



RAILROAD EMERGENCY RESPONSE

ARE YOU PREPARED?

COURSE OVERVIEW

The Union Pacific Railroad (UPRR) Hazardous Materials Management Team presents Railroading 101 (RR101). Training will include an overview of the UPRR system, pre-planning, railroad equipment (locomotives, tank cars (pressure and non-pressure)), contacting the railroad, safety while operating on or near the railroad, railroad resources, markings, rail shipping papers, the emergency response process, and recovery operations.

COURSE LENGTH

Approximately 1 hour 30 minutes

AUDIENCE

It's intended for anyone that might have contact with the railroad during a rail emergency, whether it's a derailment, grade crossing collision or some other event where responders and railroad personnel could interface. Law enforcement, EMS, Emergency Management and even dispatchers are potential participants that could attend the "Railroading 101" class.....anyone that's part of the response to the railroad emergency.

DATE

LOCATION

TIME

COURSE LOCATION

Union Pacific provides a no-cost railroad hazardous materials familiarization course for community emergency responders.

Training is conducted at the location of your choice or online via the **Transportation Community Awareness and Emergency Response (TransCAER®) LMS system.**

ONLINE SIGN UP INSTRUCTIONS



QR code to online training via

TRANSCAER®

LMS System Training Course

If you do NOT have an LMS account:

1. Sign Up to create a TRANSCAER LMS account.
2. Once you create your account, you will be brought back to the course page.

You do not need an access code to register for an LMS Account or to access this course.

If you have already created an LMS account, simply sign in and return to the course to proceed.

Access the Union Pacific Railroad Hazmat Management Railroading 101 course online at:

<https://www.pathlms.com/transcaer/courses/36547>

If you have any questions or would like training, please contact HMM@up.com



To report an emergency
or to stop a train notify
RMCC at
1-888-877-7267

- Criminal Activities
- Crossing Accidents / Accidents, Not at Crossings
- Derailments
- Fires
- Hazardous Material Spills / Environmental • Incidents
- Injured Parties / Facilities
- Track Obstructions

Obtain the consist from the conductor upon arrival. **If conductor is not available contact RMCC.**
Obtain consist before approaching site of derailment or leaking car.
Approach incident from upwind and assess with binoculars.
Contact with Hazmat manager should be made through RMCC early into incident (within 1st 15-20 min if possible)

BASIC RAIL SAFETY

- Always expect a train from either direction - provide spotter to stay in contact with RMCC
- **Contact RMCC to stop train traffic if working near or on tracks or laying supply line across tracks**
- Provide flagger 2 miles in either direction from incident location
- Make contact with the crew or yard personnel **BEFORE** climbing on or over a rail car
- Use walkways and face cars when climbing, 3 points of contact. **NEVER** climb over couplers
- Watch for slips, trips, and falls - ground may be uneven and trip hazards present
- Don't linger between tracks or stand on rails
- Stay at least **25 FEET** away from all train equipment.
- Do not lean on trains or locomotives

SCENE SIZE-UP

- What do you see? (fire, smoke, vapor, liquid leaks, etc)
- Audible noises? Whistling or hissing?
- How many cars and what position are they in? Approach from upwind with binoculars
- Topography of the area? Bodies of water, ditches, drains, etc near-by
- Proximity to residential or commercial buildings

TANK CAR TYPES

PRESSURE CAR - Single Protective Housing



(only one thing on top - nothing on bottom)
Compressed gas product - LPG, Chlorine, Anhydrous Ammonia.
May contain flammable or non-pressure material.

NON PRESSURE CAR - Multiple fittings seen on top of car



Liquids - Flammable, non haz, food products.
Jacketed or non-jacketed.

CRYOGENIC CAR - No fittings on top of car



Refrigerated liquid - Argon most common - venting from pipes up the side of the car is normal operation.
Valve box either on end of car or in the center underneath.

FD 20 QUESTIONS

1. What is the wind direction?
2. Where is the crew?
3. How many are on board?
4. Do I have a copy of the consist?
5. Have I contacted UPRR Hazmat representative?
6. What lines of the consist are involved in the incident?
7. Is there any hazmat in those consist lines?
8. Have I verified the consist lines involved through use of binoculars or visual observance?
9. What is the last car on the tracks on each end of the incident? (everything in between is involved!)
10. What are the cars involved (loaded or empty, type of car, are they hazmat)? (use cheat sheet)
11. What is the physical state of the product (solid, liquid, gas)?
12. If no hazmat, do I have any with environmental concerns (soda ash, lime, oil)?
13. Have I contacted UPRR Hazmat representative?
14. What are my surroundings (schools, residential, commercial)?
15. Do I need to evacuate, shelter in place, or leave as is?
16. Is the locomotive involved?
17. Can I see the incident?
18. Is there a vapor cloud, smoke, or haze in the area?
19. Have I met with the train crew?
20. Have I contacted UPRR Hazmat representative? (RMCC at 1-888-877-7267)

