

Safety Program for Surface Mobile Equipment

Prepared by the Portland Cement Association

A. Purpose and scope

(Name of cement plant) is committed to promoting and supporting a positive safety culture for all miners at and visitors to the facility. The purpose of this written safety program for surface mobile equipment (the Program) is to reduce the number and rates of accidents, injuries, and fatalities.

B. (Name of plant) has designated (name of responsible person and title) as having the authority and responsibility to evaluate and update the Program, beginning no later than July 17, 2024.

C. The Program applies to all wheeled, track-mounted, skid-mounted, and rail-mounted equipment that is capable is moving or being moved, and any powered equipment that transports people, equipment, or materials.

D. (Name of plant) lists the following equipment and preventive actions to reduce accidents, injuries, and fatalities that can occur to mobile machinery.

- a. **Rubber-tired heavy machinery (haul trucks, excavators such as end loaders, forklift trucks, road graders, water trucks, vacuum trucks). Basic safety key points include engaging parking brakes and wheel chocks when parked, front wheels turned toward berm when parked on grade, pre-operational examinations, wear seat belts, practice good housekeeping (clean operator compartment), appropriate PPE, and provide fire protection, 3-points of contact when mounting and dismounting when appropriate.**

Primary hazards and risks	Risk reduction measures	Procedures and schedules for routine maintenance	Evaluation of feasible technologies	Training for miners and other persons
Visibility issues, vehicle size and weight, backup hazards, pedestrian and worker safety, terrain and environmental factors, maintenance and inspection risks,	Mirrors and cameras (if feasible), spotters, backup alarms, establish designated walkways, using signage, site assessments and	Follow regular maintenance schedules, conduct inspections, and adhere to manufacturer guidelines.	Consult manufacturer guidelines and websites such as Construction Equipment Guide, Equipment World, Heavy Equipment Forum, Association of Equipment	<u>(Name of plant)</u> will train miners and others in compliance with the Part 46 Training Plan (the Plan). The Plan contains safety rules and procedures that

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electrical and hydraulic hazards, weather conditions, operator training and competency	proper planning before work is done, train operators to adjust driving depending on weather conditions, task training, follow speed limit and other roadway signs.	Adherence to manufacturer guidelines is critical.	Manufacturers, and Forklift Action.	miners, visitors, and others must follow to identify, and address hazards related to wheeled surface mobile equipment.
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b. Track-mounted equipment (dozers and track-mounted excavators). Basic safety key points include engaging parking brakes, preoperational examinations, wearing seat belt and other appropriate PPE, fire protection, 3-points of contact when mounting and dismounting.

Primary hazards and risks	Risk reduction measures	Procedures and schedules for routine maintenance	Evaluation of feasible technologies	Training for miners and other persons
Tip-over risk, engulfment, pinch and crush points, operator visibility, entanglement hazards, maintenance and repair risks, electrical hazards, fuel and fluid hazards, weather conditions, engulfment hazards, operator training and competency,	Caution on sloped and rough surfaces, awareness of potential voids on stockpiles in extreme cold, use of spotters if appropriate, no loose clothing around moving parts, lock/tag/try procedures before maintenance work, proper storage and handling management of hazardous substances, maintain safe clearance when operating on bench or under highwall.	Follow regular maintenance schedules, conduct inspections, and adhere to manufacturer guidelines. Adherence to manufacturer guidelines is critical.	Consult manufacturer guidelines and websites such as Construction Equipment Guide, Equipment World, Heavy Equipment Forum, Association of Equipment Manufacturers.	<u>(Name of plant)</u> will train miners and others in compliance with the Part 46 Training Plan (the Plan). The Plan contains safety rules and procedures that miners, visitors, and others must follow to identify, and address hazards related to track-mounted surface mobile equipment.

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c. Rail machinery and equipment (locomotives, track mobiles and railcars). Basic safety key points include pre-operational examinations, fire protection and PPE.

Primary hazards and risks	Risk reduction measures	Procedures and schedules for routine maintenance	Evaluation of feasible technologies	Training for miners and other persons
<p>Collision risks, derailment hazards, electrical hazards, crushing and pinch points, loading and unloading risks, hazardous materials handling, visibility, weather conditions, inspection risks, operator training and competency, clearance and track conditions, speed limits, rail crossings and traffic signals.</p>	<p>Use remotely operated equipment where appropriate, 2-way communication between machinery and ground operators, stop blocks at end of rail lines on mine property, regular track inspections to detect rail defects, high visibility caution tape for work zones, maintaining safe position away from pinch points when engaging and disengaging couplers, properly positioned mirrors and cameras on locomotives, maintaining safe track clearance when walking,</p>	<p>Follow regular maintenance schedules, conduct inspections, and adhere to manufacturer guidelines. Adherence to manufacturer guidelines is critical.</p>	<p>Consult manufacturer guidelines and websites such as Association of American Railroads, Federal Railroad Administration, Progressive Railroading and Railway Technology.</p>	<p>(Name of plant) will train miners and others in compliance with the Part 46 Training Plan (the Plan). The Plan contains safety rules and procedures that miners, visitors, and others must follow to identify, and address hazards related to mobile equipment operating on rail lines located on mine property.</p>

d. Small rubber-tired vehicles (utility trucks, pickup trucks, golf carts, gators, 4-wheel all-terrain vehicles). Basic safety key points include engaging parking brakes and wheel chocks when parked, front wheels turned toward berm when parked on grade, pre-operational examinations, wear seat

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belts, practice good housekeeping (clean operator compartment), appropriate PPE, and provide fire protection.

Primary hazards and risks	Risk reduction measures	Procedures and schedules for routine maintenance	Evaluation of feasible technologies	Training for miners and other persons
<p>Vehicle collisions, pedestrian struck-by accidents, backing up hazards, visibility hazards, overloading and unsecured loads, uneven terrain, reckless driving, intersection risks, inadequate driver training, weather-related issues, mechanical failures, alcohol and substance abuse, and communication issues.</p>	<p>Proper traffic management that uses signage and communication protocols, establish designated walkways using barriers, use of backup alarms, mirrors, spotters and cameras if appropriate, observe vehicle load capacity restrictions and secure all loads, enforce strict rules and implement consequences for failure to follow traffic signs, incorporate right-of-way rules at intersections, conduct regular test for substance abuse, use 2-way communication where appropriate.</p>	<p>Follow regular maintenance schedules, conduct inspections, and adhere to manufacturer guidelines. Adherence to manufacturer guidelines is critical.</p>	<p>Consult manufacturer guidelines and consult websites such as National Highway Traffic Safety Administration-Pickup Truck Safety, Institute for Highway Safety-Trucks, ATV Safety Institute, Occupational Safety and Health Administration-Golf Cart Safety, Golf Cart Advisor-Safety.</p>	<p>(Name of plant) will train miners and others in compliance with the Part 46 Training Plan (the Plan). The Plan contains safety rules and procedures that miners, visitors, and others must follow to identify hazards and risks associate with small personnel and material carrier vehicles.</p>

- e. **Lift machines (aerial lifts, cherry pickers, scissor lifts and mobile cranes). Basic safety key points include engaging parking brakes and wheel chocks when parked, pre-operational examinations,**

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wear seat belts, practice good housekeeping (clean operator compartment), appropriate PPE, and provide fire protection.

Primary hazards and risks	Risk reduction measures	Procedures and schedules for routine maintenance	Evaluation of feasible technologies	Training for miners and other persons
<p>Fall from heights, tip-over hazards, entrapment and crush hazards, electrocution risks, overloading, mechanical failures, collisions and striking hazards, weather-related risks, inadequate training, communication issues, stability and ground control.</p>	<p>Wear fall protection at all times, secure guardrails on platforms, do not overload platform above the maximum weight for equipment, stabilize wheels with chocks and engage parking brake, operate on even terrain if possible, look for overhead powerlines in vicinity of lift machine, 2-way communication and signals between machinery and ground operators, assess weather and cease operation if indicated, enforce the use of fall protection and implement consequences if indicated, use stabilizers and outriggers if necessary.</p>	<p>Follow regular maintenance schedules, conduct inspections, and adhere to manufacturer guidelines. Adherence to manufacturer guidelines is critical.</p>	<p>Consult manufacturer guidelines and consult websites such as Crane Network, Occupational Safety and Health Administration-Cranes and Derricks, American National Standards Institute, Crane Institute of America, Occupational Safety and Health Administration-Aerial Lifts, International Powered Access Federation.</p>	<p><u>(Name of plant)</u> will train miners and others in compliance with the Part 46 Training Plan (the Plan). The Plan contains safety rules and procedures that miners, visitors, and others must follow to identify hazards and risks associated with lift machines.</p>

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E. (Name of responsible person) will evaluate and update the Program at least annually, or as mining conditions or practices change that may adversely impact the health and safety of miners or other persons, as accidents or injuries occur, or as surface mobile equipment changes or modifications are made.

F. (Name of plant) solicited input from the following miners and/or their representatives in developing and updating the Program.

- a. (Typed name here) Signature _____
- b. (Typed name here) Signature _____
- c. (Typed name here) Signature _____

G. The Program is available for inspection by authorized representatives of the Secretary of Labor and miners and their representatives, who may receive a copy of the Program at no cost to them.

(Name of responsible person)

(Date of Program update)