

Integrated Approach to Transport Security & Incident Response

Armed Escort of
Spent Nuclear Fuel
Shipments





SLED Headquarters

SLED: ...provide quality manpower and technical assistance to law enforcement agencies and to conduct investigations on behalf of the state as directed by the Governor and Attorney General.

South Carolina State Agencies & Roles:

- Department of Health & Environmental Control (SCDHEC):
 - Governor's Designee
 - Radiation Response Unit
- South Carolina Law Enforcement Division (SLED):
 - Lead law enforcement agency for the State of South Carolina
 - Coordinate and provide law enforcement measures for DOE SNF shipments
- South Carolina Emergency Management Division (SCEMD):
 - State Warning Point
 - State coordinating agency for SNF incidents within impacted county

South Carolina State Agencies & Roles (con't):

- South Carolina Department of Natural Resources (SCDNR):
 - Provides maritime support to US Coast Guard and law enforcement protective measures at railroad trestles over waterways.
 - Supports SLED with law enforcement protective measures during the escort of SNF shipments.
 - Authority to issue Hunting and Fishing Ban.
- South Carolina Department of Public Safety (SCDPS) – State Transport Police (STP):
 - Supports SLED with law enforcement protective measures during the escort of SNF shipments.
 - Monitors for any abnormal levels of radiation during the escort of SNF shipments.
- Railroad Police:
 - Provide an additional line of communication between escort team, locomotive, and railroad dispatch.
 - Ability to enforce federal laws related to the railroad (ex. trespassing).

Escort Training/Exercise



- Agents to become accustomed to the train environment; operating/responding from a train (tunnel response) on railroad tracks.

- Primary goal for the escort agents:
 - Keep shipment moving
- Communication and Notification



Planning:

Coordination:

- Local, Federal, State
- DOE
- Domestic Transport
- Railroad

Logistics:

- Radios / SAT Phones
- Support (Food / Fuel)
- Notification List

Advance:

- Aerial Survey
- Route Survey
- Intelligence



Operational:

- Route Clearance
- EOD Support
- Command
- Response
- Other (Intel, Dispatch, etc.)



Incident Response Considerations

SC Rail Incidents Due to Human Error.

Graniteville, SC: January 6, 2005

- Cause – Incorrectly toggled switch diverted train off the main line onto a spur and colliding with a parked train (9 killed).



Cayce, SC: February 4, 2018

- Cause – Incorrectly toggled switch diverted train off the main line onto a sidetrack and colliding with a parked train (2 killed).



Questions?

- Captain Brandon Landrum
- Blandrum@SLED.SC.GOV
- 803-896-7217

