



Definitions

EHSS-Phos Program – Railroads, Appendix A

Definitions Key terms used in this program are defined below.

Term	Definition
Bad Order	Railcar that has a mechanical defect.
Blue Signal	A clearly distinguishable blue flag or blue light by day and a blue light at night. The hazmat employee responsible for loading/unloading must display caution blue signs on the track to warn persons approaching from an open end of the track and must be left up until all closures are secured and the cars are in proper condition for transportation.
Classes of Tracks	Classes of tracks are based on operating speed limits. Excepted tracks and Class 1 tracks have an allowable operating speed for freight trains of 10 miles per hour.
Double Shelf Couplers	Also known as coupler vertical restrain system . Hazmat railcars are required to be equipped with this type of coupler on both ends. The shelves attached to the top and bottom of the coupler are designed to keep cars coupled and avoid punctures to adjacent cars during a derailment.
Dropping cars	Switching movement in which cars are cut off from an engine or other cars and allowed to roll free into a track.
Engineer	Qualified worker who operates and controls locomotives.
Federal Railroad Administration (FRA)	Federal agency governing the general railway system.
Fouling a Track	Means placement of an individual or an item of equipment in such proximity to a track that it could be struck by a moving train.
High Activity Work Zone	Work activity/project taking place within twelve feet of the centerline of the track that has high potential for workers, materials, or equipment to cross into the eight feet minimum clearance zone.
Individual Train Detection (ITD)	A procedure by which a lone worker acquires on-track safety by seeing approaching trains.
Hinged and Bolted Manway Assembly	Manway cover and nozzle on a Sulfur or Sulfuric Acid tank car used for dome loading, venting during gravity unloading, access to view gauging level and commodity sampling. The manway cover or lid features a hinge that permits it to be pivoted from closed to open. The cover is secured by fasteners (eyebolts) spaced around the circumference of the manway cover.
Industrial Yard Tracks	Tracks that are solely within the confines of an Industrial Facility.



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Kicking cars	Applied to switching, kicking is the act of pushing a car or cars at speed ahead or behind an engine, and then cutting the car or cars loose from the engine while the brakes are applied quickly on the engine, thus allowing the car or cars to be kicked free.
Plant Railroad	Plant that owns a locomotive and uses it to switch cars throughout the plant or installation and is moving goods solely for use in the facility's own industrial processes.
Pipeline and Hazardous Materials Safety Administration (PHMSA)	Federal agency governing hazardous materials transportation. Part 173 and 174 describe requirements for loading / unloading and examination of tankcars before shipping.
Qualified Inspector	A Qualified Track Inspector is a person with a least 1-year experience in railroad track inspection; or a combination of experience in track inspection or from a college level education program related to track inspection. Knows and understands the requirements of such inspections and can prescribe appropriate remedial action to correct or compensate for deviations found.
Railcar Mover	A road-rail vehicle fitted with couplers to move small number or railcars. Brands include Shuttlewagon, Trackmobile.
Railcar Mover Operator	Qualified worker who operates and controls railcar movers and who may also act as the groundman for railcar mover operations.
Remote Control Locomotive (RCL)	A locomotive which through use of remote control transmitter (RCT) and remote control receiver (RCR) can be operated by a remote control operator (RCO) outside the confines of the locomotive cab.
Roadway Worker	Any employee of a railroad, or contractors whose duties include inspection, construction, maintenance or repair of railroad track or signal system.
Safety Appliances	Tank Car safety appliances include the following items: Sill step, handhold, grab iron, uncoupling rod, end safety rail, safety platform ladder, ladder supports, safety platform and platform handhold.
Safety Eyebolts	One of Two eyebolts located nearest the handle on a tank car hinged manway cover act as safety bolts in that they secure the cover in place while allowing pressure to be relieved in a safe manner. The cover must be slightly opened before the safety eyebolts may be disengaged so the cover may be pivoted open completely. If the manway is equipped with a Collar Type eyebolt, there will be only ONE safety eyebolt in the dome. If the safety eyebolts are Pin Style or Wedge Style, the manway will have TWO safety eyebolts.



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Spiking a Switch	Physically driving a spike into the tie so the switch cannot be moved. This action is taken when something is wrong with the switch or the track is out of service. A spiked switch will only operate in one direction due to the other track being out of service.
Standing Brake Test	Required test to determine the number of hand brakes needed for three or more cars. After you set two hand brakes, release locomotive brake and wait one minute. If the train rolls, set additional brakes and retest until the train does not roll during the one minute standing brake test.
Tank Car Innage	The depth of product in a tank car measured from the bottom of the tank up to the liquid level of the product.
Tank Car Outage	The unfilled portion of a tank car measured from the inside top of the tank shell down to the level of the product. For Sulfuric Acid Tank Cars the tank outage is 1% minimum.
Track Safety Standards	Describe the minimum safety requirements for railroad tracks. The requirements are listed on Part 213 of Code of Federal Regulations, Title 49.
Train Approach Warning (TAW)	A method of establishing on-track safety, where a watchman gives warning to roadway workers who foul any track of the approach of trains in ample time for them to move.