

Southern States Energy Board  
**Transportation Planning Guide for the  
U.S. Department of Energy's Shipments of  
Transuranic Waste**

March 2014



## **SOUTHERN STATES ENERGY BOARD**

The Southern States Energy Board (SSEB) is a public nonprofit interstate compact that serves as the regional representative on energy and environmental matters for 16 southern states, the commonwealth of Puerto Rico and the U.S. Virgin Islands. The Board was founded in 1960, and since has been ratified by the legislatures of Alabama, Arkansas, Florida, Georgia, Kentucky, Louisiana, Maryland, Mississippi, Missouri, North Carolina, Oklahoma, Puerto Rico, South Carolina, Tennessee, Texas, the U.S. Virgin Islands, Virginia, and West Virginia. Legislation acknowledging this compact was passed by Congress in 1962. Each member state, commonwealth or territory is represented on the Board by three members: the governor and a legislator from both the state House and Senate. A federal representative is appointed by the President of the United States.

Originally chartered as the Southern Interstate Nuclear Board, the Board formally expanded its role in 1977 at the direction of the southern governors and legislators. Now, SSEB operates with a broad mandate to contribute to the economic growth in the southern region through innovations in energy and environmental quality programs. SSEB provides research, technical assistance and technology development to state officials, industry, and the general public.

### **BACKGROUND**

This guide was developed through a cooperative agreement between Southern States Energy Board (SSEB) and the U.S. Department of Energy (DOE) Carlsbad Field Office. As part of the cooperative agreement effort, SSEB sponsors the Transuranic Waste Transportation Working Group. This group was formed in 1990 to provide DOE with a regional perspective on the transportation of transuranic wastes from various DOE sites to the Waste Isolation Pilot Plant (WIPP) in Carlsbad, New Mexico. The Transuranic Waste Transportation Working Group is comprised of gubernatorial appointees from the following fourteen SSEB member states who were originally considered to be a part of the transportation route: Alabama, Arkansas, Georgia, Kentucky, Louisiana, Maryland, Mississippi, Missouri, Oklahoma, South Carolina, Tennessee, Texas, Virginia, and West Virginia. Specific planning activities are applicable only to those states that are a part of the active corridor. General access to the planning process is open to all member states for informational and/or contingency purposes.

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## ACRONYMS

|            |   |
|------------|---|
| CBFO       | Carlsbad Field Office                             |
| CFR        | Code of Federal Regulations                       |
| CH-TRU     | Contact Handled Transuranic Waste                 |
| CMR        | Central Monitoring Room                           |
| CVSA       | Commercial Vehicle Safety Alliance                |
| DOE        | U.S. Department of Energy                         |
| DOT        | U.S. Department of Transportation                 |
| EMAC       | Emergency Management Assistance Compact           |
| FEIS       | Final Environmental Impact Statement              |
| HRCQ       | Highway Route Controlled Quantities               |
| LWA        | Land Withdrawal Act                               |
| NRC        | U.S. Nuclear Regulatory Commission                |
| RAP        | Radiological Assistance Plan                      |
| RH-TRU     | Remote Handled Transuranic Waste                  |
| SEIS       | Supplemental Environmental Impact Statement       |
| SMRAP      | Southern Mutual Radiation Assistance Plan         |
| SSEB       | Southern States Energy Board                      |
| STEP       | State and Tribal Education Program                |
| TRANSAX    | Transportation Accident Exercise                  |
| TCC        | TRANSCOM Control Center                           |
| TRANSCOM   | Transportation Tracking and Communications System |
| TRU        | Transuranic                                       |
| TRUPACT-II | Transuranic Packaging Transporter                 |
| WGA        | Western Governors' Association                    |
| WIPP       | Waste Isolation Pilot Plant                       |
| WIPPTREX   | WIPP Transportation Exercise                      |

## PURPOSE

The Southern States Energy Board (SSEB) *Transportation Planning Guide for the U.S. Department of Energy's Shipments of Transuranic Waste* will serve to facilitate and expedite the transportation planning process as outlined in the U.S. Department of Energy's (DOE) *Program Manager's Guide to Transportation Planning*. Pursuant to DOE Order 460.2, DOE transportation program managers are required to follow the *Program Manager's Guide to Transportation Planning* for shipments of hazardous materials.

According to the *Program Manager's Guide*, the planning process may include the development of a written transportation plan "when deemed appropriate by the program manager." The *Program Manager's Guide* recommends that managers seek stakeholder involvement in the planning process. These stakeholders include "federal, state, tribal, and local governmental officials with regulatory enforcement or public safety responsibilities." Additionally, "public information officers, the media, and educational groups...environmental, public interest, and other leaders may need to be considered for participation at various stages of the transportation process."

The *Program Manager's Guide* recommends that a transportation plan include components that address transportation operations, emergency management, stakeholder involvement, and communications for program implementation. The plan also should contain information on organizational responsibilities, carrier responsibilities, shipment schedules (except for safeguarded materials), route maps, emergency plans and contacts, communication strategies, package recovery plans and packaging information, and any above-regulatory agreements that will be followed over the course of the shipping campaign.

The SSEB *Transportation Planning Guide* will serve to document the regulatory and above-regulatory actions that are applicable to DOE shipments of transuranic waste in the southern region. It represents the policies and procedures that were agreed to by the eleven southern corridor states and DOE through a Memorandum of Agreement signed in 1997. This guide will be updated periodically to reflect changes in personnel, addresses, phone numbers, etc. Over time, some of the recommended policies and procedures may change as events warrant. SSEB anticipates that the policies, procedures and points of contacts outlined in the *Transportation Planning Guide* would serve as a basis for DOE's WIPP *Transportation Plan*.

The Carlsbad Field Office (CBFO) published the first *WIPP Transportation Plan* in November 1998. CBFO undertakes a process to continually revise and update future editions.

## OVERVIEW

According to DOE's proposed plans for the Waste Isolation Pilot Plant (WIPP), DOE will transport an estimated 37,000 shipments of contact handled (29,766) and remote handled (7,957) transuranic waste to the WIPP site over its projected 35-year life span.<sup>1</sup> This waste will originate at 24 sites in 15 different states. Shipments to WIPP from western defense facilities began in March 1999. The first shipment destined for WIPP from the Savannah River Site in South Carolina departed on May 8, 2001 while the initial one from the Oak Ridge National Laboratory in Oak Ridge, Tennessee took place in September 2008. Approximately 4,000 shipments are expected to come from the eastern sites during the life of the program.

## SUBJECT AREAS

States in the southern region have adopted the approach outlined below for DOE shipments of transuranic waste.

### *PRE-SHIPMENT*

#### **Section 1: Transportation Planning**

The U.S. Department of Energy Carlsbad Field Office (DOE-CBFO) developed a Transportation Plan for transuranic waste shipments to the Waste Isolation Pilot Plant. The Southern States Energy Board (SSEB) will continue to coordinate the transportation plan review process through the Transuranic Waste Transportation Working Group contacts listed in Appendix A.

#### **Section 2: Carrier and Driver Safety Compliance**

The U.S. Department of Transportation (DOT) Federal Motor Carrier Safety Administration has the mission of enforcing the Motor Carrier Safety Act of 1984 and its enacted regulations contained in 49 C.F.R. Parts 350-399. These regulations set minimum safety standards for commercial motor vehicles and drivers.

For the WIPP program, DOE agreed to abide by the driver and carrier safety requirements as outlined in the Western Governors' Association (WGA) document entitled *Model Safety Elements in the WIPP Transportation Contract and Corresponding Carrier Management Plan*.

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<sup>1</sup>Waste Isolation Pilot Plant Disposal Phase Draft Supplemental Environmental Impact Statement. DOE/EIS-0026-S-2. November 1996.

SSEB will participate in carrier selection to ensure all regions are properly represented in the selection process (i.e., through solicitation review and the evaluation of responses), the development of contract requirements, and development and revision of the carriers' transportation management plan.

The states will participate in a Compliance Audit Program to monitor and verify compliance by DOE, its transportation carrier and drivers with all applicable laws and regulations.

### **Section 3: Routing of DOE Shipments of Transuranic Waste**

As required in 49 C.F.R. §397.101(b), a motor carrier must use "preferred routes" when transporting Highway Route Controlled Quantities (HRCQ). Preferred routes are defined as an Interstate System highway (which includes Interstate bypasses or Interstate beltways around a city) and/or a state-designated route selected by a state routing agency pursuant to §397.103. A listing of state routing agencies is provided in Appendix B.

Although not every WIPP shipment will be a HRCQ shipment, DOE has stated that, as a matter of policy, all WIPP shipments will be subject to this DOT routing requirement unless DOE and an affected state have negotiated for the use of an alternate route that has not been formally designated under USDOT regulations. The identification of specific routes limits the number of affected jurisdictions and allows states to focus on preparation and training.

The U.S. Department of Transportation (USDOT) designation process entails the performance of a comparative route analysis following DOT's *Guidelines for Selecting Preferred Highway Routes for Highway Route Controlled Quantity Shipments of Radioactive Materials* (DOT/RSPA/HMS/92-02, August 1992) or an equivalent routing analysis that adequately considers overall risk to the public. In assessing the primary route comparison factors under this approach, basic data are compiled on accident rates, traffic counts, highway segment lengths, vehicle speeds, population distribution, land use, timeliness and availability of emergency response capabilities, and other relevant factors for each alternative route. Upon completion of the data compilation and verification process, the information is processed and used to compare alternative routes.

Upon completion of the preferred route designation or negotiation process, states must either file their routing designations with the DOT's Federal Motor Carrier Safety Administration (FMCSA) or advise DOE of their concurrence with negotiated routes. Coordination with local government authorities along prospective routes of travel and with adjacent states is required to obtain relevant information and to ensure continuity of designated or negotiated routes, should an alternative route be selected. Preferred routes become effective when a state receives formal acknowledgment from FMCSA or upon notifying DOE that a negotiated route has been agreed to. In the southern region,

six states have designated alternate preferred routes that are on file with DOT: Alabama, Arkansas, Kentucky, Tennessee, Texas and Virginia. Refer to Appendix C for a listing of alternate preferred routes in these states.

#### **Section 4: Emergency Response Plans & Procedures**

DOE should coordinate with states on emergency response plans and procedures as part of the transportation planning process. Each state's emergency response plan and procedures have provisions for response to a radioactive materials transportation incident. A listing of state emergency response plans is provided in Appendix E. Refer to Appendix F for 24-hour emergency phone numbers.

In the event of an incident or accident involving radiological materials, DOE will respond, if requested, with a regional radiological assistance program (RAP) team. DOE will follow the guidelines outlined in the document entitled *Emergency Planning, Response, and Recovery Roles and Responsibilities for TRU-Waste Transportation Accidents* (U.S. Department of Energy, January 1995)

#### **Section 5: Emergency Response Equipment**

States and local governments are responsible for equipping their respective responders with the appropriate equipment for responding to a radioactive materials transportation incident or accident. The WIPP Land Withdrawal Act requires DOE to "enter into agreements to assist States through monetary grants or contributions in kind, to the extent provided in appropriation Acts, in acquiring equipment for response to an incident involving transuranic waste transported to or from WIPP." Several states in the southern region receive funding from the U.S. Department of Energy through cooperative agreements with SSEB.

#### **Section 6: Training / Financial Assistance**

DOE is required by the WIPP Land Withdrawal Act (LWA) to "provide technical assistance and funds for the purpose of training public safety officials, and other emergency responders as described in part 1910.120 of title 29, Code of Federal Regulations, in any state or Indian tribe through whose jurisdiction the Secretary plans to transport transuranic waste to or from WIPP."

Prior to the commencement of shipments, each affected state submitted a work plan to SSEB for technical and financial assistance. These state work plans were funded through SSEB's cooperative agreement with the DOE Carlsbad Field Office and contingent upon Congressional appropriations.

DOE developed several radiological emergency response training courses that are available to responders through the WIPP Education Program. Seven courses, which have been accredited by the appropriate Boards for continuing education hours, are offered: Modular Emergency Response Radiological Transportation Training (MERRTT), WIPP MERRTT Train-the-Trainer, Compressed MERRTT, Incident Command System, Medical Management, Medical Examiner/Coroner and Emergency Communications 911 Dispatcher Briefing. The courses are available upon request of the states. DOE may support full-scale transportation exercises, such as WIPPTREX, if funding is available.

The SSEB Transuranic Waste Transportation Working Group will provide input on additional course development and the direction of the training program to ensure that the needs of the target audience are addressed.

## **Section 7: Advance Notification of Shipments**

Section 16(b) of the Waste Isolation Pilot Plant Land Withdrawal Act requires that DOE "provide advance notification to States and Indian tribes through whose jurisdiction the Secretary plans to transport transuranic waste to or from WIPP."

The Carlsbad Field Office (CBFO) will provide an annual written shipping schedule to the governors of participating states and/or their designees no later than January 31 of each year. The governors' designees are listed in Appendix A. Copies of this communication also will be provided to the Southern States Energy Board and the state representatives of their Transuranic Waste Transportation Working Group.

The annual schedule, reflecting a full one-year projection of WIPP shipments, shall be updated no later by July 31 of each year. The annual schedule will include a general timeframe of shipments, point of origin, average number of shipments from each point-of-origin site, type of isotope and classification of transuranic waste.

Advance notification for individual shipments will be made in an 8-week Rolling Schedule. This schedule will be distributed via email and will be updated as appropriate.

Advance notification of shipments also will be provided via the TRANSCOM satellite tracking system. Through TRANSCOM, state and tribal representatives may access the following data: (1) advance notification information; (2) the bill of lading; (3) the U.S. Department of Transportation (DOT) Emergency Response Guidebook information; (4) the shipment's route; (5) points of contact for information; (6) message traffic; and (7) en route shipment location on U.S., state, and county maps.

## **Section 8: Fees and Permits**

Some states require fees and permits for radiological shipments. SSEB member states that have grants to support WIPP activities have the right to suspend fees. Please see Appendix G for a listing of state fees and permits.

### *SHIPMENT EN ROUTE*

## **Section 9: Vehicle Inspections**

States will require DOE contract carriers for the WIPP program to comply with the Commercial Vehicle Safety Alliance (CVSA) Enhanced North American Standard Inspection Procedures and Out-of-Service Criteria. States may inspect these shipments at the points of origin and destination in accordance with the CVSA enhanced inspection procedures. Corridor states reserve the right to inspect to the CVSA enhanced inspection criteria.

State inspection officers must be equipped with radiation detection instruments to complete the radiological portion of the CVSA enhanced inspection. DOE will provide financial assistance to states through their cooperative agreements with SSEB to ensure that state inspection officers are equipped with radiation detection instruments to complete the radiological portion of the CVSA enhanced inspection.

Refer to Appendix H for a listing of state inspection requirements, responsible agencies and inspection station locations.

## **Section 10: Weather and Road Conditions**

DOE, its carriers and the states will follow the procedures outlined in the document entitled *Procedures and Protocols for Bad Weather and Road Conditions for WIPP Shipments* (Western Governors' Association, Revision 7, February 2004). Before dispatch, the shipper and both vehicle drivers must agree that travel conditions are acceptable for a WIPP shipment. If not, the vehicle may not be dispatched until conditions improve. Refer to Appendix I for state road and travel information services.

States should monitor the status of WIPP shipments using TRANSCOM when adverse weather and road conditions are occurring. States will notify DOE that a shipment should not be dispatched or that a shipment should be diverted to a safe parking location to avoid bad weather or adverse road conditions. DOE and each state must develop standardized procedures to carry out these policies.

## **Section 11: Safe Parking During Abnormal Conditions**

Under a contract with Western Governors' Association, the Western Interstate Energy Board (WIEB) developed criteria for safe parking areas for WIPP shipments. DOE has agreed to carry out these criteria. A hierarchy has been developed to incorporate two factors: 1) the *desirability* of a particular type of parking area; and 2) the driver's *ability* to reach that parking area.

*1<sup>st</sup> Choice:* Department of Defense (DOD) & DOE facilities are the most desirable parking areas for WIPP shipments. However, it may not be possible for the driver to safely reach a DOD or DOE facility. The driver should then proceed down the hierarchy to select a parking area.

*2<sup>nd</sup> Choice:* Specific types of facilities (e.g. Ports of Entry) are likely to be more common than DOD or DOE facilities. State-specific information on the types of facilities that are acceptable has been identified. If the driver cannot reach one of these facilities, the driver should use the *3<sup>rd</sup> Choice* criteria.

*3<sup>rd</sup> Choice:* If facilities listed in the first or second tier cannot be reached safely, a series of avoidance factors are applied to select a parking area. No priorities have been assigned to these factors. It may not be possible to select a parking site that meets all of the criteria listed in the third tier. Compromises may be necessary.

As part of the transportation planning process, DOE and the states will coordinate on safe parking areas for DOE shipments of transuranic waste. State specific data regarding safe parking areas in the southern region can be found in Appendix I.

## **Section 12: TRANSCOM / Satellite Tracking**

The Transportation Tracking and Communications System (TRANSCOM) will be used to monitor WIPP shipments. Each state will have access to the TRANSCOM satellite tracking system, which will allow them to monitor shipments when appropriate. DOE will provide financial assistance to states through their cooperative agreements with SSEB for training and access to TRANSCOM during ongoing shipping campaigns. Refer to Appendix J for a state by state listing of TRANSCOM users.

If any incidents occur, the state designated point of contact will provide notification to the designated facility (WIPP) through the Central Monitoring Room (CMR). The CMR will provide notification to the TRANSCOM Control Center (TCC) and the carrier.

The driver will provide notification through TRANSCOM of generator/storage site departure, all vehicle stops en route (scheduled and unscheduled), and safe arrival at the WIPP.

TRANSCOM backup will be provided by driver reports to the CMR using either satellite or cellular telephones.

The CBFO will post on the TRANSCOM system updated, revised information, as it is available on a particular shipment.

### **Section 13: Security**

Security escorts are not required for WIPP shipments. CBFO will coordinate with the states to develop enhanced security protocols, if warranted, from the receipt of specific information that might compromise a shipment or in accordance with the National Terrorism Advisory System.

### *GENERAL*

### **Section 14: Packaging**

Although the NRC does not generally have regulatory oversight of DOE nuclear materials, the 1980 WIPP Final Environmental Impact Statement (FEIS) mandated that DOE comply with applicable NRC regulations in designing WIPP storage and transportation guidelines. Under this mandate, DOE has agreed to gain NRC certification for all transuranic waste transportation containers or casks. The NRC certification requirement was reaffirmed by the WIPP Land Withdrawal Act Section 16(a). DOE will use NRC certified packages to transport transuranic waste to WIPP.

### **Section 15: Mutual Aid Agreements**

SSEB will maintain the *Southern Mutual Radiation Assistance Plan (SMRAP)*, a mechanism for coordinating radiological emergency assistance capabilities among participating states. The following fourteen states are signatories to this agreement: Alabama, Arkansas, Florida, Georgia, Kentucky, Louisiana, Mississippi, Missouri, North Carolina, Oklahoma, South Carolina, Tennessee, Texas, and Virginia. All SSEB member states are eligible to join.

Additionally, the Emergency Management Assistance Compact (EMAC) is a nationwide agreement to address all natural and man-made disaster. Fifty states, the District of Columbia, Puerto Rico, Guam, and the U.S. Virgin Islands have enacted legislation to become EMAC members.

## **Section 16: Public Information**

States will be responsible for developing their own public information programs regarding radioactive materials transportation. DOE will provide technical information regarding its shipments to the states. Questions regarding radioactive materials shipments should be directed to the appropriate state public information officer. A listing of state public information officers is provided in Appendix K.

## **Section 17: Program Evaluation**

States will review the lessons learned from DOE shipping campaigns and make any necessary adjustments to the current policies and procedures, as appropriate. Program evaluation will be conducted on an annual basis.

## **APPENDICES**

Appendix A: Southern States Energy Board Transuranic Waste Transportation Working Group

Appendix B: State Routing Agencies

Appendix C: DOT Filings for State Alternative Route Designations

Appendix D: Shipping Route Map and Transportation Route Detail

Appendix E: State Emergency Response Plans By Title and Contact

Appendix F: State 24 Hour Emergency Phone Numbers

Appendix G: State Fee and Permit Requirements

Appendix H: State and Tribal Inspection Requirements, Responsible Agencies, and Station Locations

Appendix I: Safe Parking Criteria / Road and Travel Information Services

Appendix J: TRANSCOM Users

Appendix K: State Public Information Contacts

# Southern States Energy Board Transuranic (TRU) Waste Transportation Working Group

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‡ represents non-voting member state

\* represents corridor state for SQS campaign



## Appendix B

### State Routing Agencies

| <b>State</b>          | <b>Agency</b>  | <b>Phone</b>                     |
|-----------------------|--|----------------------------------|
| <b>Alabama</b>        | Department of Transportation   | (334) 242-6474                   |
| <b>Georgia</b>        | Georgia Department of Public Safety  | (404) 463-3880                   |
| <b>Louisiana</b>      | Louisiana State Police<br>Louisiana Department of Environmental<br>Quality | (225) 925-6113<br>(225) 765-0160 |
| <b>Mississippi</b>    | Mississippi Highway Patrol<br>Mississippi Emergency Management Agency      | (601) 987-1212<br>(601) 933-6369 |
| <b>South Carolina</b> |  |                                  |
| <b>Tennessee</b>      | Department of Transportation   | (615) 741-2848 or (615) 741-5616 |
| <b>Texas</b>          | Texas Department of Public Safety<br>Operations Center                     | (512) 424-2277                   |

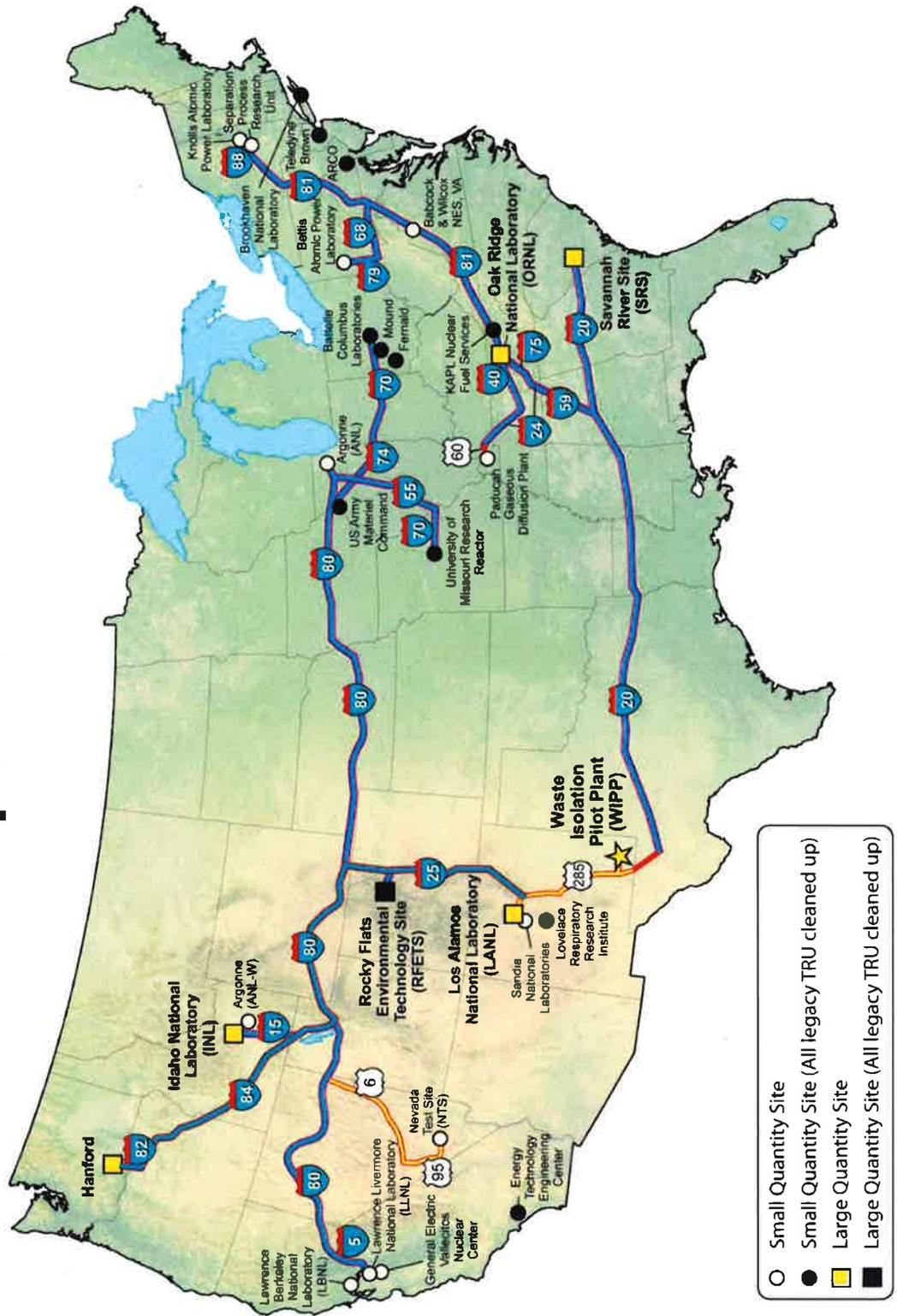
## Appendix C

### DOT Filings for State Alternative Route Designations

| State            | Responsible Agencies                 | Designated HRCQ/RAM Routes   |
|------------------|--------------------------------------|--|
| <b>Alabama</b>   | Alabama Department of Transportation | <p>Interstate 10 from Mobile City Limits to Exit Mobile 26B [Water St] [Eastbound Traffic: To avoid the downtown area, exit on I-65 North]</p> <p>Interstate 65 from Interstate 10 to Interstate 165 Mobile [A route for trucks wishing to by-pass the downtown area.]</p> <p>Water St. [Mobile] from Interstate 10 [exit 26B] Mobile to Interstate 165</p> <p>Interstate 65 from Mobile City Limits to Mobile Interstate 165</p> <p>Interstate 165 from Water St. [Mobile] to Bay Mobile Bridge Rd. exit [Mobile]</p> <p>Bay Bridge Rd. [Mobile] from Interstate 165 to Mobile Battleship Parkway [over Africa Town Cochran Bridge]</p> <p>[Westbound Traffic: Head south on I-165; To bypass the downtown area, head north on I-165.]</p> <p>Battleship Parkway [Mobile] from Bay Bridge Mobile Rd. [Mobile] to Interstate 10 [exit 27]</p> <p>Interstate 10 from Mobile City Limits to Exit 27 Mobile</p> <p>Interstate 459 from Interstate 20/I-59 [Northeast Birmingham Jefferson of Birmingham] to Interstate 20/I-59 [Southwest of Birmingham] [This route should be used in lieu of I-20/I-50 in the Birmingham area, Jefferson county.]</p> |
| <b>Georgia</b>   | Georgia Department of Public Safety  |  |
| <b>Louisiana</b> | Louisiana State Police               |  |

|                       |   |   |
|-----------------------|---|---|
| <b>Mississippi</b>    | Mississippi Emergency Management Agency |   |
| <b>South Carolina</b> |   |   |
| <b>Tennessee</b>      | Tennessee Department of Transportation  | Interstate 640/I-75 from Interstate 40 [exit 3 85 West of Knoxville] to Interstate 40 [exit 393 East of Knoxville] [In lieu of I-40 in the Knoxville area].   |
| <b>Texas</b>          | Texas Department of Public Safety       | <p>Big Spring, TX to Pecos, TX to Carlsbad, NM to WIPP North Access Road<br/>(Current New Mexico designated route)</p> <p>Big Spring, TX to Andrews, TX to FM 115 to intersection with FM 128 in Texas to SR 128 in New Mexico to WIPP South Access Road</p> <p>Big Spring, TX to Monahans, TX to Kermit, TX to Jal, NM to WIPP South Access Road</p> <p>Big Spring, TX to Andrews, TX to Eunice, NM to Hobbs, NM to WIPP North Access Road</p> <p>Big Spring, TX to Andrews, TX to Eunice, NM to Jal, NM to WIPP South Access Road</p> |

# Shipping Route Map and Transportation Route Detail Transportation Routes



## Appendix E

### State Emergency Response Plans

| STATE          | Title of Emergency Response Plan                                | Point of Contact  |
|----------------|---|---|
| Alabama        | Radiological Emergency Preparedness Plan (2009)                 | Ms. Tonya Appleyard<br>Director of Emergency Planning Branch<br>Office of Radiation Control<br>Alabama Department of Public Health<br>The RSA Tower<br>201 Monroe Street<br>P.O. Box 303017<br>Montgomery, Alabama 36130-3017<br>(334) 206-5412<br>tonya.appleyard@adph.state.al.us |
| Georgia        | Georgia Emergency Operation Plan (2013)                         | Mr. Stephen Clark<br>Radiological Programs Director<br>Division of Homeland Security<br>GEMA/Homeland Security<br>Post Office Box 18055<br>Atlanta, Georgia 30316<br>(404) 635-7233<br>stephen.clark@gema.ga.gov  |
| Louisiana      | Louisiana Peacetime Radiological Response Plan, (2013)          | Ms. Ji Wiley<br>Environmental Scientist Staff<br>Louisiana Department of Environmental Quality<br>602 North 5th Street<br>Baton Rouge, Louisiana 70802<br>(225) 219-3621<br>ji.wiley@la.gov   |
| Mississippi    | Mississippi Comprehensive Emergency Operations Plan (2012)      | Colonel Lee Smithson<br>Executive Director<br>Mississippi Emergency Management Agency<br>#1 MEMA Drive<br>P.O. Box 5644<br>Pearl, Mississippi 39288<br>(601) 933-6882<br>lsmithson@mema.ms.gov  |
| South Carolina | South Carolina Operational Radiological Emergency Response Plan | Nathan J. Nienhius<br>Manager, Fixed Nuclear Facilities<br>South Carolina Emergency Management Division<br>2779 Fish Hatchery Rd.<br>West Columbia, SC 29172<br>(803) 737-8797<br>nnienhius@emd.sc.gov  |
| Tennessee      | Tennessee Emergency Management Plan                             | Mr. Patrick Sheehan,<br>Director, Tennessee Emergency Management Agency<br>3041 Sidco Drive<br>Nashville, Tennessee 37204<br>(615) 741-0001<br>psheehan@tnema.org   |
| Texas          | State of Texas Emergency Management Plan: Annex D (2012)        | Mr. Steven McCraw<br>Director<br>Texas Department of Public Safety<br>5805 North Lamar Boulevard  |

|  |  |   |
|--|--|---|
|  |  | P.O. Box 4087<br>Austin, Texas 78773-0001<br>(512) 424-7770<br><a href="mailto:steven.mccraw@dps.texas.gov">steven.mccraw@dps.texas.gov</a> |
|--|--|---|

## Appendix F

### 24-Hour Emergency Contacts

*(Numbers used for emergency situations)*

| <b>State</b>          | <b>Agency</b>  | <b>Phone</b>                        |
|-----------------------|--|-------------------------------------|
| <b>Alabama</b>        | Alabama State Patrol                                   | (334) 242-4378 or<br>(334) 206-5391 |
| <b>Georgia</b>        | Georgia State Patrol                                   | (404) 624-6077; cellular *477       |
|                       | Georgia Emergency Management Agency                    | (404) 635-7200                      |
| <b>Louisiana</b>      | Louisiana State Police                                 | (504) 925-6595                      |
|                       | Louisiana Radiation Protection                         | (504) 765-0160                      |
| <b>Mississippi</b>    | Mississippi Emergency Management Agency                | (800) 222-6362                      |
| <b>South Carolina</b> | Emergency Management<br>Division                       | (803) 737-8500                      |
| <b>Tennessee</b>      | Tennessee Emergency Management Agency                  | (800) 262-3300 or<br>(615) 741-0001 |
| <b>Texas</b>          | Texas Department of Public Safety<br>Operations Center | (512) 424-2277                      |

## Appendix G State Fee and Permit Requirements

| State          | Hazardous Waste Permit  | Radioactive Waste Permit   | Special Requirements   |
|----------------|---|--|--|
| Alabama        | <p><b>Registration:</b> N/A<br/> <b>Permit:</b> Hazardous Waste Transport \$650/year<br/> <b>Routing:</b> N/A</p>   | <p><b>Registration:</b> N/A<br/> <b>Permit:</b> N/A<br/> <b>Routing:</b> HRCQ Preferred Routes</p>   | 55 mph speed limit   |
| Georgia        | <p><b>Permit:</b> N/A<br/> <b>Routing:</b> Atlanta route restrictions. No travel between the hours of 7 a.m. and 9 a.m. or 4 p.m. and 6 p.m. Monday through Friday.</p> | <p><b>Registration:</b> N/A<br/> <b>Permit:</b> Same as HAZMAT.<br/> Written notice is required to the Public Service Commission for all radioactive materials that do not require permits.<br/> <b>Routing:</b> Same as HAZMAT materials.</p> | None   |
| Louisiana      | <p><b>Registration:</b> N/A<br/> <b>Permit:</b> N/A<br/> <b>Routing:</b> HAZMAT banned in certain highways and tunnels.</p>   | <p><b>Registration:</b> N/A<br/> <b>Permit:</b> N/A<br/> <b>Routing:</b> Same as HAZMAT.</p>   | None   |
| Mississippi    | <p><b>Registration:</b> N/A<br/> <b>Permit:</b> N/A<br/> <b>Routing:</b> Limited to interstate and state highways.</p>  | <p><b>Registration:</b> N/A<br/> <b>Permit:</b> N/A<br/> <b>Routing:</b> Waste transporter's permit is required. Cost varies by type of cargo. \$2,500 for spent fuel.</p>   | Limited to interstate highways. Pre-notification of manifested travel required by Emergency Management Agency. |
| South Carolina | <p><b>Registration:</b> N/A<br/> <b>Permit:</b> N/A<br/> <b>Routing:</b> N/A</p>  | <p><b>Registration:</b> N/A<br/> <b>Permit:</b> Radioactive Waste Transport Permit. Cost varies between \$200 and \$1500 based on the amount of shipment.</p>  | Generator of radioactive waste must provide liability insurance.   |
| Tennessee      | <p><b>Registration:</b> N/A<br/> <b>Permit:</b> N/A<br/> <b>Routing:</b> Placarded materials are banned on sections of I-40 and I-275.</p>                              | <p><b>Registration:</b> N/A<br/> <b>Permit:</b> LLRW transport license from the Dept. of Conservation. \$400 annual fee.<br/> <b>Routing:</b> HRCQ preferred routes.</p>   | None   |
| Texas          | <p><b>Registration:</b> N/A<br/> <b>Permit:</b> N/A<br/> <b>Routing:</b> N/A</p>  | <p><b>Registration:</b> N/A<br/> <b>Permit:</b> N/A<br/> <b>Routing:</b> N/A</p>   | Exemptions for farm tank trailers used and anhydrous ammonia transport. Certain cargo tanks are also exempt.   |

## Appendix H

### State and Tribal Inspection Requirements, Responsible Agencies, and Station Locations for the Southern States Energy Board Program Implementation Guide

| State          | Inspection Requirement                                    | Responsible Agencies   | Inspection Stations and Ports of Entry  |
|----------------|---|--|---|
| Alabama        |   | Alabama Department of Public Safety  | No ports of entry. Mobile Inspecting Stations   |
| Georgia        |   | Georgia Department of Public Safety  | Weigh stations and roadside inspections throughout the state.   |
| Louisiana      | Required Inspection Weight Station ( <i>Random CVSA</i> ) | Louisiana Department of Transportation and Development ( <i>Louisiana State Police</i> ) | Monroe, Louisiana   |
| Mississippi    |   | Mississippi Highway Patrol   | Shreveport, Louisiana<br>I-20 Lauderdale County<br>I-20 Warren County   |
| South Carolina | Enhanced North American Standard                          | South Carolina State Transport Police  |   |
| Tennessee      | Enhanced North American Standard                          | Tennessee Highway Patrol   | I-40 Bristol TN<br>State Welcome Center Truck Parking Area<br>I-24 Clarksville TN State Welcome Center Truck Parking Area |
| Texas          |   | Texas Department of Public Safety  | No Ports of Entry<br>Inspections en route   |

## Appendix I

### Safe Parking Criteria and Road and Travel Information Service

| State     | Safe Parking Criteria for WIPP Shipments   | Road and Travel Information Service Number                          |
|-----------|--|---|
| Alabama   | <p>State Predesignated Parking Area:<br/>None<br/> <b>First Choice:</b> Anniston Army Depot<br/> <b>Second Choice for Safe Parking:</b> None<br/> <b>Third Choice for Safe Parking:</b> None<br/> <b>Contact Action:</b> Carrier should call State Patrol<br/> <b>Contact telephone number:</b> (334) 242-4378<br/> <b>Additional Considerations:</b> None<br/> <b>Circumstances when a route change would be preferable to parking:</b> None</p>  | National Weather Service (205) 664-3010                             |
| Georgia   | <p>State Predesignated Parking Area:<br/>None<br/> <b>First Choice:</b> Military or other appropriate U.S. government facility.<br/> <b>Second Choice for Safe Parking:</b> None<br/> <b>Third Choice for Safe Parking:</b> Carrier should select safe parking based on avoidance factors.<br/> <b>Contact Action:</b> Emergency Management Agency<br/> <b>Contact telephone number:</b> (800) TRYGEMA or (404) 635-7200<br/> <b>Additional Considerations:</b> None<br/> <b>Circumstances when a route change would be preferable to parking:</b> Any, except severe weather.</p> | Georgia Department of Transportation (404) 657-4368 / cellular #368 |
| Louisiana | <p>State Predesignated Parking Area:<br/>None<br/> <b>First Choice:</b> DOE and DOD facilities<br/> <b>Second Choice for Safe Parking:</b> None<br/> <b>Third Choice for Safe Parking:</b> None<br/> <b>Contact Action:</b> State Police<br/> <b>Contact telephone number:</b> (504) 925-6595<br/> <b>Additional Considerations:</b> None</p>  | National Weather Service (504) 355-4823                             |

|                |  |  |
|----------------|--|--|
| Mississippi    | <p><b>Circumstances when a route change would be preferable to parking:</b> None</p> <p><b>State Predesignated Parking Area:</b><br/> Weigh Station, I-20, Lauderdale County<br/> Weigh Station, I-20, Warren County<br/> 186th Air Refueling Wing MS Air National Guard Base Key Field, Meridian 172nd Strategic Airlift Wing, MS Air National Guard Base, Thompson Field, Jackson</p> <p><b>First Choice:</b> None<br/> <b>Second Choice for Safe Parking:</b> None<br/> <b>Third Choice for Safe Parking:</b> Carriers should select safe parking area based on areas to be avoided.<br/> <b>Contact Action:</b> MS Highway Safety Patrol<br/> <b>Contact telephone number:</b> (601) 987-1530</p> <p><b>Additional Considerations:</b> None</p> <p><b>Circumstances when a route change would be preferable to parking:</b> None</p> | <p>Road<br/> MS Highway Safety Patrol<br/> (601) 987-1530</p> <p>Weather<br/> National Weather Service<br/> (601) 939-2786</p> |
| South Carolina | <p><b>State Predesignated Parking Area:</b><br/>None</p> <p><b>First Choice:</b> None<br/> <b>Second Choice for Safe Parking:</b> None<br/> <b>Third Choice for Safe Parking:</b> None</p> <p><b>Contact Action:</b> The carrier should call Capt. Tommy Moore, Transport Police<br/> <b>Contact telephone number:</b> (803) 896-8280, telephone (803) 690-6929, pager</p> <p><b>Additional Considerations:</b> None</p> <p><b>Circumstances when a route change would be preferable to parking:</b> None</p>  | <p>Lt. Oscar Brunson<br/> Highway Patrol<br/> Telephone<br/> (803) 896-9692</p> <p>Pager<br/> (800) 712-7386</p>               |
| Tennessee      | <p><b>State Predesignated Parking Area:</b><br/>None</p> <p><b>First Choice:</b> I-40 Oak Ridge National Laboratory; I-24 Fort Campbell, Clarksville TN</p> <p><b>Second Choice for Safe Parking:</b> None<br/> <b>Third Choice for Safe Parking:</b> None</p> <p><b>Contact Action:</b> Emergency Management Agency<br/> <b>Contact telephone number:</b> (800) 262-3300</p>  | <p>Highway Patrol<br/> (800) 342-3258</p>  |

|              |   |  |
|--------------|---|--|
|              | <p><b>Additional Considerations:</b> Public rest areas are not appropriate parking areas for radioactive shipments.<br/> <b>Circumstances when a route change would be preferable to parking:</b> Icy roads or other dangerous road conditions.</p>   |  |
| <p>Texas</p> | <p><b>State Predesignated Parking Area:</b><br/>None<br/> <b>First Choice:</b> None<br/> <b>Second Choice for Safe Parking:</b> None<br/> <b>Third Choice for Safe Parking:</b> Carrier selects safe parking area based upon areas to avoid.<br/> <b>Contact Action:</b> Operations Center<br/> Division of Emergency Management<br/> <b>Contact telephone number:</b> (512) 424-2277<br/> <b>Additional Considerations:</b> Public rest areas are not appropriate parking areas for WIPP shipments.<br/> <b>Circumstances when a route change would be preferable to parking:</b> None</p> | <p>Dept. of Transportation<br/> (800) 452-9292</p> |

**Appendix J  
TRANSCOM Users**

| <b>Alabama</b>          |   |              |
|-------------------------|---|--------------|
| <i>User Name</i>        | <i>Agency</i>   | <i>Phone</i> |
| Tonya Appleyard         | Alabama Department of Public Health - Radiation Control       | 334-206-5412 |
| <b>Georgia</b>          |   |              |
| Kristopher Bowen        | Georgia Department of Public Safety                           | 706-556-8044 |
| Stephen Moore           | Georgia Department of Public Safety                           | 706-295-6002 |
| Angela Copenny          | Georgia Emergency Management Agency                           | 404-635-7200 |
| Aquevia Davis           | Georgia Emergency Management Agency                           | 404-635-7200 |
| Bobby Dockery           | Georgia Emergency Management Agency                           | 404-635-7211 |
| Harry Peagler           | Georgia Emergency Management Agency                           |              |
| Ijanna Dalton           | Georgia Emergency Management Agency                           |              |
| Johanna Hill            | Georgia Emergency Management Agency                           | 404-635-7200 |
| Ken Treadwell           | Georgia Emergency Management Agency                           |              |
| Linda Williams          | Georgia Emergency Management Agency                           | 404-635-7200 |
| Michalin Shepherd       | Georgia Emergency Management Agency                           | 404-635-7200 |
| Sylvia Bloodworth       | Georgia Emergency Management Agency                           |              |
| Shuntavius Roberts      | Georgia Emergency Management Agency                           | 404-635-7200 |
| Vicky Allen             | Georgia Emergency Management Agency                           |              |
| Wallace Reid            | Georgia Emergency Management Agency                           | 404-636-7205 |
| Sidney (Barty) Simonton | Georgia Environmental Protection Division                     | 404-362-2755 |
| <b>Louisiana</b>        |   |              |
| Ji Wiley                | Louisiana Department of Environmental Quality                 | 225-219-3621 |
| <b>Mississippi</b>      |   |              |
| Susan Perkins           | Mississippi Emergency Management Agency                       | 601-933-6875 |
| <b>South Carolina</b>   |   |              |
| David Solley            | South Carolina Department of Health and Environmental Control | 803-896-4404 |
| Derrick Stanley         | South Carolina Department of Health and Environmental Control | 803-896-4097 |
| Mary Bright             | South Carolina Department of Health and Environmental Control | 803-896-4099 |
| Michael Spradlin        | South Carolina Department of Health and Environmental Control | 803-896-4110 |
| Thomas McKinney         | South Carolina Department of Health and Environmental Control | 803-896-6317 |

|                    |  |              |
|--------------------|--|--------------|
| Kendall Kretschmar | South Carolina Emergency Management Division | 803-737-8863 |
| Nathan Nienhius    | South Carolina Emergency Management Division | 803-737-8797 |
| Robert Brown       | South Carolina Law Enforcement Division      | 803-896-7217 |
| Charles Smoak      | South Carolina State Transport Police        | 803-896-5500 |
| <b>Tennessee</b>   |  |              |
| Amelia Stanford    | Tennessee Emergency Management Agency        | 615-741-0001 |
| Alan Zaslow        | Tennessee Emergency Management Agency        | 865-594-5665 |
| Craig Hanrahan     | Tennessee Emergency Management Agency        | 615-741-4298 |
| David Johnson      | Tennessee Emergency Management Agency        | 615-741-0001 |
| David Nash         | Tennessee Emergency Management Agency        | 615-741-0001 |
| David Tindell      | Tennessee Emergency Management Agency        | 865-594-5659 |
| Johanna Harrell    | Tennessee Emergency Management Agency        | 615-741-0001 |
| Ken Hardy          | Tennessee Emergency Management Agency        | 615-741-0001 |
| Kevin Petty        | Tennessee Emergency Management Agency        | 615-741-0001 |
| Louis Friedmann    | Tennessee Emergency Management Agency        | 615-741-0001 |
| Matthew Starling   | Tennessee Emergency Management Agency        | 615-741-0001 |
| Ron Murrell        | Tennessee Emergency Management Agency        | 615-741-0001 |
| Roger Thompson     | Tennessee Emergency Management Agency        | 865-594-5660 |
| Scott Frederick    | Tennessee Emergency Management Agency        | 615-741-0001 |
| Stanton Mead       | Tennessee Emergency Management Agency        | 615-741-0001 |
| William Smith      | Tennessee Emergency Management Agency        | 615-741-0001 |
| Kent Norris        | Tennessee Highway Patrol                     | 931-528-8498 |
| <b>Texas</b>       |  |              |
| Anthony Williams   | Texas Department of Public Safety            | 512-424-2208 |
| Brian Brockett     | Texas Department of Public Safety            | 512-424-2208 |
| Evie Jones         | Texas Department of Public Safety            | 512-424-2208 |
| Javier Aguirre     | Texas Department of Public Safety            | 512-424-2208 |
| Jason Johnson      | Texas Department of Public Safety            | 512-424-2208 |
| Karin Anderson     | Texas Department of Public Safety            | 512-424-2208 |
| Kirk Brandau       | Texas Department of Public Safety            | 512-424-2208 |
| Karl Schumacher    | Texas Department of Public Safety            | 512-424-2208 |
| Katherine Smart    | Texas Department of Public Safety            | 512-424-2208 |
| Linda Moorer       | Texas Department of Public Safety            | 512-424-2208 |
| Merit Gainley      | Texas Department of Public Safety            | 512-424-2208 |
| Michelle Rowell    | Texas Department of Public Safety            | 512-424-2208 |
| Robert Harrell     | Texas Department of Public Safety            | 512-424-2208 |
| Richard Loredo     | Texas Department of Public Safety            | 512-424-2208 |
| Rosemary McKnight  | Texas Department of Public Safety            | 512-424-2208 |
| Sanford Bryan      | Texas Department of Public Safety            | 512-424-2208 |

|                  |                                   |              |
|------------------|-----------------------------------|--------------|
| Shannon Edwards  | Texas Department of Public Safety | 512-424-2208 |
| Stephanie Porter | Texas Department of Public Safety | 512-424-2208 |
| Will Patton      | Texas Department of Public Safety | 512-424-2208 |

## **Appendix K**

### **State Public Information Contacts**

#### **Alabama**

Alabama Department of Public Health,  
Health Promotion and Information  
Mr. James McVay  
P.O. Box 303017  
201 Monroe Street  
Montgomery, AL 36130-3017  
Telephone (334) 206-5600  
Fax (334) 206-5609  
E-mail: jim.mcvay@adph.state.al.us

#### **Georgia**

Georgia Emergency Management Agency  
Mr. Ken Davis, POD  
Atlanta, GA 30316  
Telephone (404) 635-7000  
Fax (404) 635-7205  
E-Mail: ken.davis@gema.ga.gov

#### **Louisiana**

Governor's Office of Homeland Security and  
Emergency Preparedness  
James Waskom, Director  
7667 Independence Boulevard  
Baton Rouge, LA 70806  
Telephone (225) 925-7500

Governor's Office of Homeland Security and Emergency Preparedness  
Clayton Smith, Radiological Program Manager  
7667 Independence Boulevard  
Baton Rouge, Louisiana 70806  
(225) 925-7702  
clayton.smith@la.gov

Louisiana Department of Environmental Quality  
Office of Environmental Compliance  
JiYoung Wiley, Environmental Scientist  
Supervisor  
602 North 5th Street  
Baton Rouge, Louisiana 70802  
(225) 219-3621  
ji.wiley@la.gov

#### **Mississippi**

MS Emergency Management Agency  
Patricia Stokes, Public Relations Director  
P.O. Box 4501  
Jackson, MS 39296-4501  
Telephone (601) 352-9100

#### **South Carolina**

South Carolina Office of the Governor  
Mr. Rob Godfrey, Press Secretary  
1205 Pendleton Street; Columbia, SC 29201  
Telephone (803) 734-5074  
Fax (803) 734-5167  
Email: robert.godfrey@gov.sc.gov

SC Department of Health and Environmental Control  
Ms. Mary Nguyen Bright  
Public Information Director  
Nuclear Response and Emergency  
Environmental Surveillance  
Mailing Address: 2600 Bull Street Columbia, SC 29061  
Columbia, SC 29203  
Telephone (803) 896-4099  
Fax (803) 896-4110  
Email: brightmn@dhec.sc.gov

SC Emergency Management Division  
Mr. Joe Farmer  
Public Information Director  
2779 Fish Hatchery Road  
West Columbia, SC 29172  
Telephone (803) 737-8569  
Fax (803) 737-8570  
Email: jrfarmer@emd.sc.gov

**Tennessee**

Tennessee Emergency Management Agency  
Mr. Jeremy Heidt  
3041 Sidco Drive  
Nashville, TN 37204-1502  
Telephone (615) 741-0482  
Fax (615) 242-9635

**Texas**

Texas Department of Public Safety  
EMS Public Information Officer  
Ms. Rachel Jordan-Shuss/Mr. John-Paul Garcia  
5805 North Lamar Boulevard, P.O. Box 4087  
Austin, TX 78733-00223  
Telephone (512) 424-2589  
Fax (512) 424-2444  
E-mail: rachel.jordan-shuss@dps.texas.gov  
john.garcia@dps.texas.gov

Texas Department of State Health Services  
Carrie Williams, PIO  
P.O. Box 149347  
Austin, Texas 78714-9347  
Carrie.williams@dshs.state.tx.us  
PressOfficer@dshs.state.tx.us  
Telephone (512) 965-7198