



FIELD GUIDE

EHSS-Phos Program – Railroads Program

NOTE: This Field Guide has been prepared for the exclusive use and benefit of Phosphate BU personnel of Mosaic Fertilizer, LLC. It is intended to provide a generic, non-exhaustive overview of the Phosphates BU "Railroads" Program. It is not a substitute for any provision of the Program or the underlying regulations; the user should consult the Program and the current regulations to ensure compliance.

EHSS-Phos Program Railroad describes the requirements to protect employees, property and equipment from hazards of railroad operations, hazmat railcar loading and unloading; inspection and maintenance of industrial tracks within Mosaic fertilizer

- **INSPECTION AND MAINTENANCE.** Mosaic Industrial Tracks are not part of the general railroad system, but FRA expects our plant railroad system to be inspected and maintained regularly to meet at minimum Class 1 Track and Rail Standards. The maximum allowable operating speed for freight trains in excepted and Class 1 Track is 10 miles per hour.
- Locomotives and Railcar Movers (Track Mobiles) shall be inspected for items affecting safety prior to placing equipment into operation using the checklists on Appendix C and D respectively.
- All cars brought into Mosaic property will be visually inspected for defects. Cars with defects shall be tagged Bad Order and placed on appropriate track for handling and repair.

- **OPERATIONS**
- Operation of the Mosaic's plant railroad includes movement of all cars from receiving point and within industrial tracks overseeing safe car handling such as switching, weighing, spotting and processing railcar for loading when required.
- Personnel switching railcars shall ensure switches align correctly and the railcars are properly coupled before a train is moved.
- Before coupling to or moving cars or engines, the cars will be properly secured. Coupling shall be made at a speed no more than 2 mph.
- Secured parked railcars to control car movement. Set sufficient handbrakes to prevent cars from rolling away.
- Riding rail equipment is extremely dangerous, only rail crew workers with approval from Site Management may ride while cars are being moved. When riding equipment, maintain a three-point of contact with equipment at all times. Riders shall only mount or dismount equipment in the stopped position, except in an emergency situation.
- Work on top of railcars must be done on areas where a fall protection trolley system is available. Work on top of cars on areas where fall protection systems are not available such as in train yards, requires a fall restraint system (harness and retractable lifeline or lanyard).
- Communications with radios and/or hand signals must be established before pushing cars. Horn and bell signals shall be sounded prior to going over road crossings.
- Hazmat Railcar Loading and Unloading. Operators involved in loading and unloading tankcars carrying Sulfuric Acid or Molten Sulfur must be trained in and know the safety requirements for the operations being performed. Operators must be familiar with the tankcars being used and must know the importance of inspecting loaded or empty hazmat tankcars before offering them for transportation to ensure they are placarded, there are no signs of leakage or damage and the overall condition of the railcar is acceptable for transportation.
- Rail Lockout Procedures. Secure the tracks when maintenance, inspection, railcar loading/unloading, and cleaning are being performed. Follow Railroad Lockout procedures listed in Appendix F.

- **PERSONAL PROTECTIVE EQUIPMENT.** Refer to the PPE Program for list personal protective equipment required. Flag Persons (Switchmen) and Loco Engineers and other employees who frequently work with uneven walking and working surfaces are advised to select lace-up footwear (6" or higher with 1" heels)

This Field Guide provides only the most basic information about Railroads Program. Our **Phosphate BU Railroads** Program provides much more detail on this topic. Here is the link to the BU Program:

<https://doculink.mosaicco.com/livellink/livellink.exe?func=ll&objId=8061084&objAction=browse&viewType=1>

If you need help accessing the BU Program, please contact your supervisor or a member of the EHS Department.

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