



2010 MSHA Workshop

Goals:

Promote Communication

Foster Cooperation

Provide Direction and Support



Rules To Live BY

**** *Changing Behaviors***

**** *Creating Safety Cultures***



§ 56.9101 Operating speeds and control of equipment

Type of condition(s) leading to fatalities:

- ✓ Equipment operator not maintaining control of equipment while in motion.
- ✓ Operating speeds not consistent with the conditions.



§ 56.12017 Work on power circuits

Type of condition(s) leading to fatalities:

- ✓ Power circuits not de-energized before working on circuits.

Switches not locked out or other measures taken to prevent power circuits from being energized without knowledge of individuals working on them.

§ 56.14101(a) Brake performance

Type of condition(s) leading to fatalities:

- ✓ Service brakes not capable of stopping and holding equipment with its typical load on maximum grade it travels.
- ✓ Parking brakes not capable of holding equipment with its typical load on maximum grade it travels.
- ✓ A brake system component not maintained in a functional condition.



§ 56.14105 Procedures during repairs or maintenance

Type of condition(s) leading to fatalities:

- ✓ Machinery or equipment not blocked against motion during repairs or maintenance.
- ✓ Equipment not effectively de-energized.
Persons not protected against hazardous motion during testing or adjustments.



§ 56.14130(g) Seat belts shall be worn by equipment operators

- **Type of condition(s) leading to fatalities:** •
- Failure to wear seatbelts while operating mobile equipment.



§ 56.14131(a) Seat belts shall be provided and worn in haul trucks

Type of condition(s) leading to fatalities:

- ❑ Seatbelts not worn when operating or riding in haul truck.



§ 56.14205 Machinery, equipment, and tools used beyond design

Type of condition(s) leading to fatalities:

- ✓ Using machinery, equipment, or tools beyond design capacity intended by manufacturer.



§ 56.14207 Parking procedures for unattended equipment

Type of condition(s) leading to fatalities:

- ✓ Mobile equipment left unattended and controls not placed in park position.
Provided parking brake not set.
- ✓ Mobile equipment parked on grade and wheels/ tracks not chocked or turned into a bank.

§ 56.15005 Safety belts and lines

Type of condition(s) leading to fatalities:

- ☹ Persons not wearing fall protection when exposed to fall hazard.

3 § 56.16002(c) Bins, hoppers, silos, tanks, and surge piles

➤ **Type of condition(s) leading to fatalities:**

Persons entering bins, tanks, hoppers or surge piles not wearing fall protection where there is fall hazard.

➤ A second person not provided to tend lifeline.

Persons entering bins and hoppers when flow of materials has not ceased and/or supply and discharge equipment not locked out.

➤ Safe access in and around working areas not provided.



§ 56.16009 Persons shall stay clear of suspended loads

Type of condition(s) leading to fatalities:

- ❖ Persons failing to stay clear of suspended loads.



§ 56.20011 Barricades and warning signs

Type of condition(s) leading to fatalities:

Barricades or warning signs not posted at all approaches where health or safety hazards exist that are not immediately obvious.



§ 57.3360 Ground support use

Type of condition(s) leading to fatalities:

Necessary ground support not designed, installed, and maintained in areas where persons work or travel.



**QUESTIONS on
RULES TO LIVE BY
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