

# ***Security Issues for Spent Fuel Transportation***

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Nuclear Future  
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# Overview

- **NRC regulations and security orders establish requirements for the protection of spent nuclear fuel (SNF) in transport**
- **Security requirements provide high assurance of adequate protection of -**
  - **Public health and safety**
  - **Common defense and security**
  - **Environment**



# ***Transport Rulemaking***

- **SNF transportation security rulemaking is intended to address -**
  - **Generic applicability of post 9/11/2001 orders**
  - **Lessons learned from previous NRC inspections**
  - **Issues raised in petition for rulemaking from the State of Nevada (PRM-73-10)**
- **SNF transportation security rulemaking is separate from SNF storage facility security rulemaking**



# ***Rulemaking (cont.)***

- **Rulemaking midway through process**
  - **Proposed rule with Commission**
- **Next step**
  - **Publish proposed rule for comment**
  - **Publish supporting guidance documents for comment**
  - **Projected publication before end of 2010**



# ***Rulemaking (cont.)***

- **Major Elements of rulemaking**
  - **Advance planning and coordination with States**
  - **Increased notifications and communication**
  - **Continuous and active shipment monitoring**
  - **Armed escorts over entire shipment**
  - **Background investigations (access to Safeguards Information)**



# ***Rulemaking (cont.)***

- Training and qualification**
- Separate future rulemaking to apply 42 U.S.C. § 2201a to SNF transportation**
  - Enhanced weapons (machine guns) and preemption of State requirements**
  - Firearms background checks on armed escorts**
  - Discussions needed with DOJ on impacts of 18 U.S.C. § 922(q) restrictions to SNF shipment security**



# Summary

- **The rulemaking on SNF transportation security is at a midpoint**
- **The rulemaking on enhanced weapons for SNF transport is several years away**





# **Conclusion**

- **SNF has been shipped safely and securely for decades**
- **SNF shipments are occurring today both domestically and internationally**
- **NRC's ongoing and future rulemakings will enhance security of SNF transportation**