

Mobile Equipment Safety Program

Company: _____

Mine: _____

MSHA ID: _____

Purpose and Scope:

The purpose of this program is to eliminate or reduce accidents, injuries, and illnesses to miners involving the use of mobile equipment at our operation. This program applies to all operational activities and persons responsible for operation, use, maintenance, routine, and non-routine repairs, and/or handling of any powered mobile equipment used, owned, or operated on this mine site. Independent contractors working on this site, including portable crushers, will comply with this program or submit their own equivalent program subject to review and approval by management at this mine. Visitors, vendors, and third-party consultants on mine property will comply with this program as well as all other applicable local federal and state regulations to include company specific policies and procedures. Additionally, persons coming on to this mine site to include visitors' vendors contractors, third party consultants that may fall under the scope of this program either operating surface powered mobile equipment or performing routine or non-routine maintenance and or consultation services on equipment are covered under this program.

Definitions:

- ❖ Responsible person means a person with authority and responsibility to evaluate and update a written safety program for surface mobile equipment.
- ❖ Surface mobile equipment means wheeled, skid-mounted, track-mounted, or rail-mounted equipment capable of moving or being moved, and any powered equipment that transports people, equipment, or materials, excluding belt conveyors, at surface areas of underground metal and nonmetal mines.

Program Requirements for Equipment Categories

- 1) Wheeled mobile equipment (self-propelled/self-powered) includes trucks (haul, flatbed, fuel, service, bulk tanker, water, tractor-trailers, etc.), front end loaders, skid-steer loaders, cranes, and aerial lifts.

Hazard Identification and Risk Reduction Measures	Safe Procedures and Schedules for Routine Maintenance and Non-Routine Repairs	Identification of Available and Emerging Feasible Technologies	Hazard Identification and Avoidance Training
<p>Identify Hazards related to the operation of Wheeled mobile equipment-</p> <p>1, Maintenance of haul roads, dump sites, ramps and berms.</p> <p>2, Communications and visibility. Seatbelt use.</p> <p>3, Development of traffic controls including signage and traffic patterns that reduce interaction between light mobile equipment and large haulage equipment.</p> <p>4, Review of procedures to reduce interaction between large mobile equipment and vendor, visitors and contractors on the mine property</p> <p>5, Perform pre-shift inspections (56/57.14100 (a)) Workplace Examinations (56/57.18002)</p>	<p>Procedures for maintenance and repair of mobile equipment-</p> <p>1, Follow manufacturers recommended maintenance and repair guidelines and schedules.</p> <p>2, Blocking equipment components from movement during maintenance and repairs.</p> <p>3, Tagging out equipment during maintenance and repair activities.</p> <p>4, Perform hazard assessment for repairs made in the field. a) examination of ground conditions. b) Prohibit work between highwalls and mobile equipment.</p> <p>5, Environmental(weather)</p> <p>6, Inspect rigging gear (slings, chains, shackles, etc.).</p>	<p>Research available feasible technologies.</p> <p>Resources:</p> <p>1,MSHA Homepage, www.msha.gov</p> <p>2,NIOSH Homepage www.niosh.gov</p> <p>3,Equipment manufactures and vendor materials (online and verbal).</p>	<p>The training for Hazard Identification and Avoidance: (Including Haz-com)</p> <p>Training for miners and others in compliance with the Part 46 or Part 48-B Training Plans. The Plan contains safety rules and procedures that miners, visitors, and others must follow to identify, and address hazards related to wheeled surface mobile equipment.</p>

2) Rail-mounted equipment includes locomotives, railcars, railcar movers, and powered cranes including overhead, gantry, operator-carrying, and pendant-controlled.

Hazard Identification and Risk Reduction Measures	Safe Procedures and Schedules for Routine Maintenance and Non-Routine Repairs	Identification of Available and Emerging Feasible Technologies	Hazard Identification and Avoidance Training
<p>Identify Hazards related to the operation of Rail-mounted mobile equipment-</p> <p>1, Maintenance of tracks, switches, crossing, load-out and receiving facilities.</p> <p>2, Communications and visibility. Seatbelt use.</p> <p>3. Development of traffic controls including signage and traffic patterns that reduce interaction between rail-mounted equipment and wheeled mobile equipment.</p> <p>4, Review of procedures to reduce interaction between rail-mounted equipment and vendor, visitors and contractors on the mine property</p> <p>5, Perform pre-shift inspections (56/57.14100 (a)) Workplace Examinations (56/57.18002)</p>	<p>1, Follow manufacturers recommended maintenance and repair guidelines and schedules.</p> <p>2, Blocking equipment components from movement during maintenance and repairs.</p> <p>3, Tagging out equipment during maintenance and repair activities.</p> <p>4, Perform hazard assessment for repairs made in the field. a) examination of ground conditions. b) Prohibit work between highwalls and mobile equipment.</p> <p>5, Environmental (weather)</p> <p>6, Inspect rigging gear (slings, chains, shackles, etc.).</p>	<p>Research available feasible technologies.</p> <p>Resources:</p> <p>1,MSHA Homepage, www.msha.gov</p> <p>2,NIOSH Homepage www.niosh.gov</p> <p>3,Equipment manufactures and vendor materials (online and verbal).</p>	<p>The training for Hazard Identification and Avoidance: (Including Haz-com)</p> <p>Training for miners and others in compliance with the Part 46 or Part 48-B Training Plans. The Plan contains safety rules and procedures that miners, visitors, and others must follow to identify, and address hazards related to rail-mounted surface mobile equipment.</p>

3) Track-mounted equipment includes bulldozers, excavators, drills, track, and multi-terrain and skid-steer loaders.

Hazard Identification and Risk Reduction Measures	Safe Procedures and Schedules for Routine Maintenance and Non-Routine Repairs	Identification of Available and Emerging Feasible Technologies	Hazard Identification and Avoidance Training
<p>Identify Hazards related to the operation of Track-Mounted mobile equipment-</p> <ol style="list-style-type: none"> 1, Maintenance of haul roads, dump sites, ramps and berms. 2, Communications and visibility. Seatbelt use. 3. Development of traffic controls including signage and traffic patterns that reduce interaction between light mobile equipment and large haulage equipment. 4, Review of procedures to reduce interaction between large mobile equipment and vendor, visitors and contractors on the mine property 5, Perform pre-shift inspections (56/57.14100 (a)) Workplace Examinations (56/57.18002) 	<p>Procedures for maintenance and repair of mobile equipment-</p> <ol style="list-style-type: none"> 1, Follow manufacturers recommended maintenance and repair guidelines and schedules. 2, Blocking equipment components from movement during maintenance and repairs. 3, Tagging out equipment during maintenance and repair activities. 4, Perform hazard assessment for repairs made in the field. <ol style="list-style-type: none"> a) examination of ground conditions. b) Prohibit work between highwalls and mobile equipment. 5, Environmental (weather) 6, Inspect rigging gear (slings, chains, shackles, etc.). 	<p>Research available feasible technologies.</p> <p>Resources:</p> <ol style="list-style-type: none"> 1,MSHA Homepage, www.msha.gov 2,NIOSH Homepage www.niosh.gov 3,Equipment manufactures and vendor materials (online and verbal). 	<p>The training for Hazard Identification and Avoidance-</p> <p>Training for miners and others in compliance with the Part 46 or Part 48-B Training Plans. The Plan contains safety rules and procedures that miners, visitors, and others must follow to identify, and address hazards related to track-mounted mobile equipment.</p>

4) Skid-mounted equipment includes portable equipment that can be moved about the mine or mill. Skid-mounts may be frames, plates, rails, or pallets used to facilitate easy transportation or storage of mining or industrial equipment.

Hazard Identification and Risk Reduction Measures	Safe Procedures and Schedules for Routine Maintenance and Non-Routine Repairs	Identification of Available and Emerging Feasible Technologies	Hazard Identification and Avoidance Training
<p>Identify Hazards related to Skid-Mounted equipment, Stacking Conveyors and movable equipment-</p> <p>1, Maintenance of haul roads, ramps and berms on which equipment will be transported.</p> <p>2, Communications and visibility. Seatbelt use.</p> <p>3. Development and review procedures for safely moving equipment. Including proper rigging and transport considerations</p> <p>4, Review of procedures to reduce exposure to vendors, visitors and contractors on the mine property</p> <p>5, Perform pre-shift inspections (56/57.14100 (a)) Workplace Examinations (56/57.18002)</p>	<p>Procedures for maintenance and repair of skid-mounted equipment-</p> <p>1, Follow manufacturers recommended maintenance and repair guidelines and schedules.</p> <p>2, Blocking equipment components from movement during maintenance and repairs.</p> <p>3, Inspect rigging gear (slings, chains, shackles, etc.).</p> <p>4, Tagging out equipment during maintenance and repair activities.</p> <p>5, Perform hazard assessment for repairs made in the field.</p> <p> a) examination of ground conditions.</p> <p> b) Prohibit work between highwalls and equipment.</p> <p>6, Environmental (weather)</p>	<p>Research available feasible technologies.</p> <p>Resources:</p> <p>1, MSHA Homepage, www.msha.gov</p> <p>2, NIOSH Homepage www.niosh.gov</p> <p>3, Equipment manufactures and vendor materials (online and verbal).</p>	<p>The training for Hazard Identification and Avoidance:</p> <p>Training for miners and others in compliance with the Part 46 or Part 48-B Training Plans. The Plan contains safety rules and procedures that miners, visitors, and others must follow to identify, and address hazards related to skid-mounted mobile equipment.</p>

Process for Soliciting Input from Miners and Their Representatives

Miners and their Representatives will be given the opportunity to provide input and suggestions related to the Surface Mobile Equipment Safety Program both verbally and in writing. The process will be provided during the initial development of the program and during the annual program evaluation or when changes in equipment or mining conditions.

Process for making the written safety program available for inspection by miners and their representatives. A no-cost copy will be provided upon request.

The Safety program will be available on the mine property and will be provided upon requested by MSHA enforcement personnel and to the Miners and Miners Representative at no cost.

Responsible Person Information (Annual Review)

Print Name	Signature	Date

Other Responsible Person Reviews/Updates (When Applicable)

Types of Reviews/Updates	Print Name	Signature	Date
Changes in Conditions/Practices Adversely Affecting Health & Safety			
Occurrence of Accidents/Injuries			
Surface Mobile Equipment Changes/Modifications			