

MOST FREQUENT VIOALTIONS

U.S. Department of Labor

MSHA

Mine Safety & Health Administration



LEARNING OBJECTIVES

1. **Gain understanding of MSHA's Most Cited Violations**
2. **Apply knowledge to recognize workplace hazardous conditions**



ACTIVITY

- Rank your guess of the top 3 MSHA's most frequently cited violations.



56.2000 I INTOXICATING BEVERAGES AND NARCOTICS

15
Violations

- Intoxicating beverages and narcotics shall not be permitted or used in or around mines.
- Persons under the influence of alcohol or narcotics shall not be permitted on the job.



Compliance Guidance:

- **Coolers in POV**
- **Narcotics**



10

56.14207
PARKING PROCEDURES FOR
UNATTENDED EQUIPMENT

694
Violations

- Mobile equipment shall not be left unattended unless the controls are placed in the park position and the parking brake, if provided, is set. When parked on a grade, the wheels or tracks of mobile equipment shall be either chocked or turned into a bank

Compliance Guidance:

- Chocks Must Be Proper Size for Equipment
- Tracked Equipment (Chock/Ditch/Bank)
- Chock (1/4 of the height of the tire)
- Inspection – (Neutral to a roll)



9

56.14112(B) CONSTRUCTION AND MAINTENANCE OF GUARDS.

1193
Violations

- a) Guards shall be constructed and maintained to
 - (1) Withstand the vibration, shock, and wearand
 - (2) Not create a hazard by their use.
- (b) Guards shall be securely in place except when testing or making adjustments which cannot be performed without removal of the guard.



Compliance Guidance:

- Framed – Sharp edges – Held (cotter pins, bolts, etc...)

8

56.12028

TESTING GROUNDING SYSTEMS.

1168
Violations

- Continuity and resistance of grounding systems shall be tested *immediately after installation, repair, and modification; and annually thereafter.*
- A record of the resistance measured during the most recent tests shall be made available....

Compliance Guidance:

- All electrical must be identified (Ext. Cords, Microwaves, Fridges, Outlets)
- Intent - to ensure tests on a specific schedule to prevent elec. exposure.



7

56.11001
SAFE ACCESS

1233
Violations

- Safe means of access shall be provided and maintained to all working places

Compliance Guidance:

- Includes access to any locations (Ex. ????)
- Access must be maintained in good condition





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56.12032 INSPECTION AND COVER PLATES.

1402
Violations

- Inspection and cover plates on electrical equipment and junction boxes shall be kept in place at all times except during testing or repairs.

- Compliance Guidance:**
- Cover plates (All Screws must be in place)
 - Knock outs most common violation.





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56.14132(A)
HORNS AND BACK-UP ALARMS.

1543
Violations

(a) warning devices..... shall be maintained in functional condition.

- Compliance Guidance:**
- Wheeled, Skid-Mounted, Tracked Equipment
 - If equipped – must function.



4

50.30(A) QUARTERLY REPORTS

2101
Violations

- Preparation and submission of MSHA Form 7000–2 Quarterly Employment and Production Report.
- Submit the original to within 15 days after the end of each calendar quarter.

- Compliance Guidance:
- Late Submissions – Most Common Violations
- Online Submission
- Amended or Late Reports – Mailed or Faxed

Quarterly Mine Employment and Production Report

Step 1: Specify Mine/Contractor > Step 2: Enter Sub-Unit Data

Step 2: Enter Sub-Unit Data

[Click here to view a previous quarter](#)

(1) Operation Sub Unit Code(s) previously reported	Code	(2) Average number of persons working during quarter	(3) Total employee hours worked during the quarter	(4) Production of clean coal during quarter (in short tons)
Underground				
Underground	01	<input type="text"/>	<input type="text"/>	<input type="text"/>
Surface Shops, Yards, etc.	02	<input type="text"/>	<input type="text"/>	
Surface Mine (Including associated shops and yards)				
Strip, Open Pit, or Quarry	03			
Auger (Coal Mine Only)	04			
Culm Bank or Refuse Pile (Coal Mine Only)	05			
Dredge	06			
Other Surface Mining (Metal/Nonmetal Only)	12			
Facilities				
Independent Shops or Yards	17			
Mill Operations, Preparation Plant, or Breakers (include associated shops and yards)	30	<input type="text"/>	<input type="text"/>	
Office (professional and clerical employees at the mine or plant working in the office)	99	<input type="text"/>	<input type="text"/>	



3

56.12004 ELECTRICAL CONDUCTORS

- Electrical conductors exposed to mechanical damage shall be protected.



2526
Violations

- Compliance Guidance:**
- Broad Standard – All exposed electrical.
 - Outer Jackets, Broken Ground Prongs, Damaged Wires



2

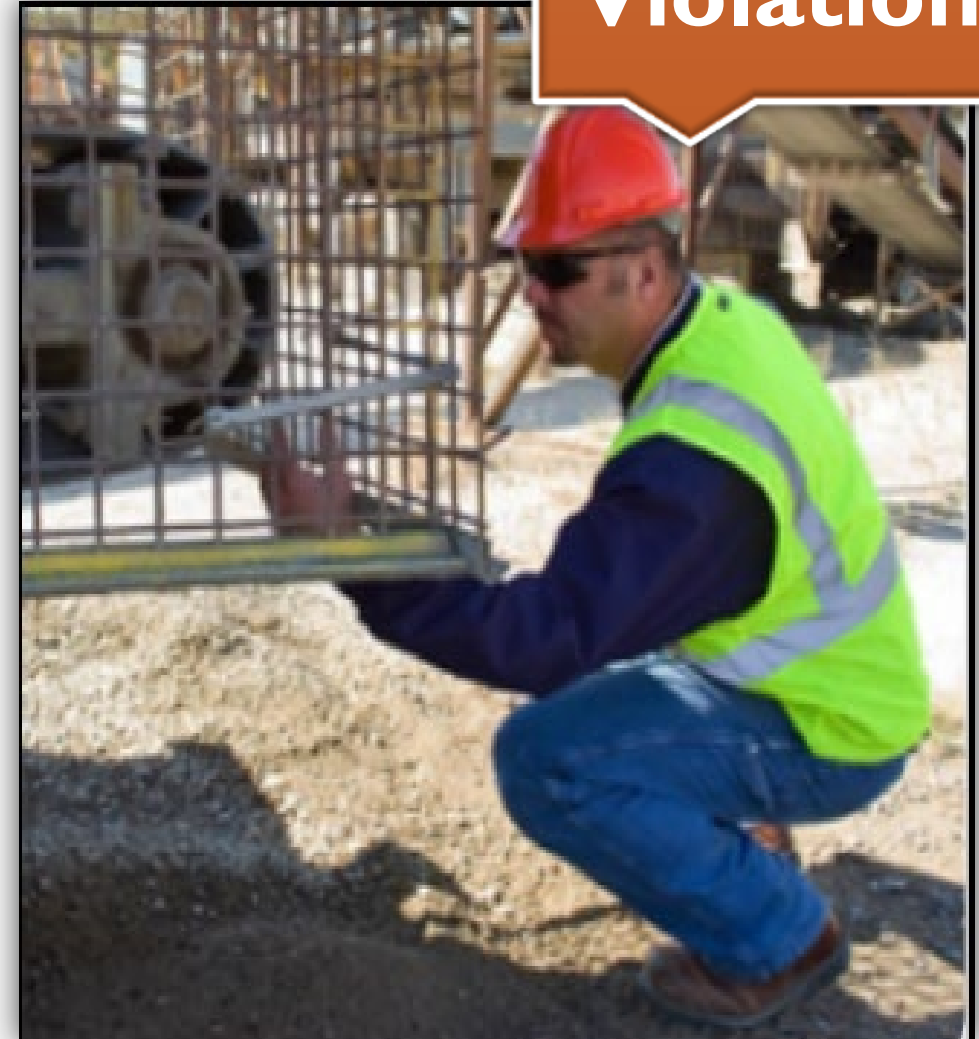
56.14107(A) MOVING MACHINE PARTS

2642
Violations

- (a) Moving machine parts shall be guarded to protect persons frommoving parts that can cause injury.
- (b) Guards shall ***not be required where the exposed moving parts are at least seven feet away*** from walking or working surfaces.

Compliance Guidance:

- Keep out sings/Chains – Insufficient.
- 7' Rule is a min. standard. (Taller EE's = Higher Guard Height)
- Stockpiles must be less than 7' from hazard.



1

56.14100(B) SAFETY DEFECTS; EXAMINATION, CORRECTION AND RECORDS.

3539
Violations

- (a) *Self-propelled [mobile equipment](#)* to be used during a shift shall be inspected by the equipment operator before being placed in operation on that shift.
- (b) *Defects on any equipment, machinery, and tools* that affect safety shall be corrected in a timely manner to prevent the creation of a hazard to persons.

Compliance Guidance:

- Applies to all off road and on-road self-propelled equip. (Heavy Equipment, Trucks, etc.,)
- Violations should be fixed immediately. (By next day)



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56.14100(B)
**SAFETY DEFECTS; EXAMINATION,
CORRECTION AND RECORDS.**

3539
Violations

- **(c)** ...defective items ... *shall be taken out of service and placed in a designated area posted for that purpose, or a tag or other effective method of marking the defective items....*
- **(d)** *Defects on self-propelled **mobile equipment** affecting safety, which are not corrected immediately, shall be reported to and recorded by the mine operator..*

Compliance Guidance:



MSHA REGIONAL EMPHASIS

• HEAVY EQUIPMENT

- Pre-Shift Inspections – No. 1 Most frequently cited.
- Lights, Break Lights, Windshield Wipers (Front & Rear), Horns, Back-Up Alarm

• TRUCKS (OTR)

- On Top of Trailer (Immanent Danger)
- Height Requirements > 4ft (Tie-Off) if hazardous (Jagged Rocks)
- Traffic Patterns & Site Specific Signage (Must be able to see in comparison MPH)

• ADMINISTRATIVE

- Task Training, Annual Refresher & New Miner Documentation
- Training Plan (Do not limit Training Length – Ex. 15 min. to as needed)
- Traffic Patterns & Signage (MPH)

