BNSF RAIL SAFETY OVERVIEW

APRIL 27, 2016
LAKEWOOD, WA
BNSF’s Safety Overview

• Rail is safest mode of land transportation.
• BNSF’s safety vision is to prevent accidents in the first place.
• BNSF has a broad-based risk reduction program.
Prevention

Bridge and Track Inspections
BNSF inspects tracks and bridges more often than required by FRA

- Most BNSF key routes inspected **four times weekly** and **busiest daily**
- Geometry car inspections performed **at least two times** on crude oil routes annually

Increased Rail Detection Testing Frequencies Along Critical Waterways

Increased rail detection testing along critical waterways from the FRA frequency of twice annually to **2.5 times in April 2015**

Equipment Detection Technology

- More than 2,000 trackside detectors
- **10 mile spacing** along the Columbia River

Speed Restrictions
**50 MPH and 35 MPH in Populations > 100K**

Positive Train Control (PTC)
Mitigation: New Tank Car Standards

Tank Cars for High-Hazard Flammable Trains (HHFT)
New tank cars built after Oct. 1, 2015, must meet enhanced DOT 117 design or performance criteria for HHFT:

- Increased thickness from 7/16 inch to 9/16 inch steel
- Thermal protection required
- Jacketing with minimum 11-gauge steel and weather-tight
- Full-height Head Shield - 1/2-inch thick
Historically, BNSF has provided local first responders information about hazmat shipments upon request. **Today we go even further**

- Since July 2014, BNSF provides **State Emergency Response Commissions with Bakken crude traffic train counts** on transport of 1 million+ gallons.
- BNSF offers **SECURETRAK** website, a real-time Geographic Information System tracking program, to state and/or regional fusion centers.
- Industry **launched AskRail app** to provide first responders with car-specific data for hazmat contents and railroad contacts during incident.
- BNSF **developed national inventory of resources** for first responders, staging of emergency response equipment and community notification contacts.
- BNSF launched **www.BNSFHAZMAT.com** website to provide information such as training and emergency response plans to first responders.
Response: Hazmat Training

2013 to Current - Trained over 3500 responders in the PNW

Sponsored 1st responders to attend a 3 day CBR ER Class

- 2014 = 204
- 2015 = 115
- 2016 (scheduled) = 44
ER Equipment Allocation in NW

Locate specialized equipment (oil spill containment booms, hydraulic skimming systems, oil recovery bladders and other equipment which has traditionally not been found in inland locations.)