



U.S. DEPARTMENT OF  
**ENERGY**



## **WIPP Update**

***Southern States Energy Board  
Radioactive/Transportation Working Group  
Miami, Florida***

***November 17th, 2011***

**William B. Mackie  
Institutional Affairs Manager  
U.S. Department of Energy  
Carlsbad Field Office**



**EM** *Environmental Management*

safety ❖ performance ❖ cleanup ❖ closure

[www.em.doe.gov](http://www.em.doe.gov)

# Total Shipments (as of November 7, 2011)



Contact Handled 9,606



Remote Handled 529

Total 10,135



**EM** Environmental Management

safety ❖ performance ❖ cleanup ❖ closure

[www.em.doe.gov](http://www.em.doe.gov)

# Shipments Received – (as of November 7, 2011)

Site	Shipments	Loaded Miles
Argonne National Laboratory	120	205,773
Bettis Atomic Power Laboratory	5	10,955
GE Vallecitos Nuclear Center	32	44,800
Idaho National Laboratory	5,008	6,968,352
Los Alamos National Laboratory	890	304,380
Lawrence Livermore National Laboratory	18	24,804
Nevada Nuclear Security Site	48	57,312
Oak Ridge National Laboratory	123	165,189
Rocky Flats Environmental Technology Site	2,045	1,446,444
Hanford Site	572	1,034,176
Savannah River Site	120	174,240
<b>Total to WIPP</b>	<b>10,135</b>	<b>12,193,785</b>



# TRU Waste Projected Shipping Activity

(August 2011 through July 2012)

Generator Site	To WIPP	Intersite – INL
Argonne National Laboratory	30	2
Bettis Atomic Power Laboratory	5	
Hanford Site	18	
Idaho National Laboratory	688	
Los Alamos National Laboratory	215	
Oak Ridge National Laboratory	11	
Sandia National Laboratories	10	1
Savannah River Site	215	
TOTALS	1,192	3



**EM** Environmental Management

safety ❖ performance ❖ cleanup ❖ closure

[www.em.doe.gov](http://www.em.doe.gov)

# *Small Quantity Sites Update*

- All Small Quantity Site shipments have been completed except for SNL.
- Proposed Schedule to Finish Small Quantity Sites:
  - SNL: Ship RH waste to WIPP in December 2011/January 2012



# TRUPACT-III Schedule

- First TRUPACT-III (Unit 1) shipment arrived at the WIPP site on August 26<sup>th</sup>.
- Future shipments are scheduled for approximately every nine days.
- Delivery Schedule for remaining units:
  - Unit 2 – Delivery to SRS on December 24, 2011
  - Unit 3 – Delivery to SRS on January 20, 2012
  - Unit 4 – Delivery to SRS on March 9, 2012
  - Unit 5 – Delivery to SRS on March 17, 2012
  - Unit 6 – Delivery to SRS on April 22, 2012
- Biggest Lesson Learned had to do with loading. The Standard Large Box 2 (SLB2) must be centered on the pallet in order to get the door on the TRUPACT-III.

# *Incidents/Accidents*

## *May 2011 – September 2011*

Year	Month	Day	Tractor	Event type	Other info.
2011	5 (May)	17	C27	ABS lamp OOS	Inspector at Raton POE placed vehicle OOS and issued driver violation after driver had repaired lamp. CAST is protesting violation.
2011	5 (May)	18	V14	Route deviation	Unauthorized route deviation in Washington State. (D. Furse, 1st offense) WMTD escorted back on route.
2011	5 (May)	19	V12	Tractor Repair	Tractor experienced fault code for low coolant sensor. Found to be bad wire. Truck repaired and continued shipment.
2011	5 (May)	20	C26	Tractor Repair	Tractor had turbo problems and was sent to repair shop for repairs prior to loading shipment. Caused 24 hr delay of loaded shipment.
2011	6 (Jun)	1	C26	CMR notifications	CMR failed to make 2 hour notification call to Idaho.
2011	6 (Jun)	27	414	Route Deviation	May 18, 2011, Visionary Solutions, LLC (VS) had a Route Deviation out of the Hanford, Washington site. The shipment was traveling southeast on I-182. As the driver was approaching I-82 west and I-82 south off of I-182, he failed to exit on I-82 south and exited on I-82 west instead. This error caused a route deviation of approximately 3 miles on I-82 west. At that point the CMR contacted the Shipment and assisted the driver in returning the shipment to the correct route.
2011	7 (Jul)	12	C24	DOE Notification	While driving south on I-25, the WIPP driver noticed a piece of road debris (wood) in his lane of travel. He could not safely avoid it; the wood hit a brake chamber on the trailer causing a large air leak. He stopped immediately and made the proper notifications. Mechanics were dispatched and the repairs were completed and shipment continued.
2011	8 (Aug)	25	V18	Route Deviation	August 24, 2011 Route deviation occurred at the I 86 & I 84 interchange in Idaho. The driver was approaching I-84 and failed to take the proper exit. The driver was unaware that he had taken the incorrect exit and traveled approximately 10 miles. At this point he was contacted by the CMR and stopped to wait for instructions on returning to the correct route. The driver was directed to continue on to the next exit and turn around heading back to the correct route. This was approximately 4 miles, at that point the shipment traveled back to the I 84 exit and returned to the correct route.
2011	9 (Sep)	26	41-H-151A	Trailer Tire Damage	Damage to driver side rear tires of Trailer V-378, this occurred during movement of empty trailers from the CH parking area unit to the site parking lot. Note that this incident was not one of the contract carriers but WTS waste handlers pulling the trailer.



# *Lessons Learned*

---

## Route Deviations:

- Carriers should consider obtaining “turn-by-turn” navigation systems for tractors
- Consider video taping all routes to include exit signs for training purposes



# *Response to 2011 Biennial Review*

- **Bad Weather and Road Conditions**

- Action: DOE should consider allowing sufficient time for trucks already in safe parking to be released before dispatching additional shipments if there is a likelihood that the new shipments would catch up to those already in safe parking.
- Response: Normally, we attempt to ensure that cases like this do not occur.

- **Safe Parking**

- Action: DOE needs to continue to communicate frequently with the states when WIPP trucks are entering or leaving safe parking.
- Response: CMR routinely communicates with the State Dispatch Centers when WIPP trucks are in Safe Parking.



# *Response to 2011 Biennial Review*

*(Continued)*

---

- Advance Notice and Shipment Tracking
  - Action: DOE should modify the 8 week schedule by adding another column so that the old (original) shipment date may be shown as well as the new revised shipment date that is going to be used, making the 8-week schedule more helpful.
  - Response: When modifications are issued both the original and new shipping dates and times are indicated on the revision.
  - Action: Given the reliance by most states on the 8-week schedule, DOE needs to continue sharing this detailed schedule with the state contacts.
  - Response: The detailed schedule is shared with all operational personnel. DOE will continue considering requests to be added to this distribution list.



# Response to 2011 Biennial Review

(Continued)

- Medical Preparedness

- Action: DOE should have its medical training provided by medical professionals who have hands on experience similar to that of most emergency response RNs and MDs.
- Response: We have four instructors each of which have greater than 20 yeas emergency response experience. The two instructors that present this course are experienced EMTs who have excessive firefighter and hazmat experience.
- Action: DOE should have its medical courses certified so that attendees receive Continuing Education credits.
- Response: As I reported six months ago, the courses offered by WIPP are either accredited or are undergoing the accreditation process. To date:
  - The Emergency Nurses Association has accredited our courses for 7.25 contact hours.
  - The American Society of Radiological Technologists have accredited our courses for 8 continuing education credits.
  - The Continuing Education Coordinating board of Emergency Medical Services has accredited our courses for 7.0 continuing education hours.



# Response to 2011 Biennial Review

(Continued)

- Security Plan

- Action: DOE needs to identify communication problems that occurred related to the Wyoming incident and convey those to the states.
- Action: DOE needs to take appropriate internal actions as far as changing procedures or other actions to prevent similar occurrences in the future.
- Response: The DOE-CBFO Security Officer addressed this incident at the NTSF meeting held earlier this year. At that time, he recommended the formation of a Security Sub-Committee to standardize a protocol to be used in cases like this. To date, this has not been scheduled.

- Emergency Training and Exercises

- Action: DOE needs to increase the availability of MERRTT Technician Level courses.
- Action: DOE needs to engage the regional groups when developing or modifying training courses to give them a chance to comment prior to the new/modified training being offered to responders.
- Response: These actions refer to training offered through TEPP and not WIPP.



# *FY-2011 Budget/FY-2012 Request*

- CBFO

	FY-2010	FY-2011	FY-2012
Budget Submission	\$235.9 K	\$220.006K	\$220.0 K
Authorization	\$232.5K	\$217.8K	Est. \$217.8K

- SSEB

	FY-2010	FY-2011	FY-2012
Budget Submission	\$2.244K	\$2.210K	\$2.175K
Authorization	\$2.171K	\$2.137K	\$2.138K

- Carry Over Funds



# *Budget Guidance Update*

---

- Once issued, Budget Guidance will follow recommendations made by the NTSF Financial Guidance Working Group.
- Budget Guidance will not be issued until Guidance is received from Headquarters.
- Anticipate issuance sometime in early CY 2012.



# *Bad Weather Data Collection*

- Nothing has been done with this item as the M&O Contract is currently being rebid
- Once a new contract has been awarded, a change order to the contract will be considered to task the contractor with collecting this data.
- In the meantime, States can collect their own data, have it compiled and submit it to DOE-CBFO. DOE-CBFO will then review the data and indicate whether Safe Parking was used during any of the periods reported.



# *TRU Waste Transportation Plan*

- Plan Complete
- Distributed in early August 2011
- Plan on making annual page changes. Anticipate call for changes in early 2012.



**EM** *Environmental Management*

safety ❖ performance ❖ cleanup ❖ closure

[www.em.doe.gov](http://www.em.doe.gov)

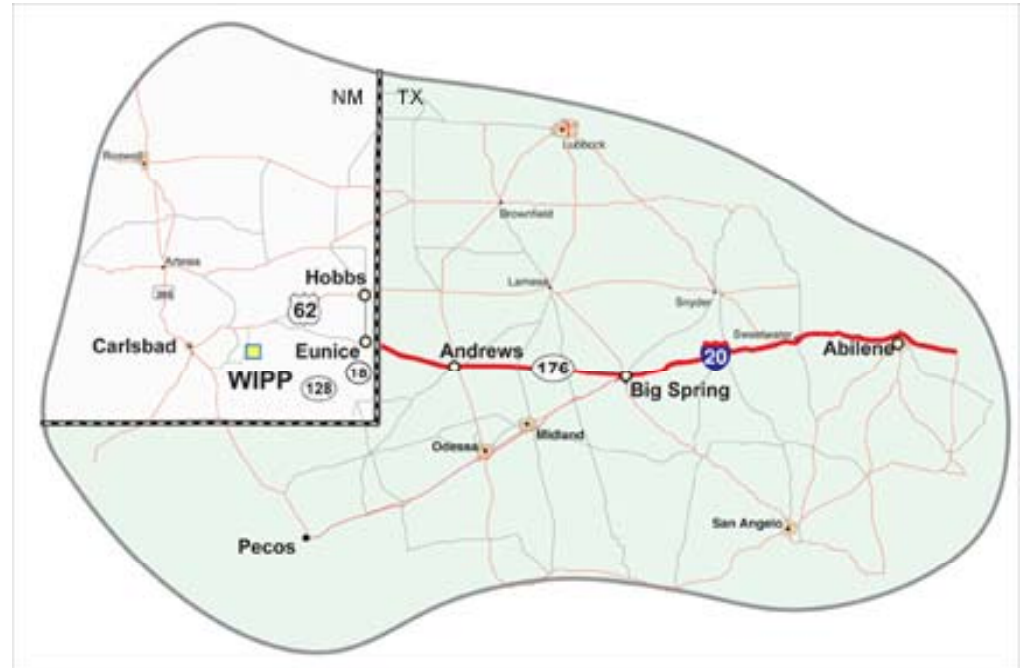
# *Proposed Route Closures*

- The following routes are being considered for closure:
  - The southern route in California (I-5) to I-40 and all of I-40 from Barstow, CA to Albuquerque, NM
  - In Nevada, US-95 and NV-6 from the Nevada Nuclear Security Site to I-80
  - In the Northeast, the NRD route to INL (I-94, I-79, I-70, and I-74 to I-80). Covers the states of New York, portions of Pennsylvania, Ohio, portions of Illinois and Indiana. Additionally, the Bettis route to WIPP (I-70, I-79 and I-68) covering the states of Pennsylvania, West Virginia, Maryland and portions of Virginia



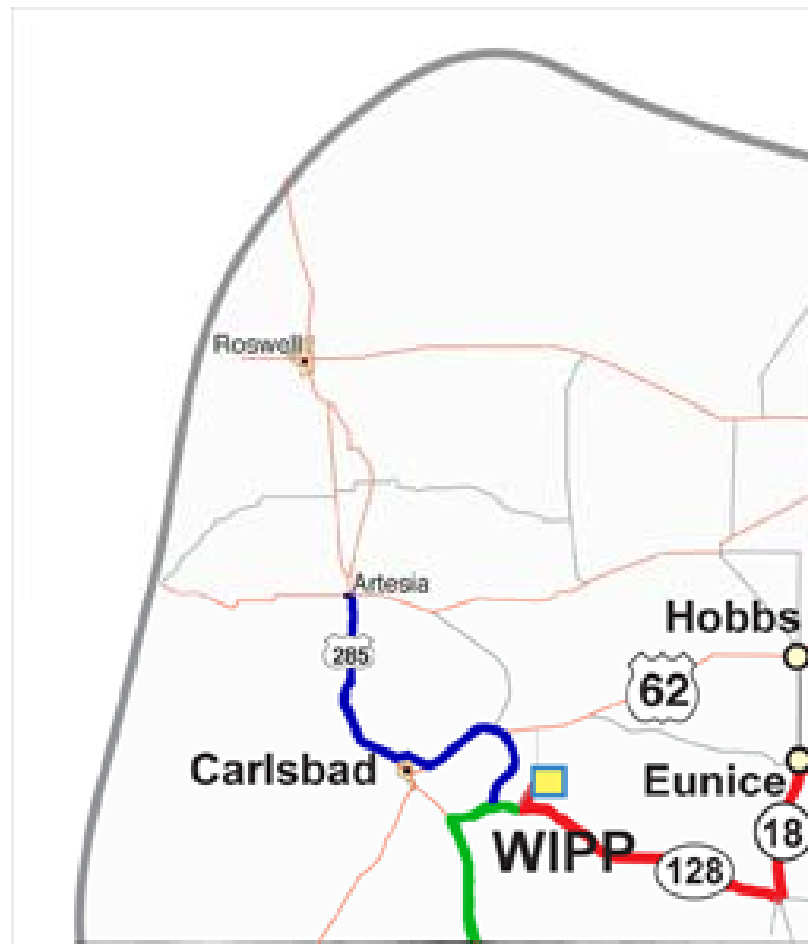
# Alternate Routes in Southwest

- Texas:
  - A request has been submitted to the State requesting the use of TX- 176 from Big Spring, TX to the TX/NM State Line.
  - CBFO currently awaiting a decision from the State.



# Alternate Routes in Southwest

- New Mexico:
  - CBFO currently has three requests before the State Roads commission:
    - Use of NM-31 from US-285 to NM-128 and the WIPP South Access Road.
    - Use of NM-176/US-18 and NM-128 from TX/NM State Line to the WIPP South Access Road.
    - Use of NM-31 from US-62/180 to NM-128 and the WIPP South Access Road. This alternative will be used during periods of construction on the North Access Road.



# Training

- During the past year, we have trained 877 First Responders in the Southern States
- Courses are now certified so that attendees can receive Continuing Education Credits, as follows:
  - 7.5 contact hours from Emergency Nurses Association
  - 8.0 continuing education credits from American Society of Radiological Technologists
  - 7.0 continuing education units from Continuing Education Coordinating Board of Emergency Medical Services
- New Team Lead for WTS External Emergency Management:  
Marsha Beekman  
575-234-8487 – Office  
575-302-5621 -- Cell



# Planned WIPPTREXs

- Western States:
  - Acoma/Laguna will be holding a TEPP exercise on September 28<sup>th</sup> on the Laguna Pueblo.
  - Shoshone-Bannock Tribes have started initial discussions on having a nighttime exercise on their reservation next year.
- Southern States:
  - The State of Georgia will be holding a WIPPTREX next April.
- Council of State Governments
  - There are no exercises scheduled.



Questions?



**EM** *Environmental Management*

safety ❖ performance ❖ cleanup ❖ closure

[www.em.doe.gov](http://www.em.doe.gov)