

Tank Car Specialist

This 24-hour class is designed for the responder who will respond to railroad tank car emergencies. This class meets NFPA 2002 Chapter 8 requirements. This class covers rail tank car anatomy and design, damage assessment, tank car repair, transloading and emergency deinventory.

Upon completion of this class, you will be able to:

1. Describe the use of rail cars and identify the regulatory agencies that effect rail car transportation.
2. Describe how rail tank cars are classified.
3. Describe rail tank car construction features.
4. Locate and identify the components of rail car markings.
5. Identify a non-pressure tank car, explain its uses, and describe its construction and safety features.
6. Identify a pressure tank car, explain its uses, and describe its construction and safety features.
7. Describe the support structure of a rail tank car.
8. Identify and explain major factors that affect tank damage severity.
9. Explain how to obtain the internal pressure of a rail car.
10. Describe common leak points on rail cars.
11. List and describe five types of damage that may occur to railcars during collisions or derailments.
12. Explain the inspection process for damaged rail cars.
13. Describe when transloading hazardous materials may be required.
14. Describe common concerns when transloading hazardous materials.
15. Understanding static electricity - bonding and grounding.
16. Describe and demonstrate proper use of equipment for transloading hazardous materials.
17. Explain the purpose of “flaring” (burn-off).

