

SAFETY AND HEALTH AUDIT FOR AGGREGATE OPERATORS SURFACE METAL/NONMETAL

DIRECTIONS FOR USING THE SELF AUDIT

This safety audit consists of descriptions of safety and health standards for aggregate operations. The first column consists of the description of the regulation with questions (second column) that correspond to that regulation. In some cases only one question may be necessary, in others several questions may be necessary for the description.

Responses should fall into three categories, (YES) (NO) and (N/A). If you answer (YES) generally no further action is necessary.

A (NO) response generally will require further action and an explanation of the defective condition/location/practice. If you answer (NO) to any question, further action will be necessary and you should complete the column (Corrective Action) and indicate action taken or flag this area for corrective action. In order to make this audit a positive vehicle for improving safety at your mining operation, any (NO) answer should include a corrective date entry (the last column on the audit).

Check (N/A) if the description is not applicable to your operation.

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DESCRIPTION		Y E S	N O	N / A	CORRECTIVE ACTION NEEDED	STANDARD	DATE RESOLVED
HAZARD COMMUNICATION (HAZCOM)							
Requirement for container labels	The operator must ensure that each container of a hazardous chemical has a label. If a container is tagged or marked with the appropriate information, it is labeled.					47.41(a)	
REPORTING OF ACCIDENTS, INJURIES, AND ILLNESSES							
Preparation and Submission of MSHA Report Form 7000-1	Is Form 7000-1 (Mine Accident, Injury, and Illness Report) completed and submitted to MSHA within ten working days after an accident or occupational injury occurs or an occupational illness is diagnosed?					50.20	
QUARTERLY EMPLOYMENT AND COAL PRODUCTION REPORT							
Preparation and Submission of MSHA Form 7000-2	Is Form 7000-2 (Quarterly Employment and Coal Production Report) completed and submitted to the Office of Injury and Employment Information in Denver, Colorado within 15 days after the end of each quarter?					50.30(a)	
PROCEDURES							
Notification of Commencement of Operations and Closing of Mines	Is MSHA and Metal/Nonmetal Mine Safety and Health District office notified before starting operations?					56.1000	
	Is MSHA and Metal/Nonmetal Mine Safety and Health District office notified when a mine is closed?						

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DESCRIPTION		Y E S	N O	N / A	CORRECTIVE ACTION NEEDED	STANDARD	DATE RESOLVED
PROHIBITIONS/PRECAUTIONS/HOUSEKEEPING							
Warning Signs	Are readily visible signs prohibiting smoking and open flames posted where a fire or explosion hazard exists?					56.4101	
SAFETY DEVICES, PROVISIONS, AND PROCEDURES FOR ROADWAYS, RAILROADS, LOADING, AND DUMPING SITES							
Berms or Guardrails	Are adequate berms or guardrails provided and maintained on the outer banks of elevated roadways?					56.9300(a)	
TRAVELWAYS							
Safe Access	Is safe means of access provided and maintained to all working places (includes access to service equipment)?					56.11001	
Protection for openings around travelways	Openings above, below, or near travelways through which persons or materials may fall shall be protected by railings, barriers, or covers. Where it is impractical to install such protective devices, adequate warning signals shall be installed.					56.11012	
Handrails and Toe Boards	Are substantially constructed handrails provided and maintained on crossovers, elevated walkways, elevated ramps, and stairways? Are toe boards provided where necessary?					56.11002	

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DESCRIPTION		Y E S	N O	N / A	CORRECTIVE ACTION NEEDED	STANDARD	DATE RESOLVED
ELECTRICITY							
Electrical Conductors	Are electrical conductors (power cables) protected from mechanical damage?					56.12004	
	Are the electrical conductors sufficient in size and current carrying capacity to prevent overheating or damage to the insulating cover?						
Insulation and Fittings for Power Wires and Cable Entrance	Are the power wires and cables adequately insulated where they pass into or out of electrical compartments?					56.12008	
	Are cables entering metal frames of motors, splice boxes, and electrical compartments, through proper fittings and bushings?						
Identification of power switches	Principal power switches shall be labeled to show which units they control, unless identification can be made readily by location					56.12018	
Circuit Enclosure Grounding	Are all metal enclosing or metal encased electrical circuits grounded or provided with equivalent protection?					56.12025	
Testing Grounding Systems	Are grounding systems tested immediately after installation, repair, or modification, and annually thereafter?					56.12028	
	Is a record of the most recent test available for inspection?						
Correction of Dangerous Conditions	Are potentially dangerous electrical conditions corrected before the equipment or wiring is energized?					56.12030	
Inspection and Cover Plates	Are inspection and cover plates on electrical equipment and junction boxes?					56.12032	
Guarding Around Lights	Are guards used where portable extension lights and other lights that by their location, present a shock or burn hazard?					56.12034	

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DESCRIPTION		Y E S	N O	N / A	CORRECTIVE ACTION NEEDED	STANDARD	REMARKS
MACHINERY AND EQUIPMENT							
Safety Defects, Examination, Correction, and Records	Are defects that affect safety corrected in a timely manner?					56.14100(b)	
Brakes	Is self propelled mobile equipment equipped with a service brake system capable of stopping and holding the equipment with its typical load on the maximum grade it travels? (Does not apply to rail equipment)					56.14101(a) (2)	
	Are parking brakes capable of holding self propelled mobile equipment with its typical load on the maximum grade?						
	Are all braking systems on self propelled mobile equipment installed and maintained in functional condition?						
Moving Machine Parts	Are adequate guards provided to protect persons from contacting gears, sprockets, chains, drive, head, tail, and take up pulleys, flywheels, couplings, shafts, fan blades, and similar moving parts that can cause injury?					56.14107 56.14107(a)	
Construction and Maintenance of Guards	Are guards securely in place when equipment is operating?					56.14112(a) (1) (2), and (b)	
	Are guards constructed to withstand vibration, shock, and wear to which they will be subjected to during normal operation?						
Horns and Backup Alarms	Are manually operated horns or other audible warning devices provided on self propelled mobile equipment?					56.14132 56.14132(a)	
	Does self propelled mobile equipment have automatic reverse activated signal alarm?						

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DESCRIPTION		Y E S	N O	N / A	CORRECTIVE ACTION NEEDED	STANDARD	DATE RESOLVED
COMPRESSED AIR AND BOILERS							
High Pressure Hose Connections	Are safety chains or other suitable locking devices used at connections to machines of high pressure hose lines of 3/4" inside diameter or larger where a connection failure would create a hazard?					56.13021	
PERSONAL PROTECTION							
Safety Belts and Lines	Do persons wear safety belts and lines where there is a danger of falling? Are approved safety belts and safety lines readily available? Does a second person tend a lifeline when bins, tank, or other dangerous areas are entered?					56.15005	
MATERIALS STORAGE AND HANDLING							
Securing Gas Cylinders	Are compressed and liquid gas cylinders secured in a safe manner?					56.16005	
Protection of Gas Cylinder Valves	Are valves on compressed gas cylinders protected by covers when being transported or stored? Are cylinders placed in a safe location when in use?					56.16006	
Examination of Working Places (Workplace Safety Record)	A record that such examinations were conducted shall be kept by the operator for a period of one year, and shall be made available for review by the Secretary or his authorized representative					56.18002(b)	
ILLUMINATION							
Illumination of surface working areas.	Is illumination sufficient to provide safe working conditions in and on all surface structures, paths, walkways, stairways, switch panels, loading and dumping sites, and work areas.					56.17001	

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DESCRIPTION		Y E S	N O	N / A	CORRECTIVE ACTION NEEDED	STANDARD	DATE RESOLVED
SAFETY PROGRAMS							
First Aid	Is an individual capable of providing first aid available on all shifts?					56.18010	
	Is first aid training made available to all interested miners?						
Housekeeping	Are workplaces, passageways, storerooms, and service rooms kept clean and orderly?					56.20003(a) 56.20003(b)	
	Are floors of every workplace maintained in a clean and dry condition?						
	Is every floor, working place, and passageway kept free from protruding nails, splinters, holes, or loose boards?						
FIREFIGHTING EQUIPMENT							
Inspection	Firefighting equipment shall be inspected according to the following schedules:					56.4201(a) (2)	
	At least once every twelve months, maintenance checks shall be made of mechanical parts, the amount and condition of extinguishing agent and expellant, and the condition of the hose, nozzle, and vessel to determine that the fire extinguishers will operate effectively.						
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DESCRIPTION		Y E S	N O	N / A	CORRECTIVE ACTION NEEDED	STANDARD	DATE RECORDED
AIR QUALITY AND PHYSICIAN AGENTS							
Exposure limits for airborne contaminants	Except as provided in paragraph (b) of this section, the exposure to airborne contaminants shall not exceed, on the basis of a time weighted average, the threshold limit values adopted by the American Conference of Governmental Industrial Hygienists, as set forth and explained in the 1973 edition of the Conference's publication, entitled "TLV's Threshold Limit Values for Chemical Substances in Workroom Air Adopted by ACGIH for 1973," pages 1 through 54, which are hereby incorporated by reference and made a part hereof. This publication may be obtained from the American Conference of Governmental industrial Hygienists by writing to the Secretary-Treasurer, P.O. Box 1937, Cincinnati, Ohio 45201, or may be examined in any Metal and Nonmetal Mine Safety and Health District Office of the Mine Safety and Health Administration. Excursions above the listed thresholds shall not be of a greater magnitude than is characterized as permissible by the Conference					56.5001(a)/ 56.5005	
OCCUPATIONAL NOISE EXPOSURE							
Action Level	If during any work shift a miner's noise exposure equals or exceeds the action level, is the miner enrolled in a hearing conservation program?					62.120	
Permissible Exposure Level	If during any work shift a miner's noise exposure exceeds the permissible exposure level, are all feasible engineering and administrative controls to reduce the noise exposure used?					62.130(a)	