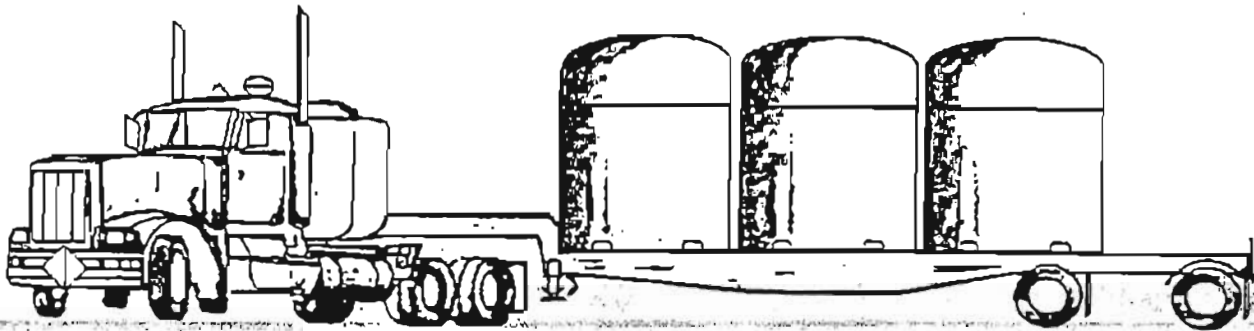


**Emergency Planning, Response, and Recovery
Roles and Responsibilities
for
TRU-Waste Transportation Incidents**



January 1995

**United States Department Of Energy
Albuquerque Operations Office**

**Carlsbad Area Office
National TRU Program Office**

National TRU Program Office
Emergency Planning, Response, And Recovery
Roles And Responsibilities
For
TRU-Waste Transportation Incidents
DOE/CAO-94-1039

Approved by

Mark L. Matthews

Date

1-10-95

Mark L. Matthews, Manager
National TRU Program Office
Carlsbad Area Office

Approved by

George E. Dials

Date

1-10-95

George E. Dials, Manager
Carlsbad Area Office

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Table Of Contents

	List of Attachments	iv
	List of Tables	v
	List of Acronyms	vi
1.	Policy	1
2.	Purpose	1
3.	Background	2
4.	Response Concepts	3
5.	Roles and Responsibilities	4
	5.1 Assistant Secretary, Office of Environmental Restoration and Waste Management	4
	5.2 Assistant Secretary for Defense Programs	7
	5.3 Deputy Assistant Secretary for Military Application	7
	5.4 Director, Emergency Operations	7
	5.5 Albuquerque Operations Office	7
	5.6 DOE Senior Official:	8
	5.7 Carlsbad Area Office	9
	5.8 CAO - Incident/Accident Response Team [Team Leader]	9
	5.9 Management and Operating Contractor	10
	5.10 The TRU-waste Carrier	11
	a. Main Office	11
	b. TRU-waste Carrier Drivers	11
	5.11 DOE Regional Coordinating Office	12
	5.12 DOE Regional Radiological Assistance Teams	12
	5.13 Shipping Organization (The generator site shipping the waste)	13
	5.14 TRANSCOM Control Center	13
6.	Conclusion	13

**Emergency Planning, Response, And Recovery
Roles And Responsibilities
For
TRU-Waste Transportation Incidents**

List of Attachments

1.	Proposed TRU-Waste Truck Transportation Routes	15
2.	Emergency Notification Flow Chart	16
3.	DOE 24 Hour Emergency Contact Numbers	17

**Emergency Planning, Response, And Recovery
Roles And Responsibilities
For
TRU-Waste Transportation Incidents**

List of Tables

Table 4.1	TRU-waste Emergency Response Tier Level Classification Criteria and Response Actions	5
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Emergency Planning, Response, And Recovery Roles And Responsibilities For TRU-Waste Transportation Incidents

List of Acronyms

AL	-	Albuquerque
ALOC	-	Albuquerque Operations Center
CAO	-	Carlsbad Area Office
CFA	-	Cognizant Federal Agency
CH	-	Contact Handled
CMR	-	Central Monitoring Room
DoD	-	U.S. Department of Defense
DOE	-	U.S. Department of Energy
DOT	-	U.S. Department of Transportation
EOC	-	Emergency Operations Center
FRERP	-	Federal Radiological Emergency Response Plan
HQ	-	Headquarters
IART	-	Incident/Accident Response Team
LFA	-	Lead Federal Agency
MOC	-	Management and Operating Contractor
NRC	-	U.S. Nuclear Regulatory Commission
OEMT	-	Operational Emergency Management Team
OIEA	-	Office of Internal and External Affairs
POC	-	Point of Contact
PSO	-	Program Safety Officer
RAP	-	Radiological Assistance Program
RAT	-	Radiological Assistance Team
RCO	-	Regional Coordinating Office
RH	-	Remote Handled
RRC	-	Regional Response Coordinator
SARP	-	Safety Analysis Report for Packaging
TCC	-	TRANSCOM Control Center
TEPP	-	Transportation Emergency Preparedness Program
TRANSAX	-	Transportation Exercise
TRANSCOM	-	<u>TRAN</u> Sportation Tracking and <u>COM</u> munication System
TRU	-	Transuranic
TRUPACT-II	-	Transuranic Package Transporter
WIPP	-	Waste Isolation Pilot Plant

**Emergency Planning, Response, And Recovery
Roles And Responsibilities
For
TRU-Waste Transportation Incidents**

1. Policy

The safety and health of the people and the protection of our environment are priorities of the United States Department of Energy (DOE). The safety and health of our employees, our contractor's employees, and the community must be primary considerations for all DOE Programs. Similarly, we must conserve and protect our natural resources.

All DOE and DOE contractor managers will provide and maintain safe, healthful, and environmentally sound working conditions. Operating practices must safeguard employees, neighbors, and customers, their work place and surroundings.

All employees will participate fully in safety, health, and environmental programs. No task will be considered complete unless all employees have followed every precaution, procedure, and rule to protect themselves, fellow workers, and the community. Safety, health, and the environment are inseparable from productivity at the DOE.

2. Purpose

The purpose of this document is to define DOE roles and responsibilities for emergency response to a TRU waste transportation incident. Roles and responsibilities are defined for the Assistant Secretary, Office of Environmental Restoration and Waste Management; the Assistant Secretary for Defense Programs; the Deputy Assistant Secretary for Military Application; the Director, Emergency Operations; the DOE Albuquerque Operations Office; the DOE Senior Official; the Carlsbad Area Office (CAO); the CAO - Incident/Accident Response Team [Team Leader]; the Management and Operating Contractor; the TRU-waste Carrier; the DOE Regional Coordinating Office; the DOE Regional Radiological Assistance Teams; the Shipping Organization; and the TRANSCOM Control Center.

It is important to note that this document applies to all uses of the TRU-waste transportation system. This includes all uses of the TRU-waste containers whether empty, partially full, or full, transporting Contact Handled (CH) or Remote Handled (RH) waste. As additional packaging(s) are developed for shipping TRU waste, this document will be modified accordingly.

The terms "package and packaging" when used in the transportation field have different meanings. Packaging refers to the container only with no reference to the contents inside. Package refers to the packaging (container) as well as the contents inside. In order to simplify the use of these terms, "package" will be used throughout this guide referring to the container, without regard to the contents which may be inside, unless the distinction is required.

3. Background

Following TRANSAX-90 and a subsequent Operational Readiness Review, 1991, the WIPP Integration Office was established at the DOE AL to coordinate all WIPP related activities. In December 1993, the WIPP Integration Office was dissolved and the CAO was established in Carlsbad, New Mexico.

The type of waste for which this transportation system is designed is TRANSURANIC or "TRU" referring to those elements in the "Periodic Table of the Elements" that are "beyond" or come after uranium. Since the Periodic Table of Elements lists the elements from lightest to heaviest, material contaminated with radioactive elements that are heavier than uranium have been given the name TRANSURANIC or TRU-waste.

Since the late 1950's the DOE has sponsored the Radiological Assistance Program (RAP). The RAP is designed to make DOE resources available to other DOE facilities, i.e., Waste Isolation Pilot Plant (WIPP), Pantex, Mound, etc., as well as state, tribal, local, and other governmental agencies for the explicit purpose of assisting in the assessment and, to a lesser extent, in the mitigation of radiological incidents. Recently the Incident/Accident Response Team (IART) was added to this program.

It is through the Federal Radiological Emergency Response Plan (FRERP, Nov. 1985) that DOE has been assigned the responsibility of assisting the state, tribal, and local governments in the event of a radiological emergency. More importantly, the FRERP also defines the DOE as the Lead Federal Agency (LFA) in the case of transportation incidents involving DOE owned nuclear materials. The FRERP states:

"For a transportation accident involving materials shipped by or for (Department of Defense, ed.) DoD, DOE, those agencies, as (Cognizant Federal Agencies, ed.) CFAs, will define and control the on-site areas and take action on site depending on which of these agencies has custody of the material at the time of the incident." (FRERP, Federal Register/Vol 50, No. 217/ Friday Nov. 8, 1985 / Notices, page 46543)".

An estimated 20,000 shipments of TRU-waste are planned to be transported to WIPP. The shipments will come from ten TRU-waste generating and storage sites including: Hanford Reservation, Washington; Idaho National Engineering Laboratory, Idaho; Rocky Flats Environmental Technology Site, Colorado, (formerly Rocky Flats Plant); Lawrence Livermore National Laboratory, California; Nevada Test Site, Nevada; Los Alamos National Laboratory, New Mexico; Argonne National Laboratory, Illinois; Mound, Ohio; Oak Ridge National Laboratory, Tennessee; and Savannah River Plant, South Carolina (Attachment 1).

The Department of Transportation (DOT) has set requirements and responsibilities for shippers and carriers of hazardous materials. Normally the response and the organization of the response would be the responsibility of the carrier. The shipper is the primary point of contact (POC) and the carrier is required to have a mechanism to mitigate an incident. The DOE's TRU-waste emergency notification process and contacts are illustrated in Attachments

2 and 3. Since DOE is the shipper, the responsibility for response is with the DOE and the TRU-waste carrier.

DOE's response to a TRU-waste shipment incident was formalized with the release of the first version of the Roles and Responsibilities document in June 1991. DOE recognizes that, because of the large number of shipments and the high level of public sensitivity, a well defined incident response organization is required. DOE will not wait for a request from an outside agency to evaluate the severity of an incident, mobilize response elements, and, if needed, take mitigating actions since DOE has shipping, transporting, and receiving responsibilities for TRU-waste. These activities are required of any shipper/carrier should an incident involving hazardous materials occur.

To assist in the management of sensitive DOE shipments, DOE developed TRANSCOM. TRANSCOM, TRANsportation Tracking and COMmunication System, is a two-way communication system which combines navigation techniques, satellite communication, and computer networks to monitor the movement of shipments while enroute. TRU shipments are monitored 24-hours per day at the TRANSCOM Control Center (TCC) in Oak Ridge, Tennessee and the Central Monitoring Room (CMR) at the WIPP site near Carlsbad, NM. The TRANSCOM system is also available to the Albuquerque Emergency Operations Center (AL EOC) to access the drivers during an actual emergency. The TRANSCOM system is maintained and updated at Oak Ridge, Tennessee. TRANSCOM monitoring capability exists at all DOE generator sites, states, and tribes along the TRU-routes. The TRANSCOM also provides advance shipment information, current bills of lading, shipment location and emergency response information.

4. Response Concepts

It is expected that the initial response to a TRU-waste incident will be from state, tribal, or local emergency response agencies followed by the appropriate DOE Radiological Assistance Team (RAT). Later, the DOE response may be augmented by the Incident/Accident Response Team (IART). The RAT and IART are composed of experts in radiological and packaging evaluation and incident mitigation for both CH and RH packages. The Regional Response Coordinator or RAP Team Leader may be the first DOE representative to control DOE activities at the scene, thus serving as the DOE Senior Official. As additional DOE representatives arrive at the scene, AL may choose to designate a different Senior Official.

The actions to consider for the emergency response include:

- determine if a radiological release has occurred
- determine the status of the package(s)
- determine the status of the tractor/trailer and the carrier responsibilities
- determine if DOT requirements and regulations can be met, or if an exemption is required

- determine if a recovery team is necessary to perform the mechanical and logistical activities associated with returning the shipment to a roadworthy condition
- keep the state, tribal, and local officials informed on evaluation and assessment progress

Under most scenarios for transportation incidents, it is unlikely a radioactive release will occur. Therefore, most TRU-incidents will be evaluated by the local law enforcement agency officer and the carrier drivers. Upon their evaluation and recommendation, a tiered DOE RAP response may be initiated.

The DOE RAT provides assessment of any radiological release and interfaces with state, tribal, and local officials through the Incident Command System to determine the necessary follow-up. Included on the RAT team is a DOE representative from the RAP Region in which the incident occurred. Based on information received from the scene, decisions are made by AL EOC as to the level of response required. To determine the level of response, a four-level tiered Emergency Response table is utilized (Table 4.1). A DOE AL management representative, located in the AL EOC will determine the level of response. The CAO IART will respond, if necessary.

Should recovery of one or all of the package(s) become necessary, it will be accomplished following established procedures. The "Recovery Guide For Packaging" (CAO-94-1007) has been developed to communicate these procedures. A copy of this guide is available in the driver's compartment of each tractor. The drivers have been fully trained in it's implementation. A copy is also located in the CMR and can be faxed to any location to allow for site assembly of recovery equipment, if appropriate.

5. Roles and Responsibilities

5.1 Assistant Secretary, Office of Environmental Restoration and Waste Management, (EM-1)

EM-1 will:

- Ensure that necessary resources and capabilities are funded, developed, acquired, and maintained to effectively implement emergency plans and procedures.
- Within the context of the DOE Environmental Management (EM) and in coordination with the DOE Defense Programs (DP-1) and other appropriate DOE elements, establish and maintain a Transportation Emergency Preparedness Program (TEPP) for response to incidents involving the transportation of DOE hazardous materials.

Table 4.1 TRU-waste Emergency Response Tier Level Classification Criteria and Response Actions*

TIER	CRITERIA	RESPONSE ACTIONS
0	<p>Minor incident involving no noteworthy structural damage to the packages or transporter.</p> <p>[Minor Incident]</p>	<p>Verbal assessment of the incident by local law enforcement and carrier drivers (i.e., normal DOT requirements for carriers and local law enforcement response organizations). Alert the IART. If there is a potential for public controversy a DOE regional representative and a public affairs officer may be deployed.</p>
1	<p>Status of the packages is unknown or if there is potential penetration of the outer stainless steel protective skin or damage to the tie downs of the packages.</p> <p>[Potential Penetration]</p>	<p>The RCO should deploy a Radiological Assistance Team which should include a regional DOE representative, public affairs officer, and number of team members sufficient to monitor radiological conditions along with appropriate radiation monitoring and communication equipment as per the DOE <u>Radiological Assistance Team Procedures for TRU (waste) Transportation Incidents</u>. Alert the IART. Alert the DOE AL charter airline, and deploy if appropriate.</p>
2	<p>There is penetration of the outer stainless steel protective skin of the packages and/or there are decisions to be made regarding the integrity of the packages, and/or there is potential structural damage to the packages or trailer. [Penetration]</p>	<p>Includes the personnel and equipment listed in Tier 1 as well as a DOE Senior Official, the IART, and additional health physics support from the RAP Regions, if needed.</p>
3	<p>It is determined that there is a radiological release or that the contents of the container needs to be repackaged or transferred at the incident scene to another container.</p> <p>[Release and/or Repackaging]</p>	<p>This response includes all the personnel and equipment in Tiers 1 and 2. The carrier will supply a clean up contractor and replacement tractor trailers, etc. The IART will supply recovery logistics. DOE will also send a representative from the shipping organization who will arrange for waste handlers, if required. An AL hazards assessment group as well as additional health physics support will be supplied, if needed.</p>

This tier level response chart is specific to TRU-waste shipments.

- c. Establish programs and procedures to include drills, exercises, and appraisals to evaluate the readiness of EM's emergency management system responsibilities.
- d. Maintain and operate the Transportation Tracking and Communications System (TRANSCOM) to facilitate emergency notifications and responses involving the transportation of DOE hazardous wastes.
- e. As Director of the HQ Operational Emergency Management Team (OEMT) for Environmental Restoration and Waste Management shall:
 - 1) Convene the HQ OEMT when appropriate.
 - 2) Provide guidance and direction to the DOE response effort and direct the activities of the OEMT in ensuring prompt and effective response to assigned incidents, including:
 - a) Serve as the HQ principal POC with the offices and/or agencies external to DOE HQ.
 - b) Keep the Under Secretary informed when the Under Secretary is not the OEMT Director/Chair of the Executive Team.
 - c) Coordinate key management decisions and actions with appropriate Program Safety Officer's (PSO).
 - d) Prepare an after action report as soon as practical following an incident and submit it through the Director, Emergency Operations to the Under Secretary, or, if the Under Secretary is the OEMT Director, have cognizant PSO prepare the report.
 - e) Recommend modifications to existing procedures and organizational structures which result from lessons learned in a previous emergency or exercise.
- f. Notify the DOT of the incident within 24 hours. Notification to DOT is required as per 49 CFR 171.15 and 177.861. As a courtesy, the Nuclear Regulatory Commission (NRC) should be notified of the incident at the same time as DOT.
- g. Submit to the NRC a method for restoring the packaging integrity to comply with the current Certification of Compliance.

5.2 Assistant Secretary for Defense Programs. (DP-1)

DP-1 will:

- a. Manage the RAP and insure that the necessary emergency plans, procedures, and resources (including national resources) are developed and maintained.
- b. Coordinate with other Assistant Secretarial Offices to ensure that their requirements for support of the RAP are met.

5.3 Deputy Assistant Secretary for Military Application (DP-20)

DP-20 will:

- a. Provide programmatic policy and guidance for the DOE RAP.
- b. Manage and coordinate HQ support for response to requests for radiological assistance.

5.4 Director, Emergency Operations (DP-23)

DP-23 will:

- a. Ensure that exercises with radiological assistance capabilities are coordinated within the overall DOE operational emergency exercise program.
- b. Maintain a current listing of POC's and notification procedures for departmental elements and other federal agencies.
- c. Provide a contact for requests for radiological assistance and notifications of radiological incidents.

5.5 Albuquerque Operations Office (AL)

Includes: Office of the Manager and Office of Technical Services,
Operations Management Division, Emergency Management
Branch

The AL will:

- a. Provide the focal point for all field communications and staff the 24 hour Albuquerque Operations Center (ALOC).
- b. Make initial notification to DOE Regional Coordinating Office (RCO) and DOE HQ assure notification to the appropriate .

- c. Assure that the responding regional RAT deployment, within which the incident has occurred, and the CAO IART are at the proper TIER level as defined in this document.
- d. Following initial notification of the incident by the CMR, AL will activate the AL EOC. The AL EOC will become the TRANSCOM designated facility, thus assuming all further communication between the carrier drivers and DOE. The TRANSCOM computer tracking system will be activated on 24 basis and the CMR will become support to the AL EOC.
- e. Classify the incident per DOE Order 5500.2B.

5.6 DOE Senior Official:

The DOE Senior Official is the senior DOE person at the incident scene. This person is responsible for coordinating all DOE emergency response capabilities at the scene and for interfacing with the Incident Commander. As the incident progresses and additional DOE staff arrive on scene, the DOE Senior Official position may be passed to other DOE representatives.

The Senior DOE Official will:

- a. Serve as senior DOE representative on-scene. The DOE Senior Official may be from the local DOE Regional Office until a DOE AL or CAO Senior representative arrives and takes control of the on-scene DOE activities.
- b. Provide a single POC for official DOE information at the incident scene.
- c. Provide the details on radiological, package(s), tractor/trailer status and planned recovery operations to the AL EOC and CAO.
- d. Insure response to local media and political inquiries regarding the incident.
- e. Decide what actions are required, based on RAT and IART advice.
- f. Assist the carrier in developing a course of action specific to the incident.
- g. Maintain frequent contact with the AL EOC throughout the duration of the incident.

5.7 Carlsbad Area Office (CAO)

The CAO, is the LFA in coordination with the DOE AL Emergency Management Branch (EMB), Operations Management Division (OMD). The CAO Packaging, Transportation, and Emergency Response Manager will assist the DOE AL Region 4 RAP Manager/Regional Response Coordinator, as requested, to ensure that all aspects of tractor/trailer and package(s) emergency response support are made available.

The CAO will:

- a. Provide a CAO representative for the management of the IART.
- b. Develop DOE TRU-transportation emergency response exercises (WIPPTREX, TRANSAX, etc.) across regional RAP boundaries and corridor states. This is in cooperation with Albuquerque Emergency Management Branch to HQ for approval.
- c. Prepare and approve public affairs media announcements for release in coordination with the Albuquerque Office of Internal and External Affairs (AL OIEA).
- d. Handle all media inquiries based on AL OIEA approved media announcements.

5.8 CAO - Incident/Accident Response Team (IART) [Team Leader]

Oversight of the IART is the responsibility of the CAO. The IART consists of the CAO Transportation Manager, who serves as the IART team leader; packaging and transportation engineers; and a CAO Public Information Officer. The IART is responsible for determining the status of the packages and tractor/trailer and of advising the DOE AL manager (through the DOE Senior Official at the scene) of the integrity of the shipment and its ability to meet DOT requirements and regulations.

The IART Team Leader will:

- a. Initiate the mobilization process to appropriate IART personnel.
- b. Maintain communication with the AL EOC, TRU-waste carrier's main office, and shipment drivers via TRANSCOM, telephone, fax, and satellite, if available.
- c. Provide technical expertise in determining the status of the package(s) and transporter including the trailer and tractor used in the shipment.
- d. Provide recommendations to the DOE Senior Official regarding actions required to make the shipment roadworthy.

- e. Assist the carrier, through the DOE Senior Official, in the development of the incident site specific recovery plan, if necessary.
- f. Assist DOE HQ in preparing a Plan of Correction to restore the package(s) to comply with the Certificate of Compliance and submit it to the NRC within 30 days of the incident.
- g. Support the TRU-waste carrier clean-up operations.

5.9 Management and Operating Contractor (M&O)

The WIPP M&O contractor responsibilities related to response and recovery for TRU waste transportation incidents.

The Management and Operating Contractor will:

- a. Notify the IART of TRU-waste shipments in advance, in progress, and upon termination of each shipment.
- b. Provide technical expertise to the IART by assigning to the IART a Packaging Engineer and a Transportation Engineer who will be on call 24 hours a day while TRU waste package(s) are in transit. Also, provide packaging and transportation personnel to determine the status of the package(s) and/or tractor/trailer should a transportation incident occur.
- c. Procure and maintain IART equipment in a state of readiness.
- d. Take direction from the IART Team Leader until their services are no longer required as determined by the IART Team Leader.
- f. Be the initial CAO POC for the TRU-waste carrier to report an incident via the CMR and transfer POC to the AL EOC after initial incident notification.
- g. Monitor the TRANSCOM tracking system on a 24 hour basis at the CMR.
- h. Provide initial notification to AL and the shipper. Also, provide backup notification to the affected state officials and to DOE HQ for the AL EOC.
- i. As a backup to the TRU-waste carrier drivers, notify the state law enforcement officials.
- j. Supply a Radiological Assistance Team and Team Captain, if necessary.

- k. Be responsible for written reporting of the transportation incident under Orders 5500.2B and 5000.3B.

5.10 The TRU-waste Carrier

The TRU-waste carrier will:

a. Main Office

- 1) Implement recovery procedures per the Recovery Guide (CAO 94-1007). (This Document will be modified as additional packages become available).
- 2) Maintain an emergency response and preparedness program in accordance with TRU Carrier's Management Plan.
- 3) Ensure that contractual obligations are met, including the provision and mechanism to clean-up and recover damaged packages and/or tractor/trailer, to the satisfaction of the state in which the incident occurred.
- 4) Meet DOT regulations for transport of TRU- wastes.
- 5) Refer media inquiries at the carrier office to the DOE AL.

b. TRU-waste Carrier Drivers

- 1) In the event of an incident, the first notification made by the drivers should be to the state police central dispatching office and/or 911. A second call should be made to the CMR followed by a call to the AL EOC. All further communication should be with the AL EOC until the incident response is terminated.
- 2) Support should be provided to the caring for and/or rescue of injured at the incident scene.
- 3) Support the Incident Commander as requested.
- 4) Refer media inquiries to DOE AL unless a DOE Senior Official is at the scene of the incident.

5.11 DOE Regional Coordinating Office (RCO)

The DOE RCO is the Regional Office within which the incident involving a TRU-waste shipment has occurred.

Following notification of the incident the RCO will:

- a. Notify the affected state and verify that AL is aware of the incident and the request for assistance.
- b. Dispatch appropriate regional RAT resources consistent with the "Emergency Response Tiers Level Classification criteria and Response Actions (Table 4.1).
- c. Provide appropriate DOE communication capability to the RAT, i.e., cellular telephones, radio, or satellite communications.
- d. Communicate with the deployed RAT or it's EOC, if activated, to determine the information listed under RAT roles below. Provide this information to the AL EOC.
- e. Assist AL as requested.
- f. Participate in TRU Transportation Emergency Response exercises and training when conducted in their region.
- g. If needed, provide the DOE Senior Official, i.e. DOE RAP Team Leader, at the incident scene until replaced by an AL designated individual.
- h. Provide additional assistance for resolution of the incident as necessary.
- i. Handle local media inquiries based on CAO approved media announcements and refer all non-incident specific inquiries to DOE AL.
- j. Provide guidance to the TRU-waste incident response and direct all RAT activities consistent with DOE guide, "Radiological Assistance Team (RAT) Procedures for TRU-Waste Transportation Incidents."

5.12 DOE Regional Radiological Assistance Teams (RATs)

The DOE RATs have been trained and certified to respond to a TRUPACT-II transportation incident and will be trained on other packaging as developed.

The procedures the RATs will follow are outlined in the DOE "Radiological Assistance Team (RAT) Procedures for TRU Waste Transportation Incidents."

5.13 Shipping Organization (The generator site shipping the waste)

The Shipper will:

- a. Ensure that the Bills of Lading are available in TRANSCOM, and are correct.
- b. Provide a recovery support representative for details regarding the waste contained in the package(s), i.e., someone available during the duration of the shipment that is knowledgeable regarding the contents.
- c. Ensure that all appropriate DOE shipping orders are met and that all labeling and placarding is in compliance with 49 CFR.
- d. Provide additional support and a representative to the incident scene if requested (i.e., repackaging and/or other waste specific advice).
- e. Notify AL and the Shipment Receiver (destination) of the incident.

5.14 TRANSCOM Control Center (TCC)

The TCC will:

- a. Track TRU-shipments on a 24 hour basis.
- b. Serve as the relay for communications between operators of shipments.
- c. In the event of an incident, the TRANSCOM Communications Center (TCC) operator notifies the following as back-up to the CMR and AL EOC (not necessarily in this order):
 - DOE AL Operations Center (ALOC)
 - DOE CAO Central Monitoring Room (CMR)
 - DOE Operations Office, Oak Ridge EOC
 - DOE Operations Office, Oak Ridge Transportation Manager
 - DOE HQ EOC

6. Conclusion

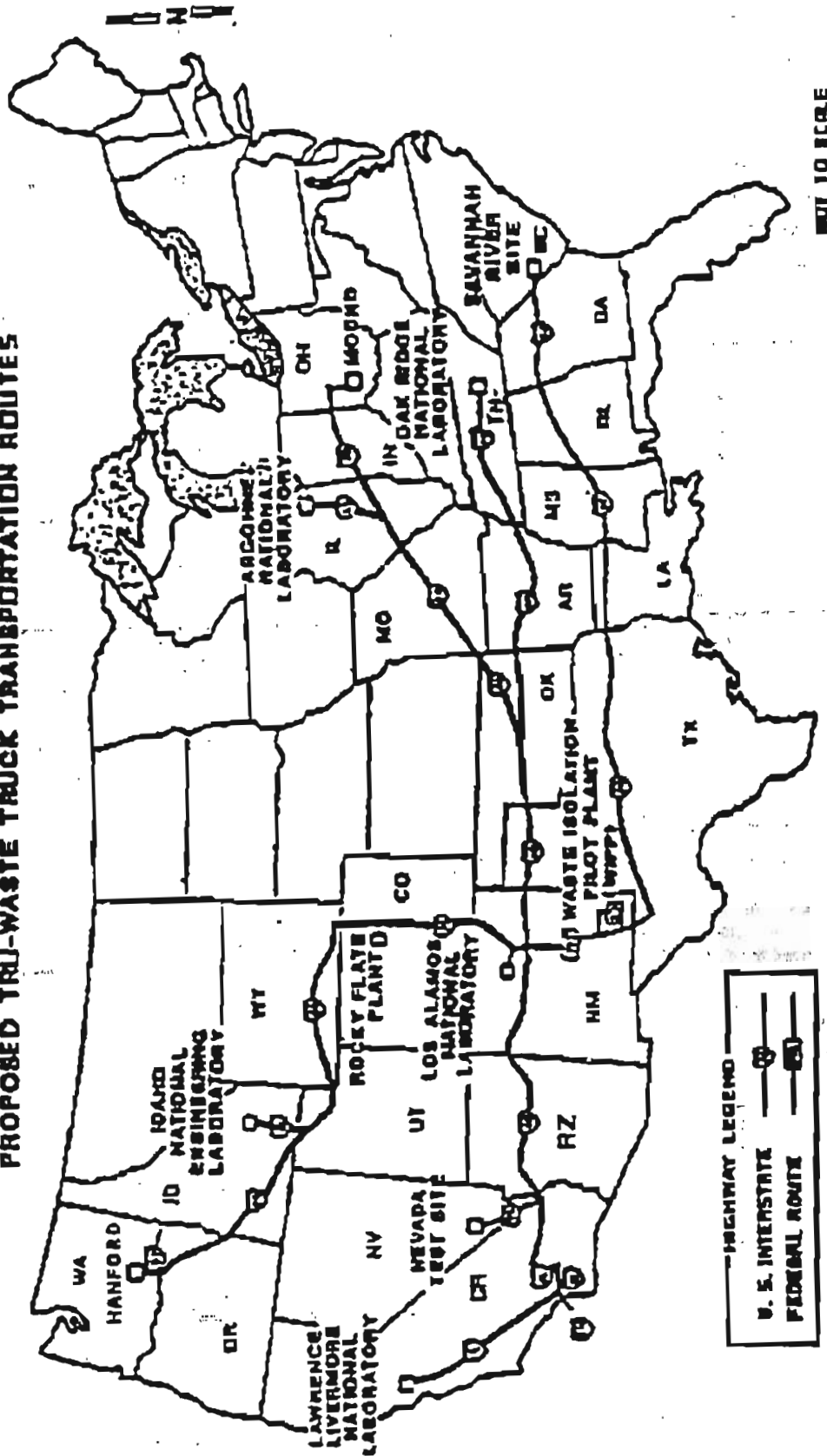
TRU-waste transportation incidents are similar to the other radiological emergency transportation incidents presently addressed in the Radiological Assistance Program Plan. Training and certification of most of the RAT members has been performed along the initial WIPP TRU-waste transportation corridor (Idaho-New Mexico). Additional training, to

waste routes expand. Enhanced communication capabilities will be phased in as the TRU-waste shipment transportation corridor expands.

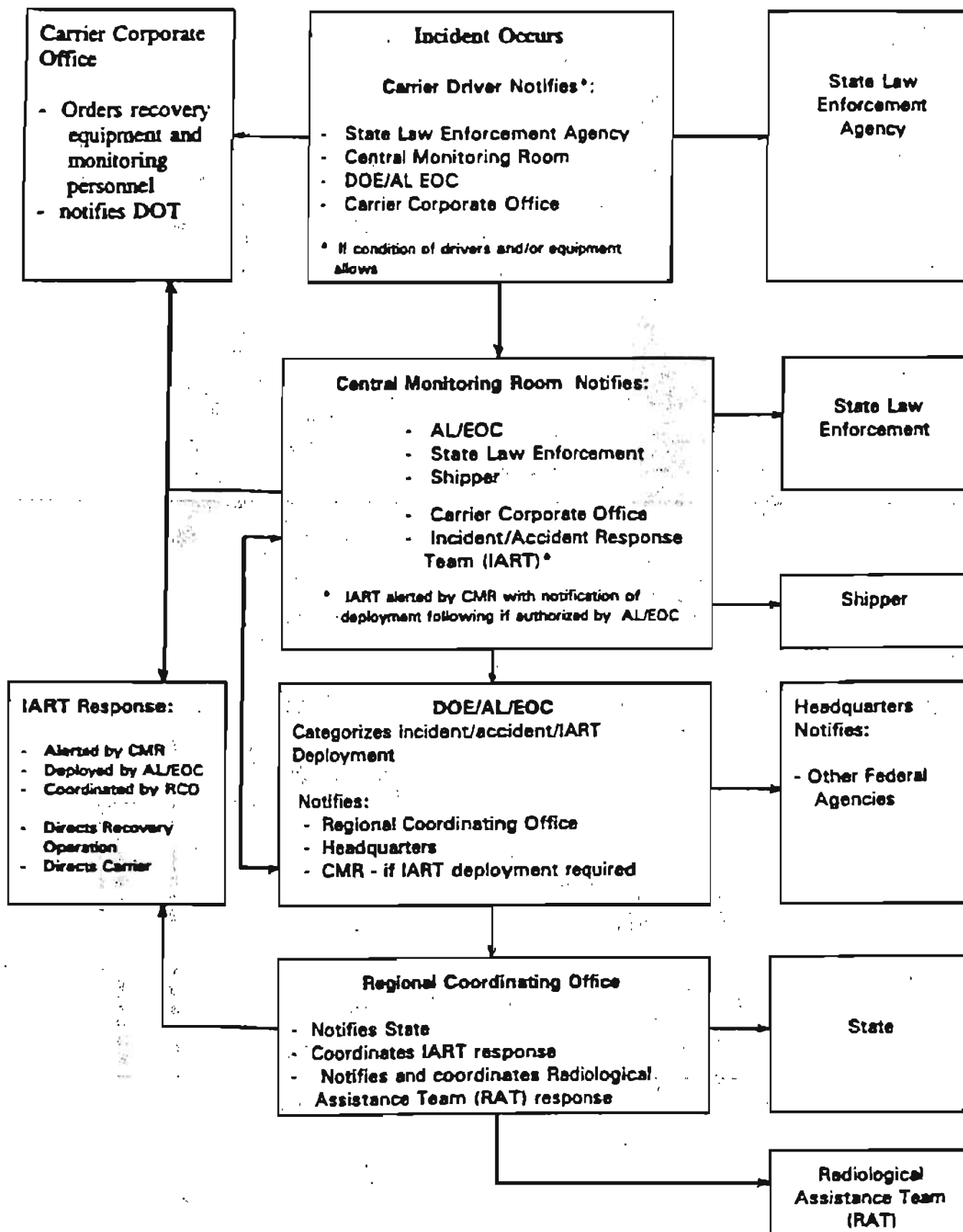
AL will maintain management lead and emergency response responsibilities for TRU-waste transportation incidents and provide the focus for the multi-organizational response that will occur. To the extent practicable, DOE will utilize existing organizations already tasked for emergency response. These organizations have the expertise to provide for an efficient, timely coordinated response and recovery to TRU-waste transportation incidents.

It should be understood that this document is the result of lessons learned from many field and tabletop exercises, and drills. It is also the result of internal and independent external operational readiness reviews of the DOE emergency response system. While this document reflects the best of our knowledge and planning to date, it remains a living document, subject to change reflecting DOE's increased knowledge and experience.

PROPOSED TRIJ-WASTE TRUCK TRANSPORTATION ROUTES



DEPARTMENT OF ENERGY/CARLSBAD AREA OFFICE EMERGENCY NOTIFICATION FLOW CHART



TRU-Waste Transportation Incident **DOE 24 Hour Emergency Contact Numbers**

<u>REGION NAME</u>	<u>ADDRESS</u>	<u>24 Hr. PHONE</u>
(1) BROOKHAVEN	Brookhaven Nat'l Lab Upton, NY 11973	(516) 282-2200
(2) OAK RIDGE	Oak Ridge Operations Office P.O. Box 2001 Oak Ridge, TN 37831-8543	(615) 576-1005 or (615) 525-7885
(3) SAVANNAH RIVER	Savannah River Operations Office P.O. Box A Aiken, SC 29802	(803) 725-3333
(4) ALBUQUERQUE	Albuquerque Operations Office P.O. Box 5400 Albuquerque, NM 87185-5400	(505) 845-4667
	Carlsbad Area Office Waste Isolation Pilot Plant Central Monitoring Room (CMR)	(505) 234-6883
(5) CHICAGO	Chicago Operations Office 9800 S. Case Ave. Argonne, IL 60439	(OFF DUTY HRS) (708) 972-5731 (ON DUTY HRS) (708) 972-4800
(6) IDAHO	Idaho Operations Office 850 Energy Drive Idaho Falls, ID 83401-1563	(208) 526-1515
(7) OAKLAND	Oakland Operations Office 1301 Clay St. Oakland, CA 94612-5208	(510) 637-1794
(8) RICHLAND	Richland Operations Office P.O. Box 550 Richland, WA 99352	(509) 373-3800