



U.S. DEPARTMENT OF
ENERGY



WIPP Update

***National Transportation Stakeholder Forum
Knoxville, Tennessee***

May 14-17, 2012

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



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Total Shipments (as of April 30th, 2012)



Contact Handled 9,921
(TRUPACT-III 15)

Remote Handled 541



Total 10,462



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Shipments Received – (as of April 30th, 2012)

Site	Shipments	Loaded Miles
Argonne National Laboratory	124	212,981
Bettis Atomic Power Laboratory	5	10,955
GE Vallecitos Nuclear Center	32	44,800
Idaho National Laboratory	5,168	7,191,072
Los Alamos National Laboratory	973	332,766
Lawrence Livermore National Laboratory	18	24,804
Nevada Nuclear Security Site	48	57,312
Oak Ridge National Laboratory	131	175,933
Rocky Flats Environmental Technology Site	2,045	1,446,444
Hanford Site	572	1,034,176
Sandia National Laboratory	4	1,100
Savannah River Site	1,341	2,028,884
Total to WIPP	10,462	12,562,619



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TRU Waste Shipping Activity

Fiscal Year 2012

(As of 5-10-12)

<u>To WIPP</u>		<u>Inter Site</u>	
Argonne	17	SNL to INL	1
Idaho	220	Coring drum	
LANL	115	shipments	5
ORNL	12		
SNL	8		
SRS	92	Total	6
Total	464		



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TRU Waste Shipping Activity

Fiscal Year 2013
(October 2012 – September 2013)
To WIPP

Argonne National Laboratory	40
Idaho National Laboratory	576
Los Alamos National Laboratory	384
Savannah River Site	240
Total	1,240



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Incidents/Accidents

February 2011– April 2012

Year	Month	Day	Tractor	Event type	Other info.
2011	2 (Feb)	27	C-24	Tractor breakdown.	Tractor had engine problems that required them to wait for a repair shop to open the next morning. Ended up causing a 24 hour delay of loaded shipment.
2011	2 (Feb)	28	C-27	Engine Shutdown Light	Tractor had engine problems that required diagnostics. Ended up causing a 24 hour delay of loaded shipment.
2011	2 (Feb)	28	C-31	Cracked Winshield	Windshield crack was repaired in Pocatello, ID.
2011	3 (Mar)	2	C-26	Haz-Mat permit	Driver departed from terminal with expired HAZMAT permit for truck. Terminal Manager was able to get new permit to drivers in time to make shipment without delay. CAST will submit NCR on issue.
2011	3 (Mar)	4	C-22	Drivers departed generator site without shipment papers.	INL personnel drove shipping papers to location of truck. Delay time was while awaiting shipping papers.
2011	3 (Mar)	14	V03	Driver replacement enroute	Driver replaced enroute due to weather delays causing driver to use all available hours of service per regulations
2011	3 (Mar)	22	V19	Shipment Delay	Shipment delay March 22, 2011 with Truck 419 and shipment # IN110061 due to the A/C failure in Ogden, Utah. The repairs were made in 2 hours and the Shipment continued.



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Incidents/Accidents

February 2011 – April 2012

Year	Month	Day	Tractor	Event type	Other info.
2011	3 (Mar)	29	C32	Trailer ABS issue	Trailer ABS system issue discovered by driver prior to next CVSA. Repaired by mobile mechanic service.
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	4 (Apr)	1	n/a	CMR notifications	CMR failed to notify Idaho of shipment departures
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 loaded shipment. Caused 24 hr delay of loaded shipment.
2011	5 (May)	18	V14	Route Deviation	Visionary Solutions, LLC (VS) had a Route Deviation on Load # RL110048 out of the Hanford, Washington site. This shipment was NOT HRCQ. 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. (Driver placed on 2 weeks without pay)
2011	6 (Jun)	1	C26	CMR notifications	CMR failed to make 2 hour notification call to Idaho. WIPP form initiated.



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Incidents/Accidents

February 2011 – April 2012

Year	Month	Day	Tractor	Event type	Other info.
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 @ approximately 10:00 pm VS had a Route deviation with Shipment RL11075, Truck 418. The deviation occurred at the I 86 & I 84 interchange. The driver was approaching I-84 in Idaho 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. (Driver placed on 2 weeks without pay)
2011	10 (Oct)	5	C-35	Tractor Breakdown	C-35 had a check engine light come on and lost power two miles from INL on Hwy 26. Driscoll truck service responded and advised the unit would need to be taken to the shop for repair. The empty shipment was delivered to INL by C-35, but then C-35 had to be towed in to Idaho Falls. At Kenworth in Idaho Falls, C-35 was diagnosed with a cracked fuel line. The fuel line was replaced and C-35 was available at 09:00 hrs on 10-6-11
2011	11 (Nov)	2	V03	Accident (refer to Accident Log)	Notification of the Accident on 11/2/11 with Shipment MTORR11008 and Truck 403. We will have a copy of the camera hard drive on DVD to you on Monday 11/7/11. Driver issued citation and subsequently terminated.



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WIPP Transportation



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Small Quantity Sites - Status

- Currently all Small Quantity Sites are closed
- Potential future shipments
 - KAPL
 - SPRU
 - NNSS
 - California Shipments
- West Valley



TRUPACT-III

- First Shipment received on August 25, 2011 from SRS
- Six total TRUPACT-III's
- Final package expected to be delivered in late Summer 2012
- Anticipate maximum of five shipments per week



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WIPP Carrier Contract

- Announced January 9, 2012
- Awarded to:
 - Cast Specialty Transportation, Inc. (effective March 2012)
 - Visionary Solutions, LLC (effective September 2012)
- Five year contract
- Carrier audits
 - DOE completed annual surveillance audits in March of 2012
 - No concerns or recommendations provided



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WIPP M&O Contract

- Announced on April 20, 2012
- Awarded to Nuclear Waste Partnership, LLC
 - (URS, B&W Technical Services Group and AREVA Federal Services)
- Five year base period and five year option period
- New contract set to begin in September 2012



Budget Outlook

- Fiscal Year 2013
 - Anticipate funding for CBFO at \$202M with a 10% decrement
- Fiscal Year 2014 and beyond
 - TBD
- Allowable Activities
 - As stipulated in the WIPP Land Withdrawal Act (Public Law 102-579 as amended)
 - Travel will be limited to WIPP related functions only



WIPP Transportation Training

- Training Team Lead is Marsha Beekman, (575) 234-8487
- Exercises
 - WIPPTREX held on April 17 in Walton County, GA
 - Anticipate exercise in Louisiana in Spring 2013



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Additional Information

- TRU Waste Transportation Plan
 - Currently out for review
 - Comments due June 15, 2012
- Strategic Communication Plan
 - Final edits being incorporated
 - Concurrent management approval
- Security Communications Protocol
 - Meeting in Albuquerque in April 2012
 - Discussions ongoing
- Bad Weather Data



American Energy & Infrastructure Jobs Act of 2012

- U.S. House of Representatives Transportation and Infrastructure Committee approved on February 3, 2012
- Act includes the following: Preemption of states to conduct a Level VI inspection for highway-route-controlled quantity shipments en route
 - “(4) Each State that a motor vehicle transporting a highway-route-controlled quantity of radioactive material in commerce enters shall recognize the inspection and certification required by paragraph (1) and may not require a new inspection at an equivalent level and certification except as provided in paragraph (5).”
 - “(5) If an en route change to the condition of the cargo, the driver, the motor vehicle, or the operation of the motor vehicle invalidates the certification under paragraph (1), the State where such change is discovered may require a new inspection and certification under such paragraph.”



MEET JOE FRANCO



- Became the CBFO manager in February 2012
- Work History includes:
 - After serving in the U. S. Navy, he worked on the start up of the South Texas Project (the last authorized nuclear power plant to be built in the United States)
 - In 1989 he began working with the WIPP M&O contractor where he served in numerous positions for seventeen years.
 - In 2006, began his service as a federal employee for DOE's Richland Operations Office as the Assistant Manager for the River Corridor where he was responsible for cleanup and restoration of the 220 square miles of the Columbia River Corridor, which includes former plutonium production reactors and fuel fabrication and research and support facilities, at the Hanford Site.



1. Develop new, consent-based approach to siting nuclear waste facilities
2. Create new organization (Fed Corp) dedicated solely to nuclear waste
3. Assure access by new Fed Corp to nuclear utility ratepayers fee
4. Promptly develop one or more geologic disposal facilities.
5. Promptly develop one or more consolidated storage facilities.
- 6. Promptly prepare for large-scale transport of SNF and HLW to consolidated storage and disposal facilities**
7. Support R&D on nuclear energy technology and workforce development
8. Active US leadership in international work on waste management, and non-proliferation

BLUE RIBBON COMMISSION ON AMERICA'S NUCLEAR FUTURE

**Report to the Secretary of Energy
January 2012**



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Chapter 9 – TRANSPORTATION ISSUES

- Strong endorsement of NAS2006 recommendations: ***Going the Distance***
- Strong endorsement of WIPP Transportation System – Apply to new SNF/HLW protocols

“The ability to safely and securely transport nuclear materials is critical to implementing a comprehensive and workable waste management system”

Recommendation: Prompt Implementation of Nuclear Waste Policy Act Section 180(c):

- ☐ Fund technical assistance for training of public safety officials to states and tribes through which shipments would travel
- ☐ Early implementation 180(c) around defense HLW sites and shutdown reactor sites
- ☐ Develop pilot training programs
- ☐ Provide information to public about transportation at these early sites
- ☐ Authority and direction to states and tribes and local governments through grants to acquire emergency response equipment



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Questions?



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