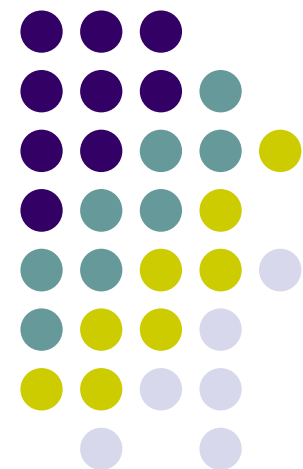


**EFCOG Waste Management
Working Group
Packaging & Transportation (P&T)
Subgroup**

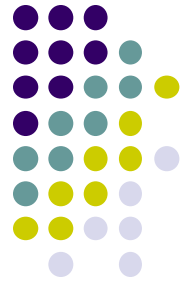


Update P&T Working Group

Presentation to EFCOG Waste Management Working
Group
March 9th, 2017



EFCOG Documents Prepared



- The final EFCOG Packaging and Transportation (P&T) Sub Group produced
 - Initial white paper
 - Evaluation of survey standards
 - EFCOG Best Practice
 - Final report and recommendations (June 2016)
- Will aid in reducing both costs and project impacts while improving compliance for evaluating non-DOE owned commercial transport conveyances who transport DOE-owned radioactive material/waste



EFCOG Report



Purpose: Provide technical input and recommended best practices for Department of Energy (DOE) or contractor organizations involved in the radiological evaluation of commercial motor vehicles incidental to the activities associated with inbound or outbound shipments.

- Identified several best practices to prevent or minimize contamination of commercial transport vehicles
- Provides scenarios and recommendations that will provide methodology that could assist to resolve conflicting direction provided in DOE orders and standards associated with management of radioactive shipment clearance criteria
- Develop a rationale for utilizing exclusions in 10 CFR 835 to establish a consistent (complex-wide) policy for the release of Commercial Carrier Radioactive Material Transportation Equipment.





Recommendations

- Resolve conflicts between DOE directives as well as the difference in Federal regulatory requirements for clearance and release of non-DOE owned conveyances to public transport
- Determine DOE position for situations where non-DOE owned radioactive material is detected during initial pre-load monitoring for conveyance equipment
- Implement ALARA processes and procedures to minimize or prevent DOE owned radioactive contamination of transport conveyances
- Consider the development of Standardized Vehicle Survey Plans and/or contracting or shipping paper templates to address clearance values that would require mandatory implementation. (policy or contract direction required)



Recommendations (cont.)

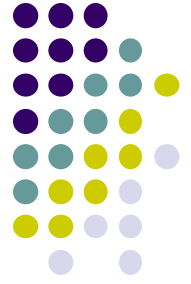


- Management actions such as, use of various removable impermeable barriers between the load and conveyance (e.g. friction mats), prior to preparing a shipment also will reduce the potential for contamination of non-DOE owned conveyances
- Use of trailers with aluminum, or metal floors instead of wooden decks would aid in reducing the impact of any release or leaching
- Develop recommended contract language to improve management of equipment not owned by DOE or DOE contractors



FY 17 EFCOG

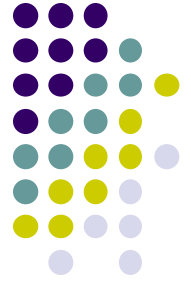
Continuing Support



- PTWG continue to provide technical support and impact review for the development of overall performance metrics for use by DOE sites when conducting radioactive shipments clearance survey
- Collect and compile relevant waste transportation incident and issue information from DOE sites in order to produce a summary of recent lessons learned
 - Inputs will be collected by EFCOG P&T members as well as through soliciting inputs from CTMA, the TMC, HQ Occurrence Reports, and from NNSS waste generators
 - Report planned in the fourth quarter of FY17 that will provide a summary of recent lessons learned that can be distributed to multiple sites for use in planning future waste transportation activities while ensuring that those activities will meet all applicable DOT and DOE requirements associated with packaging and physical transportation of radioactive waste

FY 17 Tasks

EFCOG P&T Group Cont.



Integrate improvements and provide technical inputs and interface with DOE with regard to the implementation and deployment of the Automated Transportation Logistics Analysis System (ATLAS) software product

- The EFCOG team is working to develop, beta test and encourage use of the system across the DOE complex
- Use DOE-wide is expected to save in excess \$1.5 million per year in cost reductions from the use of government tenders and pre-payment audits



Questions

