked by TRANSCOM as described in the Tracking Protocol.

- c. Specific security measures will depend on the outcome of threat assessments.
- d. The carrier is responsible for security during shipment.

B. Classified National Security Shipments

- 1. Armed Federal Agents accompany each TSD shipment. These agents are trained to protect and defend shipments from any adversary attack and/or following an accident.
- 2. The trailers used for the transportation of nuclear weapons are specially designed vehicles which incorporate safeguards to prevent unauthorized removal of the cargo.
- 3. TSD SECOM monitors, tracks and provides communication with every convoy on the road as described in the Tracking Protocol.
- 4. State law enforcement officials are briefed through the Transportation Safeguard Division's state liaison program.
- 5. For naval spent fuel:
 - a. Shipments are escorted full-time by armed, specially trained couriers who maintain 24 hour surveillance.
 - b. Close liaison is maintained with rail carrier police departments who coordinate with state and local law enforcement officials as necessary. Rail carrier police departments are provided advance information for each shipment.
 - c. TSD SECOM monitors, tracks and provides communication with every shipment as described in the Tracking Protocol.
 - d. State law enforcement officials are briefed through the Transportation Safeguard Division's state liaison program.