

Missouri Department of  
**Natural Resources**

## Missouri's Role Regarding Radioactive Waste

Jane Beetem  
Director's Office  
August 15, 2013



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## Low-Level Radioactive Waste



**532 LLW Shipments in FY13**

June 6, 2013: DOE officials joined Waste Control Specialists for the grand opening of the Federal Waste Disposal Facility, Andrews, Texas – now accepting Class A, B and C waste.

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## Midwest Interstate Low-Level Radioactive Waste Compact Commission

- Indiana, Iowa, Minnesota, Missouri, Ohio, Wisconsin
- Annual meeting by phone June 25
- Approved contract for legal services
- Approved contract for auditor
- Approved financial report & budget
- Discussed WCS waste acceptance, funding for disused sources

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Fees – per RSMo 260.392

- Missouri Revised Statute 260.392 became effective Aug. 28, 2009. This statute provides information and requirements related to the shipment of high-level radioactive waste, transuranic radioactive waste, highway route controlled quantity shipments, spent nuclear fuel, or low-level radioactive waste through or within the state, including the collection of fees.

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Low-Level Fees

- Low-level shipments pay \$125 for each truck or train moving in or through the state.
- Funds generated by fees are used by the department for training and radiation detection equipment for first responders along routes for radioactive shipments.



The poster includes contact information: 'For more information: Call 877-361-3822 or email: [www.mdnr.com](mailto:www.mdnr.com)'

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High-Level Radioactive Waste, Spent Nuclear Fuel



34 HRCQ Shipments in FY13

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### High-Level Radioactive Shipment Fees

- Shipments of radioactive material and waste, except low-level radioactive waste, pay \$1,800 for each truck, plus a surcharge of \$25 per mile for every mile over 200 miles traveled within the state. This includes all high-level radioactive waste, transuranic waste, spent nuclear fuel or highway route controlled quantity shipments traversing the state or any portion thereof more than 30 miles in length.
- Rail shipments of high-level radioactive waste, transuranic radioactive waste and spent nuclear fuel pay \$1,300 for the first cask and \$125 for each additional cask for each rail shipment.

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### State's Role in High-Level Shipments

- Department of Natural Resources coordinates with Missouri Highway Patrol, the State Emergency Management Agency, Department of Health and Senior Services and our Environmental Emergency Response staff.
- The department reviews transportation plans prior to large scale shipping campaigns.

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### Safety Precautions

- Patrol conducts an inspection of the truck on arrival and escorts the shipment through the state. Highway Patrol escorts have authority to pull shipment into safe parking, if needed.
- DHSS conducts a radiological inspection of the truck upon entry to the state.
- DNR-EER is prepared to respond to emergencies, and works with DHSS to conduct training for first responders.
- SEMA calibrates radiation detection equipment for agencies and responders.



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### Shipment Routes

- Federal regulation requires radioactive shipments to utilize interstate routes where practicable.
- Missouri may elect to designate an alternative route in a certain area. (Ex.: 370)

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### Safeguards

- Federal regulation prohibits discussing shipments publicly until several days after arrival at its final destination.

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### Nationwide Planning Efforts

- The department is represented on the Midwest Radioactive Materials Transportation Project, staffed by the Council of State Governments and funded by the Department of Energy.
- DOE hosts a national forum, the National Transportation Stakeholders Forum each year.
- Missouri is part of DOE's Core Group, helping DOE decide how to proceed toward disposal of radioactive waste in a geologic repository.

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Ongoing Education



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