



U.S. Department of Transportation
Federal Railroad Administration

FRA Hazmat Seminar
Eliminating NARs from Tank Cars
September 2013
Billings, MT

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Washington, DC



Overview

Overview of HM Safety Program

NAR Data/Trends

National Inspection Program

National Safety Program Plan

Tank Car Quality Assurance





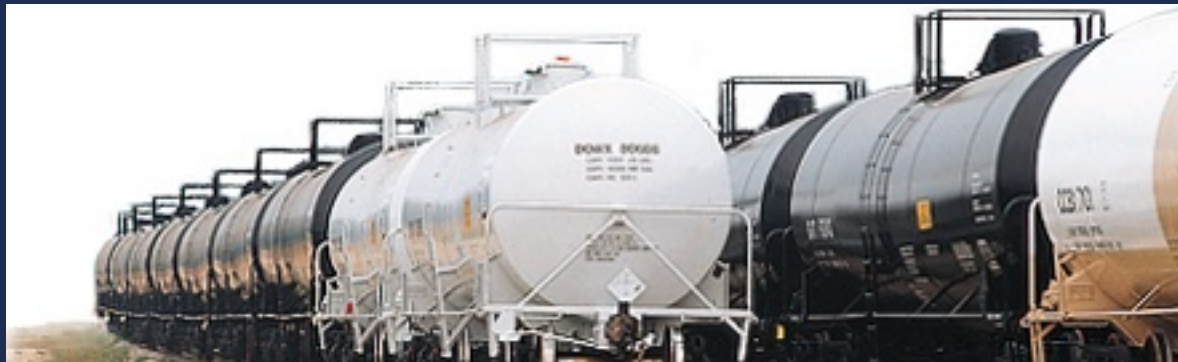
Federal Railroad Administration

Introduction



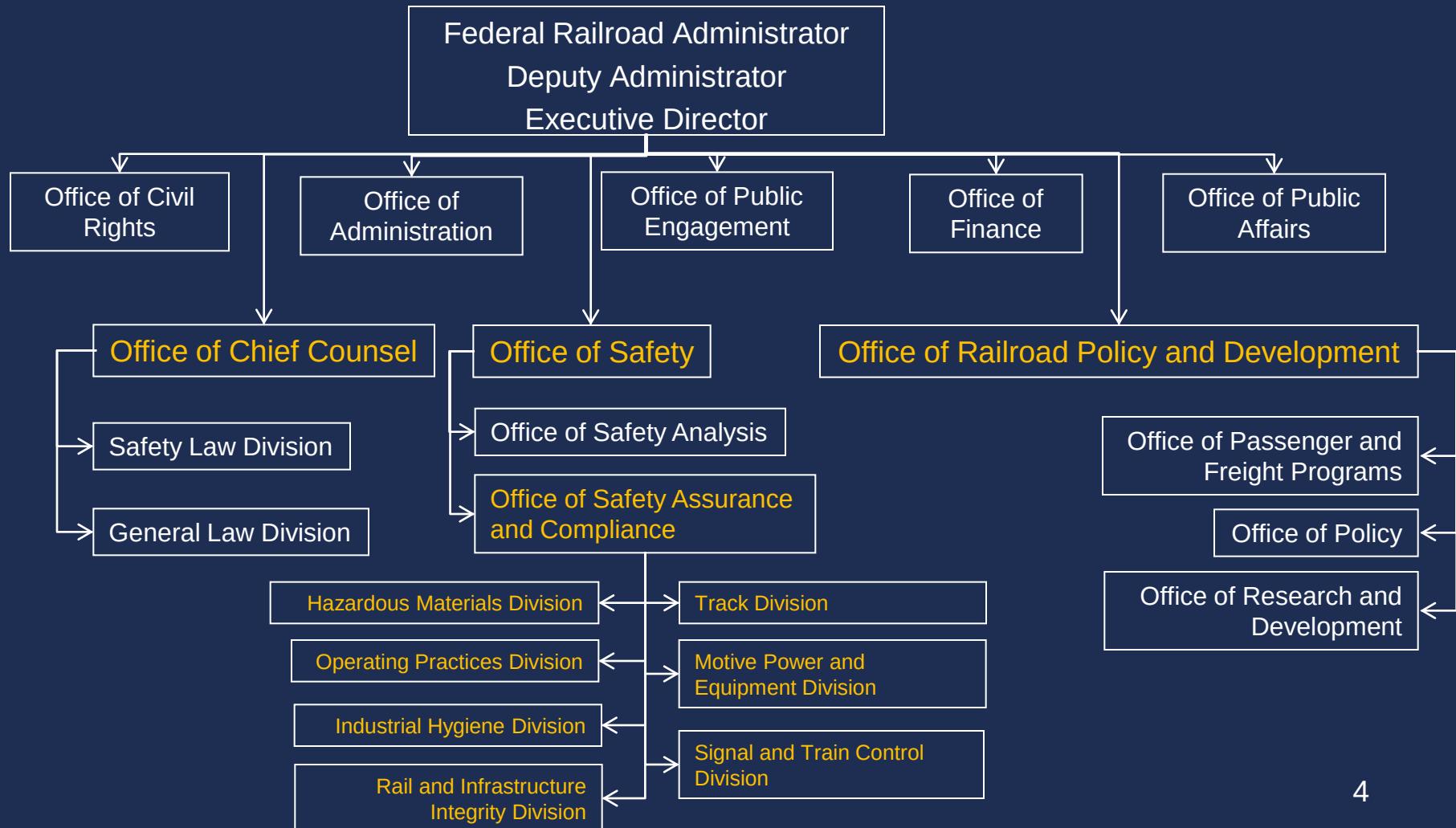
Rail - Moving America Forward

The mission of the Federal Railroad Administration is to enable the safe, reliable, and efficient movement of people and goods for a strong America, now and in the future.





FRA Organization



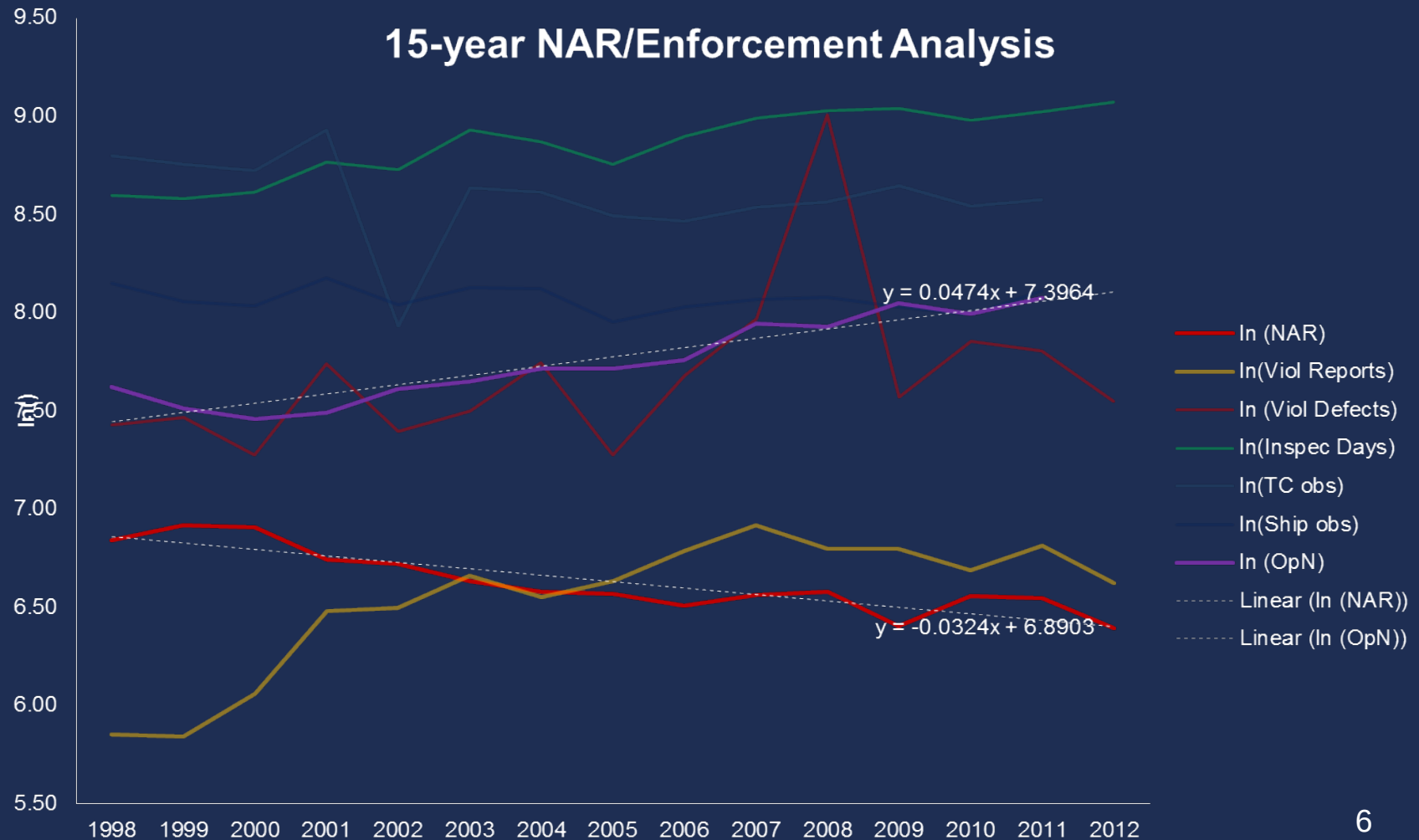


Hazardous Materials Safety Program

- Organization/Personnel
- Regulations/Policy
- Enforcement (Inspections/Audits)
- Outreach
- Grants
- Research

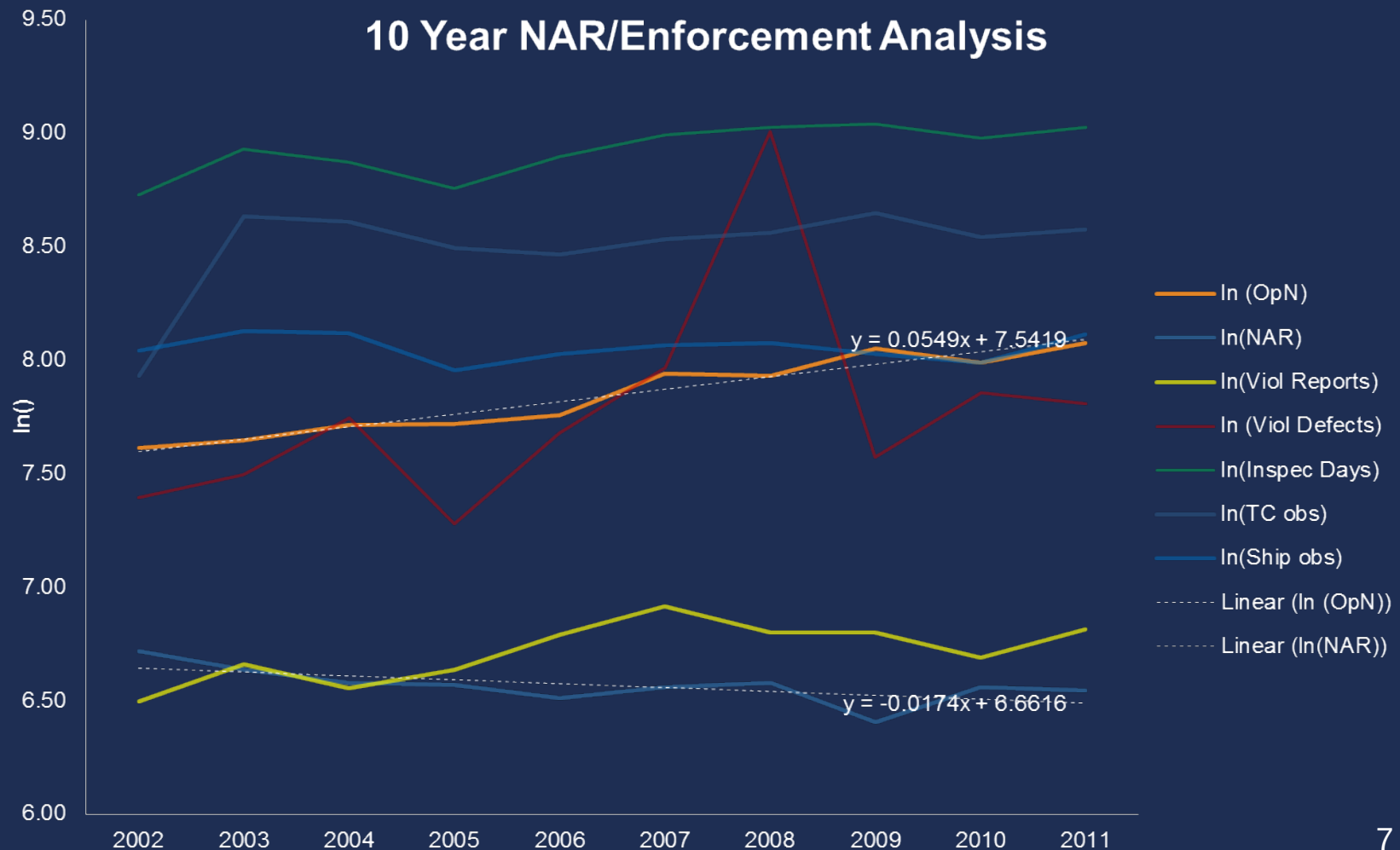


NAR Trend/Enforcement



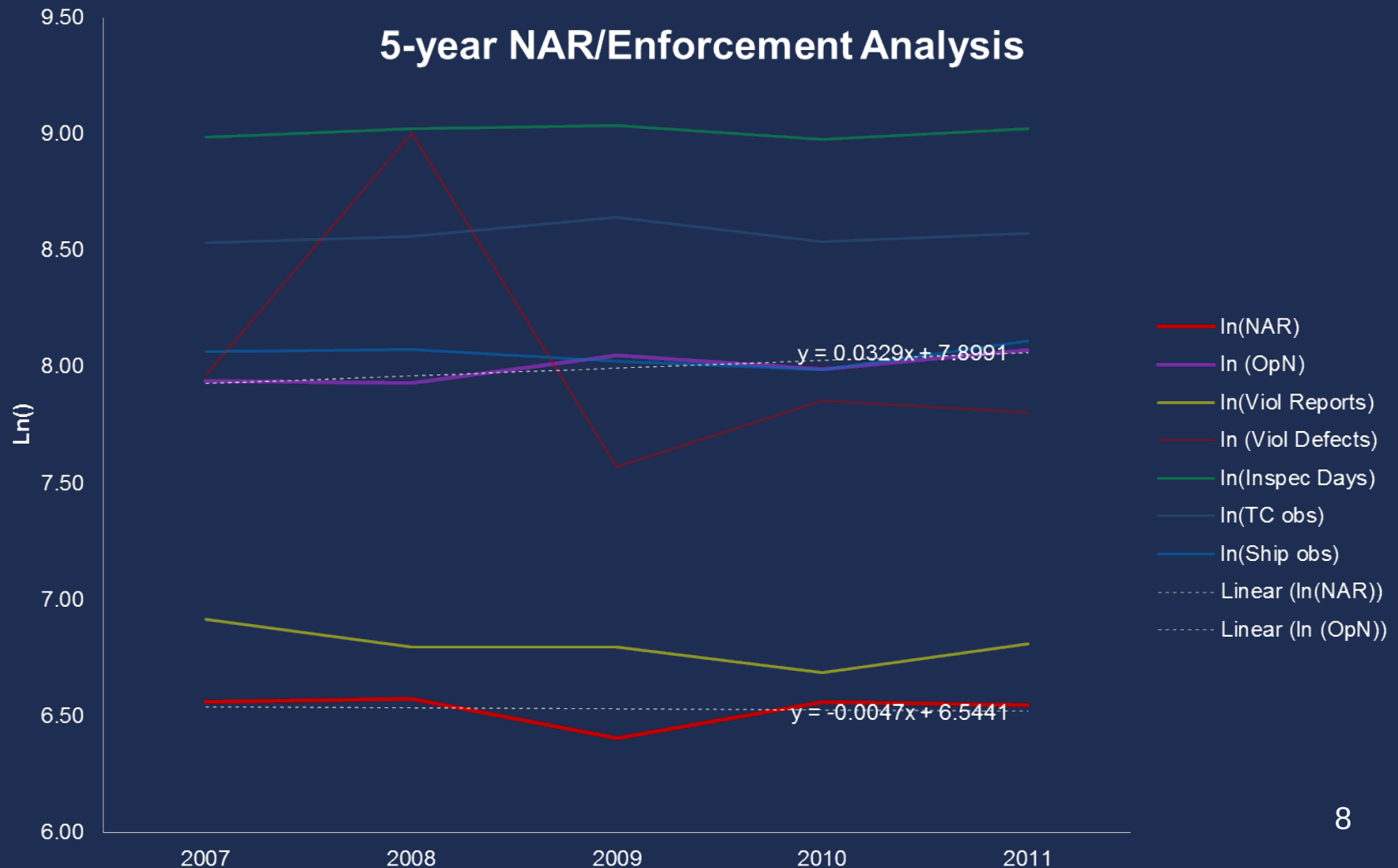


NAR Trend/Enforcement





NAR Trend/Enforcement





National Inspection Plan

- **Resource optimization**
- **Data driven**
- **Focused inspections**
- **Three steps**
 - HQ develops baseline plan
 - Regional adjustments (knowledge and emerging issues)
 - Monitor progress relative to goals



National Safety Program Plan

- **Training Evaluation Program Review**
 - NAR Data
 - Compliance of Corporate Training Program
 - Compliance at Plant Level with Corporate Training Program
- **“Fracking” Products Loading Operations Review**
 - Identify facilities
 - Evaluate OTMA/compliance history
 - Proper classification of materials
 - Proper outage
- **Multi-modal Inspections at Inland Facilities**
 - Blocking and Bracing
 - Undeclared



Tank Car Quality Assurance Program

- National Audit Plan
- Registered and Certified facilities
- Tank car owners
- One time movement approvals
- Measuring success
- Foreign manufacturers
- Path forward – Risk-based approach



Tank Car Quality Assurance Program

49 CFR 179.7	Description	2010	2011	2012	2013	Totals
(a)(1)	Finished product meets specs and regulations	12	20	29	2	63
(a)(2)	Can detect nonconformity	19	31	22	4	76
(a)(3)	Prevents recurrence of non-conformities	3	14	6	1	24
(b)(1)	QA authority and responsibilities	7	7	6	1	21
(b)(2)	QA Organization	1	9	2	2	21
(b)(3)	Document control	30	57	81	20	188
(b)(4)	Material ID & Documentation	50	89	11	38	288
(b)(5)	Inspection and test plan	12	29	20	7	68
(b)(6)	Process control	25	36	28	10	99
(b)(7)	Nonconformity control	3	9	10	1	23
(b)(8)	M-1002 applicability	24	59	58	19	160
(b)(9)	Personnel qualification	6	16	18	4	44
(b)(10)	Process capability	3	14	10	6	33
(b)(11)	Calibration of inspection and test equipment	24	62	90	22	198
(b)(12)	Maintenance of records	4	17	19	4	44
(c)	NDE personnel qualification	11	23	43	4	81
(d)	Written procedures provided	9	29	24	9	71
(e)	Training	53	47	50	13	163
(f)	Operate according to QA plan	3	0	8	0	11
	Facilities audited (*Jan 1-Mar 31)	59	87	96	26*	268
	Cars for corrective repair	102	248	501	67	918
	Withdrawn Cert/Reg.	16	22	16	0	54



Action Plan For Hazardous Materials Safety

- December 2012

Bakken Rail Accident Mitigation Project (RAMP), FRA is conducting additional hazardous materials safety inspections in the area as well as facilitating hazardous materials safety training seminars with shippers, consignees, contractors, and sub-contractors. In addition, FRA is working with stakeholders, participating agencies, local officials and rail carriers on highway-rail grade crossing safety and trespass prevention,



Action Plan For Hazardous Materials Safety

- **July 2013**

In a letter to the American Petroleum Institute, DOT informed the industry that the FRA will utilize PHSMA's test sampling program to ensure that crude oil is being properly tested and classified for shipment in HMR authorized tank cars.



Action Plan For Hazardous Materials Safety

- **August 2013**

A public meeting was held on August 27th and 28th in Washington, D.C. to receive public input on improving the safe transport of hazardous materials by rail, including a discussion on enhanced design specifications for the “DOT 111” tank cars commonly used to transport petroleum crude oil and ethanol along with the HM-251 petition for general purpose cars.



Action Plan For Hazardous Materials Safety

- **August 2013**

In the wake of the *Lac-Mégantic* rail accident, the FRA issued Emergency Order No. 28 requiring the railroads to properly secure rolling equipment. The Order provides directives about unattended trains, train securement, the use of locks and the reverser on a locomotive, communication between train dispatchers and train crews, recording information, daily job briefings and notification to railroad employees.



Thank You

For additional assistance contact

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