



## AGENDA

### RAIL LOADING SAFETY SEMINAR

WEDNESDAY, SEPTEMBER 12, 2018

WILLMAR CONFERENCE CENTER

9:00 A.M. - 4:00 P.M.

This course, presented by the Minnesota Grain and Feed Association, is designed as a one-day refresher for those currently involved in rail loading activity and as an introductory course into safely working around railroad tracks and equipment.

**Instructors:** Seven Fry, Northern Plains Rail Companies and David Nelson, Director, MGFA Safety & Health Program

#### **I) Core Safety**

1. Introduction - Carry a positive attitude towards safety; Explain the personal responsibility and accountability for safety; Assess and mitigate potential hazards.
2. Conduct an effective job briefing.
3. Yard Safety - Explain the basic safety and rail industry standard precautions to be taken in a rail yard or customer tracks; demonstrate a commitment to safe practices in everyday work; Use hand signals to stop a movement if required or necessary.
4. Handling Derails - Identify the type of derail; Place the derail non-derailing position; Place the derail in derailing position; communicate the position of the derail.
5. Track Protection - Explain the use of blue and Red Flags for protecting workers; Properly use a Blue Flag; Properly use a Red Flag; Explain and comply with industry-standards and rules respecting protection.
6. Entrain and Detrain Stationary Equipment - Entrain stationary equipment safely and properly; Detrain stationary equipment safely and properly.
7. Crossing Over Stationary Equipment

#### **II) Freight Car Inspection**

1. Introduction - Explain why freight car inspections are important; Identify, assess, and mitigate potential hazards associated with inspecting freight cars.
2. Reporting Defects - identify the "B" end of a freight car; Identify the right and left sides of a freight car; correctly number the wheels on a freight car; identify the components of a rail car; explain how to report a defect.
3. Freight Car Inspection Checklist - Perform a freight car inspection; correctly identify a defect; correctly report a defect.

#### **III) Car Air Brakes**

1. Components - Car Air Brake System; Brake Pipe and Angle Cocks; Branch Pipe and Combined Dirt Collector and Cut-out Cock; Control Valve; Two-Compartment Reservoir; Brake Cylinder; Retainer Valve
2. Operation - Control Valve Operation; Charging; Application; Control Valve Lap; Releasing and Recharging

3. Working with Car Air Brakes - Be aware of the potential hazards of working with car air brakes such as; Lack of Knowledge (components, operations); Defective Equipment (airbrake system, equipment design); Insufficient Air (charging of the system); Non-Compliance / Shortcuts / Ignoring Best Practices
4. Background Information - Understanding the relationship between air volume and pressure

## **LUNCH BREAK**

### **IV) Car Securement**

1. Introduction - Explain and follow the rules and policies that pertain to applying handbrakes; identify, assess, and mitigate the potential hazards associated with securing equipment; Apply the correct number of handbrakes on any given cut of freight cars.
2. Vertical Wheel Hand Brake - Correctly apply a Vertical Wheel Geared Hand Brake; correctly release a Vertical Wheel Geared Hand Brake.
3. Car Braking Systems

### **V) Rail Car Mover (RCM) Operation and Inspection**

1. Pre-Use Inspection of Locomotive or RCM
2. Air Brake Test of Locomotive or RCM
3. Locomotive and RCM Operation and Potential Hazards such as - Weather, Grade, Type and Number of Car Equipment Handled, Experience, Familiarity with job site, Communication, Use of / and non-use of the air system, and Housekeeping inside the cab

### **VI) Switching Operations**

1. Safe Switching Operations - Switching procedures; Signaling and radio procedures; Safe switching practices; Practical onsite training
2. Locomotive or Rail Car Mover inspection - Pre-departure inspections; Brake tests; Inspection protocol; and, Maintenance
3. Locomotive or Rail Car Mover operations - Taking control of a locomotive; Locomotive securement; Radio procedures; Operating practices; and, Mechanical