

**CHAPTER 208. UNDERGROUND COAL MINE SAFETY****GENERAL PROVISIONS**

- Sec.  
208.1. Definitions.  
208.2. Scope.  
208.3. Access to material.

**SEALS**

- 208.11. Seals.  
208.12. Sampling and monitoring requirements.  
208.13. Construction and repair of seals.  
208.14. Training.  
208.15. Seals records.

**ESCAPEWAYS**

- 208.21. Escapeways.

**BELTS**

- 208.31. Approval of conveyor belts.  
208.32. Maintenance of belt conveyors and belt conveyor entries.

**EMERGENCIES**

- 208.41. Emergency evacuation.  
208.42. Emergency evacuation and firefighting program of instruction.  
208.43. Use of fire suppression equipment.  
208.44. Mine emergency evacuation training and drills.  
208.45. Escapeway maps.  
208.46. Refuge alternatives.  
208.47. Emergency response plan; refuge alternatives.  
208.48. Training and records for examination, maintenance and repair of refuge alternatives and components.

**COMMUNICATIONS**

- 208.51. Communications facilities for refuge alternatives.

**SELF-CONTAINED SELF-RESCUE DEVICES**

- 208.61. Availability of approved self-contained self-rescue devices; instruction in use and location.  
208.62. Approved self-contained self-rescue devices.  
208.63. Self-contained self-rescue devices; use and location requirements.  
208.64. Self-contained self-rescue devices; inspection, testing, maintenance, repair, and recordkeeping.  
208.65. Additional self-contained self-rescue devices.  
208.66. Map locations.  
208.67. Emergency tethers.  
208.68. Multi-gas detectors.  
208.69. Reporting SCSR inventory, malfunctions and retention.

**AUTOMATED EXTERNAL DEFIBRILLATORS**

- 208.70. Automated external defibrillators.

**COMBUSTIBLE MATERIALS AND ROCK DUSTING**

- 208.71. Maintenance of incombustible content of rock dust.

**HIGH-VOLTAGE CONTINUOUS MINING MACHINE STANDARDS  
FOR UNDERGROUND COAL MINES**

- 208.81. Scope.  
208.82. Electrical protection.  
208.83. Power centers.  
208.84. High-voltage trailing cables.  
208.85. Guarding of trailing cables.  
208.86. Trailing cable pulling.  
208.87. Tramming continuous mining machines in and out of the mine and from section to section.  
208.88. Splicing and repair of trailing cables.  
208.89. Electrical work; troubleshooting and testing.  
208.90. Frequency of examinations; recordkeeping.  
208.91. Handling high-voltage trailing cables.  
208.92. Training.  
208.93. Installation of electric equipment and conductors; permissibility.

**QUALIFIED AND CERTIFIED PERSONS**

- 208.101. Certified person.  
208.102. Tests for methane and for oxygen deficiency; qualified person.  
208.103. Tests for methane; oxygen deficiency; qualified person, additional requirement.  
208.104. Electrical work; qualified person.  
208.105. Repair of energized surface high-voltage lines; qualified person.  
208.106. Qualified hoistman; slope or shaft sinking operation; qualifications.  
208.107. Records of certified and qualified persons.  
208.108. Training programs.

**SURFACE INSTALLATIONS**

- 208.111. Surface installations; general.  
208.112. Methane content in surface installations.  
208.113. Tests for methane; qualified person; use of approved device.  
208.114. Methane accumulations; change in ventilation.  
208.115. Dust accumulations in surface installations.  
208.116. Use of material or equipment overhead; safeguards.  
208.117. Openings in surface installations; safeguards.  
208.118. Travelways at surface installations.  
208.119. Ladders; construction; installation and maintenance.  
208.120. Illumination.  
208.121. Storage of materials.  
208.122. Surge and storage piles.  
208.123. Hoisting of materials.  
208.124. Draw-off tunnels; stockpiling and reclaiming operations; general.  
208.125. Continuous methane monitoring device; installation and operation; automatic deenergization of electric equipment.  
208.126. Draw-off tunnel ventilation fans; installation.  
208.127. Draw-off tunnel escapeways.

**THERMAL DRYERS**

- 208.131. Thermal dryers; general.
- 208.132. Dryer heating units; operation.
- 208.133. Bypass stacks.
- 208.134. Hot gas inlet chamber dropout doors.
- 208.135. Explosion release vents.
- 208.136. Access to drying chambers, hot gas inlet chambers and duct-work; installation and maintenance.
- 208.137. Fire protection.
- 208.138. Thermal dryers; location and installation; general.
- 208.139. Structures housing other facilities; use of partitions.
- 208.140. Visual check of system equipment.
- 208.141. Control stations; location.
- 208.142. Control panels.
- 208.143. Alarm devices.
- 208.144. Fail safe monitoring systems.
- 208.145. Wet-coal feed bins; low-level indicators.
- 208.146. Automatic temperature control instruments.
- 208.147. Thermal dryers; examination and inspection.

**SAFEGUARDS FOR MECHANICAL EQUIPMENT**

- 208.151. Mechanical equipment guards.
- 208.152. Stationary grinding machines; protective devices.
- 208.153. Hand-held power tools; safety devices.
- 208.154. Mobile equipment; falling object protective structures.
- 208.155. Mobile equipment; rollover protective structures.
- 208.156. Seat belts.
- 208.157. Machinery and equipment; operation and maintenance.
- 208.158. Performing work from a raised position; safeguards.
- 208.159. Drive belts.
- 208.160. Power-driven pulleys.
- 208.161. Welding operations.
- 208.162. Shovels, draglines and tractors.
- 208.163. Mobile equipment; automatic warning devices.
- 208.164. Compressed air and boilers; general.
- 208.165. Compressed air systems.
- 208.166. Boilers.

**ELECTRICAL EQUIPMENT—GENERAL**

- 208.171. Electric power circuits and electric equipment; de-energization.
- 208.172. Electric distribution circuits and equipment; repair.
- 208.173. Qualified person.
- 208.174. Electric equipment; examination, testing and maintenance.
- 208.175. Qualified person.
- 208.176. Electric equipment; frequency of examination and testing.
- 208.177. Electric conductors; capacity and insulation.
- 208.178. Electric conductors.
- 208.179. Electrical connections or splices; suitability.
- 208.180. Cable fittings; suitability.
- 208.181. Electric equipment and circuits; overload and short-circuit protection.
- 208.182. Electric equipment and circuits; overload and short-circuit protection; minimum requirements.

- 208.183. Electric equipment; switches.
- 208.184. Lightning arresters; ungrounded and exposed power conductors and telephone wires.
- 208.185. Lightning arresters; wires entering buildings.
- 208.186. Transformers; installation and guarding.
- 208.187. Resistors; location and guarding.
- 208.188. Danger signs at electrical installations.
- 208.189. Inspection and cover plates.
- 208.190. Insulating mats at power switches.
- 208.191. Switchboards; passageways and clearance.
- 208.192. Bare signal or control wires; voltage.
- 208.193. Electric wiring and equipment; installation and maintenance.

#### TRAILING CABLES

- 208.201. Trailing cables; short-circuit protection; disconnecting devices.
- 208.202. Trailing cables or portable cables; temporary splices.
- 208.203. Permanent splicing of trailing cables.
- 208.204. Clamping of trailing cables to equipment.
- 208.205. Protection of trailing cables.
- 208.206. Breaking trailing cable and power cable connections.
- 208.207. Energized trailing cables; handling.
- 208.208. Rubber gloves; minimum requirements.

#### GROUNDING

- 208.211. Grounding metallic sheaths, armors and conduits enclosing power conductors.
- 208.212. Approved methods of grounding.
- 208.213. Grounding metallic frames, casings and other enclosures of electric equipment.
- 208.214. Approved methods of grounding of equipment receiving power from ungrounded alternating current power systems.
- 208.215. Approved methods of grounding metallic frames, casings and other enclosures of electric equipment receiving power from a direct-current power system.
- 208.216. Grounding wires; capacity.
- 208.217. Use of grounding connectors.
- 208.218. Protection other than grounding.
- 208.219. Grounding frames of stationary high-voltage equipment receiving power from ungrounded delta systems.
- 208.220. Approved methods of grounding.
- 208.221. Work on high-voltage lines; de-energizing and grounding.
- 208.222. Work on high-voltage lines.
- 208.223. Repairs to energized high-voltage lines.
- 208.224. Work on energized high-voltage surface lines; reporting.
- 208.225. Simultaneous repairs.
- 208.226. Installation of protective equipment.
- 208.227. Protective clothing; use and inspection.
- 208.228. Protective equipment; inspection.
- 208.229. Protective equipment; testing and storage.
- 208.230. Operating disconnecting or cutout switches.
- 208.231. Tying into energized high-voltage surface circuits.
- 208.232. Use of grounded messenger wires; ungrounded systems.
- 208.233. Guy wires; grounding.

**SURFACE HIGH-VOLTAGE DISTRIBUTION**

- 208.241. High-voltage circuits; circuit breakers.
- 208.242. Testing, examination and maintenance of circuit breakers; procedures.
- 208.243. Testing, examination and maintenance of circuit breakers; record.
- 208.244. Grounding resistors.
- 208.245. Grounding resistors; continuous current rating.
- 208.246. Protection of high-voltage circuits; neutral grounding resistors; disconnecting devices.
- 208.247. Fail safe ground check circuits on high-voltage resistance grounded systems.
- 208.248. Fail safe ground check circuits; maximum voltage.
- 208.249. Ground check systems not employing pilot check wires; approval by the Secretary of the United States Department of Labor.
- 208.250. High-voltage trailing cables; minimum design requirements.
- 208.251. Cable couplers and connection boxes; minimum design requirements.
- 208.252. Connection of single-phase loads.
- 208.253. Installation of high-voltage transmission cables.
- 208.254. High-voltage powerlines; clearances above ground.
- 208.255. Booms and masts; minimum distance from high-voltage lines.
- 208.256. Movement of equipment; minimum distance from high-voltage lines.
- 208.257. Disconnecting devices.
- 208.258. Identification of circuit breakers and disconnecting switches.
- 208.259. High-voltage equipment; grounding.
- 208.260. Movement of portable substations and transformers.

**LOW-VOLTAGE AND MEDIUM-VOLTAGE ALTERNATING CURRENT**

- 208.271. Low-voltage and medium-voltage circuits serving portable or mobile three-phase alternating current equipment; circuit breakers.
- 208.272. Testing, examination and maintenance of circuit breakers; procedures.
- 208.273. Testing, examination and maintenance of circuit breakers; record.
- 208.274. Protection of low-voltage and medium-voltage three-phase circuits.
- 208.275. Grounding resistor; continuous current rating.
- 208.276. Low-voltage and medium-voltage ground check monitor circuits.
- 208.277. Fail safe ground check circuits; maximum voltage.
- 208.278. Approved ground check systems not employing pilot check wires.
- 208.279. Attachment of ground conductors and ground check wires to equipment frames; use of separate connections.
- 208.280. Disconnecting devices.
- 208.281. Identification of circuit breakers.
- 208.282. Connection of single-phase loads.
- 208.283. Trailing cables supplying power to low-voltage mobile equipment; ground wires and ground check wires.

**GROUND CONTROL**

- 208.291. Highwalls, pits and spoil banks; plans.
- 208.292. Filing of plan.
- 208.293. Stripping; loose material.
- 208.294. Box cuts; spoil material placement.
- 208.295. Benches.
- 208.296. Ground control; inspections and maintenance; general.
- 208.297. Scaling highwalls; general.
- 208.298. Highwalls; men working.
- 208.299. Drilling; general.

- 208.300. Relocation of drills; safeguards.
- 208.301. Drill; operation.
- 208.302. Collaring holes.
- 208.303. Drill holes; guarding.
- 208.304. Jackhammers; operation; safeguards.
- 208.305. Air drills; safeguards.

#### **FIRE PROTECTION**

- 208.311. Fire protection; training and organization.
- 208.312. Escape and evacuation; plan.
- 208.313. Warning signs; smoking and open flame.
- 208.314. Flammable liquids; storage.
- 208.315. Accumulations of combustible materials.
- 208.316. Internal combustion engines; fueling.
- 208.317. Battery-charging stations; ventilation.
- 208.318. Belt conveyors.
- 208.319. Firefighting equipment; requirements; general.
- 208.320. Type and capacity of firefighting equipment.
- 208.321. Quantity and location of firefighting equipment.
- 208.322. Examination and maintenance of firefighting equipment.
- 208.323. Welding, cutting and soldering; use of fire extinguisher.
- 208.324. Welding, cutting or soldering with arc or flame; safeguards.

#### **MAPS**

- 208.331. Mine map.
- 208.332. Certification of mine maps.
- 208.333. Availability of mine map.

#### **PERSONNEL HOISTING**

- 208.341. Personnel hoists and elevators.
- 208.342. Automatic controls and brakes.
- 208.343. Rated capacity.
- 208.344. Maximum load; posting.
- 208.345. Daily examination of hoisting equipment.
- 208.346. Certifications and records of daily examinations.
- 208.347. Operation of hoisting equipment after repairs.

#### **WIRE ROPES**

- 208.351. Wire ropes; scope.
- 208.352. Minimum rope strength.
- 208.353. Initial measurement.
- 208.354. Examinations.
- 208.355. Retirement criteria.
- 208.356. Load end attachments.
- 208.357. Drum end attachment.
- 208.358. End attachment retermination.
- 208.359. End attachment replacement.

#### **LOADING AND HAULAGE**

- 208.361. Loading and haulage; general.
- 208.362. Transportation of persons; restrictions.
- 208.363. Trains and locomotives; authorized persons.

#### **208-6**

- 208.364. Transportation of persons; overcrowding.
- 208.365. Loading and haulage equipment; installations.
- 208.366. Loading and haulage equipment; inspection and maintenance.
- 208.367. Loading and haulage equipment; operation.
- 208.368. Dumping facilities.

#### MISCELLANEOUS

- 208.371. Communications in work areas.
- 208.372. First aid equipment; location; minimum requirements.
- 208.373. Protective clothing; requirements.
- 208.374. Distinctively colored hard hats or hard caps; identification for newly employed, inexperienced miners.
- 208.375. Smoking prohibition.

#### TROLLEY WIRES AND TROLLEY FEEDER WIRES

- 208.381. Cutout switches.
- 208.382. Overcurrent protection.
- 208.383. Devices for overcurrent protection.
- 208.384. Insulation of trolley wires, trolley feeder wires and bare signal wires; guarding of trolley wires and trolley feeder wires.

#### SLOPE AND SHAFT SINKING

- 208.391. Slopes and shafts; approval of plans.
- 208.392. Compliance with approved slope and shaft sinking plans.
- 208.393. Preshift and onshift inspections; reports.
- 208.394. Methane and oxygen deficiency tests; approved devices.
- 208.395. Drilling and mucking operations.
- 208.396. Permissible diesel-powered equipment.
- 208.397. Hoists and hoisting; minimum requirements.
- 208.398. Communications between slope and shaft bottoms and hoist operators.
- 208.399. Hoist safeguards; general.
- 208.400. Hoists; daily inspection.
- 208.401. Hoist construction; general.
- 208.402. Hoist installations; use.
- 208.403. Hoist operation; qualified hoistman.
- 208.404. Explosives and blasting; use of permissible explosives and shot-firing units.
- 208.405. Use of nonpermissible explosives and nonpermissible shot-firing units; approval by Health and Safety District Manager.
- 208.406. Explosives and blasting; general.
- 208.407. Ventilation of slopes and shafts.
- 208.408. Ladders and stairways.
- 208.409. Fire-resistant wood.
- 208.410. Electrical equipment.
- 208.411. Storage and handling of combustible materials.
- 208.412. Welding, cutting and soldering; fire protection.

#### CABLE SAFETY

- 208.600. Sensitive ground fault.

**Authority**

The provisions of this Chapter 208 issued under sections 106, 106.1 and 106.2 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106, 690-106.1 and 690-106.2); and section 1920-A of The Administrative Code of 1929 (71 P. S. § 510-20), unless otherwise noted.

**Source**

The provisions of this Chapter 208 adopted October 7, 2011, effective October 8, 2011, 41 Pa.B. 5360, unless otherwise noted.

**GENERAL PROVISIONS****§ 208.1. Definitions.**

The following words and terms, when used in this chapter, have the following meanings, unless the context clearly indicates otherwise:

*AED—Automated external defibrillator*—A portable device that uses electric shock to restore a stable heart rhythm to an individual in cardiac arrest.

*Act*—The Bituminous Coal Mine Safety Act (52 P.S. §§ 690-101—690-708).

*Approval* or *approved*—The term as defined in section 104 of the act (52 P.S. § 690-104).

*Barricaded*—To obstruct passage of persons, vehicles or flying materials.

*Berm*—A pile or mound of material capable of restraining a vehicle.

*Certified* or *registered*—A person certified or registered by the state in which the coal mine is located to perform duties prescribed by 30 CFR Part 77 (relating to mandatory safety standards, surface coal mines and surface work areas of underground coal mines), except that, in a state where a program of certification or registration is not provided or when the program does not meet at least minimum Federal standards established by the Secretary of the United States Department of Labor, the certification or registration shall be by the Secretary of the United States Department of Labor.

*Crosscut*—A passageway driven between the entry and its parallel air course or air courses for ventilation purposes.

*Flash point*—The minimum temperature at which sufficient vapor is released by a liquid or solid to form a flammable vapor-air mixture at atmospheric pressure.

*Inby*—In the direction of the working face.

*MSHA*—The term as defined in section 104 of the act.

*Miner*—The term as defined in section 104 of the act.

*NIOSH*—The term as defined in section 104 of the act.

*Operator*—The term as defined in section 104 of the act.

*Overpressure*—The pressure over the background atmospheric pressure that could result from an explosion, which includes the impact of the pressure wave on an object.

*psi*—Pounds per square inch.

*Qualified person*—The term means either of the following as determined by the context of the regulation:



(i) An individual deemed qualified by the Secretary of the United States Department of Labor and designated by the operator to make tests and examinations required under 30 CFR Part 77.

(ii) An individual deemed, in accordance with the minimum requirements to be established by the Secretary of the United States Department of Labor, qualified by training, education and experience to perform electrical work, to maintain electrical equipment, and to conduct examinations and make tests of all electrical equipment.

*Representative of the miners*—The term as defined in section 104 of the act.

*Roll protection*—A framework, safety canopy or similar protection for the operator when equipment overturns.

*SCSR—Self-contained self-rescue device*—A type of closed-circuit, self-contained breathing apparatus approved by MSHA and NIOSH under 42 CFR Part 84 (relating to approval of respiratory protective devices) for escape only from underground mines.

*Safety can*—An approved container, of not over 5 gallons capacity, having a spring-closing lid and spout cover.

*Trailing cable*—The cable connecting portable and mobile equipment to a power source. A cable is not considered a trailing cable if it connects to equipment which is installed in a stationary location and is permanently wired.

*Underground bituminous coal mine or mine*—The term as defined in section 104 of the act.

*Working face*—Any place in a mine where coal is extracted during a mining cycle.

*Working section*—The area in a mine from the face extending back 1,000 feet.

#### Authority

The provisions of this § 208.1 amended under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P.S. §§ 690-106 and 690-106.1).

#### Source

The provisions of this § 208.1 amended December 7, 2012, effective March 1, 2013, 42 Pa.B. 7414; amended December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139; amended January 12, 2018, effective January 13, 2018, 48 Pa.B. 251. Immediately preceding text appears at serial pages (379640) to (379641).

### § 208.2. Scope.

The safety standards and procedures in this chapter apply to all underground bituminous coal mines, operators and miners subject to the act.

### § 208.3. Access to material.

Upon request from the Department, or as required under this chapter, an operator shall submit to the Department a copy of any application, report, plan or other material submitted to MSHA pursuant to a regulation adopted by reference in this chapter. Upon request from the authorized representative of the miners, the Department will provide to the representative of the miners copies of an applica-

tion, report, plan or other material submitted by an operator to MSHA pursuant to a regulation adopted by reference in this chapter.

## SEALS

### § 208.11. Seals.

(a) *Seal installation.* The provisions of 30 CFR 75.335(c)(relating to seal strengths, design applications, and installation) are incorporated by reference.

(b) *Seal Strength greater than 120 psi.* The provisions of 30 CFR 75.335(a)(3) shall be used for determining when the strength of a seal shall exceed 120 psi.

(c) *Seal installation approval.* The operator shall submit an application to install the MSHA-approved seal design to the Department for its review and approval concerning seal installation. An approved application to install the seal shall be made part of the abandoned area ventilation plan required under section 235 of the act (52 P. S. § 690-235) regarding unused and abandoned parts of mines and follow 30 CFR 75.335(c).

(1) The operator shall provide the representative of the miners, if applicable, the approved seal design installation application at the same time the operator submits the application to the Department.

(2) Any individual installing the seal shall do so in accordance with the approved abandoned area ventilation plan.

### § 208.12. Sampling and monitoring requirements.

The provisions of 30 CFR 75.336 (relating to sampling and monitoring requirements) are incorporated by reference.

### § 208.13. Construction and repair of seals.

(a) *General.* The provisions of 30 CFR 75.337 (relating to construction and repair of seals) are incorporated by reference.

(b) *Welding, cutting and soldering.* The operator shall submit to the Department and the representative of the miners the same information submitted to MSHA under 30 CFR 75.337(f). Any welding, cutting or soldering within 150 feet of a seal shall be performed in accordance with the MSHA approval.

### § 208.14. Training.

The provisions of 30 CFR 75.338 (relating to training) are incorporated by reference.

### § 208.15. Seals records.

(a) *General.* The provisions of 30 CFR 75.339 (relating to seals records) are incorporated by reference.

(b) *Access to records.* Upon request from the Department, or from the authorized representative of the miners, mine operators shall provide access to any record required by this section.

## ESCAPEWAYS

### § 208.21. Escapeways.

(a) *Bituminous and lignite mines.* The provisions of 30 CFR 75.380 (relating to escapeways; bituminous and lignite mines) are incorporated by reference except that the language in 30 CFR 75.380(c) allowing the two escapeways to end in one multiple compartment shaft or slope separated by walls is not incorporated by reference.

(b) *Mechanical and escape facilities.* The provisions of 30 CFR 75.382 (relating to mechanical escape facilities) are incorporated by reference.

(c) *Longwall and shortwall travelways.* The provisions of 30 CFR 75.384 (relating to longwall and shortwall travelways) are incorporated by reference. If a roof fall or other blockage occurs that prevents travel in the travelway, the mine operator shall notify the Department.

## BELTS

### § 208.31. Approval of conveyor belts.

The provisions of 30 CFR 75.1108(b) and (c) (relating to approved conveyor belts) are incorporated by reference.

### § 208.32. Maintenance of belt conveyors and belt conveyor entries.

(a) *Maintenance standards.* The provisions of 30 CFR 75.1731 (relating to maintenance of belt conveyors and belt conveyor entries) are incorporated by reference.

(b) *Inspections.* Individuals conducting inspections of belt conveyors required under sections 218 and 218.1 of the act (52 P. S. §§ 690-218 and 690-218.1) regarding preshift examination at fixed intervals and supplemental inspection shall address compliance with this section's maintenance requirements.

## EMERGENCIES

### § 208.41. Emergency evacuation.

(a) *Emergency evacuation.* The provisions of 30 CFR 75.1501 (relating to emergency evacuations) are incorporated by reference.

(b) *Individual located on the surface.* An individual designated by the mine operator who is adequately trained and is capable of initiating the emergency response plan shall be located on the surface in the event the designated responsible person is not available.

### § 208.42. Emergency evacuation and firefighting program of instruction.

The provisions of 30 CFR 75.1502 (relating to mine emergency evacuation and firefighting program of instruction) are incorporated by reference.

**§ 208.43. Use of fire suppression equipment.**

The provisions of 30 CFR 75.1503 (relating to use of fire suppression equipment) are incorporated by reference.

**§ 208.44. Mine emergency evacuation training and drills.**

The provisions of 30 CFR 75.1504 (relating to mine emergency evacuation training and drills) are incorporated by reference.

**§ 208.45. Escapeway maps.**

The provisions of 30 CFR 75.1505 (relating to escapeway maps) are incorporated by reference.

**§ 208.46. Refuge alternatives.**

The provisions of 30 CFR 75.1506 (relating to refuge alternatives) are incorporated by reference.

**§ 208.47. Emergency response plan; refuge alternatives.**

The provisions of 30 CFR 75.1507 (relating to Emergency Response Plan; refuge alternatives) are incorporated by reference.

**§ 208.48. Training and records for examination, maintenance and repair of refuge alternatives and components.**

The provisions of 30 CFR 75.1508 (relating to training and records for examination, maintenance and repair of refuge alternatives and components) are incorporated by reference.

**COMMUNICATIONS****§ 208.51. Communications facilities for refuge alternatives.**

The provisions of 30 CFR 75.1600-3 (relating to communications facilities; refuge alternatives) are incorporated by reference.

**SELF-CONTAINED SELF-RESCUE DEVICES****§ 208.61. Availability of approved self-contained self-rescue devices; instruction in use and location.**

The provisions of 30 CFR 75.1714 (relating to availability of approved self-rescue devices; instruction in use and location) are incorporated by reference.

**§ 208.62. Approved self-contained self-rescue devices.**

The provisions of 30 CFR 75.1714-1 (relating to approved self-rescue devices) are incorporated by reference.

**§ 208.63. Self-contained self-rescue devices; use and location requirements.**

The provisions of 30 CFR 75.1714-2 (relating to self-rescue devices; use and location requirements) are incorporated by reference.

**§ 208.64. Self-contained self-rescue devices; inspection, testing, maintenance, repair, and recordkeeping.**

The provisions of 30 CFR 75.1714-3 (relating to self-rescue devices; inspection, testing, maintenance, repair, and recordkeeping) are incorporated by reference.

**§ 208.65. Additional self-contained self-rescue devices.**

The provisions of 30 CFR 75.1714-4 (relating to additional self-contained self-rescuers (SCSRs)) are incorporated by reference.

**§ 208.66. Map locations.**

The provisions of 30 CFR 75.1714-5 (relating to map locations of self-contained self-rescuers (SCSR)) are incorporated by reference.

**§ 208.67. Emergency tethers.**

The provisions of 30 CFR 75.1714-6 (relating to emergency tethers) are incorporated by reference.

**§ 208.68. Multi-gas detectors.**

The provisions of 30 CFR 75.1714-7 (relating to multi-gas detectors) are incorporated by reference.

**§ 208.69. Reporting SCSR inventory, malfunctions and retention.**

The provisions of 30 CFR 75.1714-8 (relating to reporting SCSR inventory and malfunctions; retention of SCSR) are incorporated by reference.

#### **AUTOMATED EXTERNAL DEFIBRILLATORS**

**§ 208.70. Automated external defibrillators.**

(a) *Location.* A mine operator, in consultation with emergency medical technicians, shall provide for use in an emergency one AED at the following locations:

- (1) At a location on the surface in close proximity to the mine entry at the same location where the first aid equipment is stored.
- (2) At a point in each working section not more than 1,000 feet outby the active working face or faces at the same location where the first aid equipment is stored.

(b) *Training.*

(1) Emergency medical technicians and emergency medical technician paramedics at the mine shall complete training in the use of an AED. The mine operator may include the required AED training in its continuing education plan for emergency medical personnel. Training in the use of the AED for emergency medical technicians and emergency medical technician paramedics shall be provided in accordance with the standards of the American Heart Association, the American National Red Cross or through an equivalent course of instruction approved by the Department of Health.

(2) Mine personnel, other than emergency medical technicians and emergency medical technician paramedics, shall receive yearly training in the operation of the AED. Training may be provided as part of the annual refresher training provided under 30 CFR 48.8(c) (relating to annual refresher training of miners; minimum courses of instruction; hours of instruction).

(c) *Maintenance and inspection.* AEDs shall be maintained and inspected according to manufacturer's operational guidelines.

(d) *Good Samaritans.* Section 8331.2 of 42 Pa.C.S. (relating to Good Samaritan civil immunity for use of automated external defibrillator) applies to miners who render care with an AED.

**Authority**

The provisions of this § 208.70 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.70 adopted December 7, 2012, effective March 1, 2013, 42 Pa.B. 7414.

## COMBUSTIBLE MATERIALS AND ROCK DUSTING

### § 208.71. Maintenance of incombustible content of rock dust.

(a) Where rock dust is required to be applied, it shall be distributed upon the top, floor and sides of the underground areas of a coal mine and maintained in quantities so that the incombustible content of the combined coal dust, rock dust and other dust is not less than 80%.

(b) Where methane is present in a ventilating current, the percent of incombustible content of the combined dust as required under subsection (a) shall be increased 0.4% for each 0.1% of methane.

(c) Moisture in the combined coal dust, rock dust and other dusts shall be considered as a part of the incombustible content of the mixture.

**Authority**

The provisions of this § 208.71 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.71 adopted December 13, 2013, effective December 14, 2013, 43 Pa.B. 7275.

**HIGH-VOLTAGE CONTINUOUS MINING MACHINE STANDARDS  
FOR UNDERGROUND COAL MINES**

**§ 208.81. Scope.**

The provisions of 30 CFR 75.823 (relating to scope) are incorporated by reference.

**Authority**

The provisions of this § 208.81 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.81 adopted June 27, 2014, effective June 28, 2014, 44 Pa.B. 3962.

**§ 208.82. Electrical protection.**

The provisions of 30 CFR 75.824 (relating to electrical protection) are incorporated by reference.

**Authority**

The provisions of this § 208.82 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.82 adopted June 27, 2014, effective June 28, 2014, 44 Pa.B. 3962.

**§ 208.83. Power centers.**

The provisions of 30 CFR 75.825 (relating to power centers) are incorporated by reference.

**Authority**

The provisions of this § 208.83 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.83 adopted June 27, 2014, effective June 28, 2014, 44 Pa.B. 3962.

**§ 208.84. High-voltage trailing cables.**

The provisions of 30 CFR 75.826 (relating to high-voltage trailing cables) are incorporated by reference.

**Authority**

The provisions of this § 208.84 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.84 adopted June 27, 2014, effective June 28, 2014, 44 Pa.B. 3962.

**§ 208.85. Guarding of trailing cables.**

The provisions of 30 CFR 75.827 (relating to guarding of trailing cables) are incorporated by reference.

**Authority**

The provisions of this § 208.85 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.85 adopted June 27, 2014, effective June 28, 2014, 44 Pa.B. 3962.

**§ 208.86. Trailing cable pulling.**

The provisions of 30 CFR 75.828 (relating to trailing cable pulling) are incorporated by reference.

**Authority**

The provisions of this § 208.86 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.86 adopted June 27, 2014, effective June 28, 2014, 44 Pa.B. 3962.

**§ 208.87. Trimming continuous mining machines in and out of the mine and from section to section.**

The provisions of 30 CFR 75.829 (relating to trimming continuous mining machines in and out of the mine and from section to section) are incorporated by reference.

**Authority**

The provisions of this § 208.87 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.87 adopted June 27, 2014, effective June 28, 2014, 44 Pa.B. 3962.

**§ 208.88. Splicing and repair of trailing cables.**

(a) *Incorporation by reference.* The provisions of 30 CFR 75.830(a) (relating to splicing and repair of trailing cables) are incorporated by reference.

(b) *Splicing limitations.*



- (1) Splicing of the high-voltage trailing cable within 50 feet of the continuous mining machine is prohibited.
- (2) The provisions of 30 CFR 75.830(b)(2) are incorporated by reference.

**Authority**

The provisions of this § 208.88 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.88 adopted June 27, 2014, effective June 28, 2014, 44 Pa.B. 3962.

**§ 208.89. Electrical work; troubleshooting and testing.**

The provisions of 30 CFR 75.831 (relating to electrical work; troubleshooting and testing) are incorporated by reference.

**Authority**

The provisions of this § 208.89 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.89 adopted June 27, 2014, effective June 28, 2014, 44 Pa.B. 3962.

**§ 208.90. Frequency of examinations; recordkeeping.**

The provisions of 30 CFR 75.832 (relating to frequency of examinations; recordkeeping) are incorporated by reference.

**Authority**

The provisions of this § 208.90 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.90 adopted June 27, 2014, effective June 28, 2014, 44 Pa.B. 3962.

**§ 208.91. Handling high-voltage trailing cables.**

The provisions of 30 CFR 75.833 (relating to handling high-voltage trailing cables) are incorporated by reference.

**Authority**

The provisions of this § 208.91 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.91 adopted June 27, 2014, effective June 28, 2014, 44 Pa.B. 3962.

**§ 208.92. Training.**

The provisions of 30 CFR 75.834 (relating to training) are incorporated by reference.

**Authority**

The provisions of this § 208.92 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.92 adopted June 27, 2014, effective June 28, 2014, 44 Pa.B. 3962.

**§ 208.93. Installation of electric equipment and conductors; permissibility.**

The provisions of 30 CFR 75.1002 (relating to installation of electric equipment and conductors; permissibility) are incorporated by reference.

**Authority**

The provisions of this § 208.93 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.93 adopted June 27, 2014, effective June 28, 2014, 44 Pa.B. 3962.

**QUALIFIED AND CERTIFIED PERSONS****§ 208.101. Certified person.**

The provisions of 30 CFR 77.100 (relating to certified person) are incorporated by reference.

**Authority**

The provisions of this § 208.101 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.101 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.102. Tests for methane and for oxygen deficiency; qualified person.**

The provisions of 30 CFR 77.101 (relating to tests for methane and for oxygen deficiency; qualified person) are incorporated by reference.

**Authority**

The provisions of this § 208.102 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.102 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.103. Tests for methane; oxygen deficiency; qualified person, additional requirement.**

The provisions of 30 CFR 77.102 (relating to tests for methane; oxygen deficiency; qualified person, additional requirement) are incorporated by reference.

**Authority**

The provisions of this § 208.103 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.103 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.104. Electrical work; qualified person.**

The provisions of 30 CFR 77.103 (relating to electrical work; qualified person) are incorporated by reference.

**Authority**

The provisions of this § 208.104 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.104 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.105. Repair of energized surface high-voltage lines; qualified person.**

The provisions of 30 CFR 77.104 (relating to repair of energized surface high-voltage lines; qualified person) are incorporated by reference.

**Authority**

The provisions of this § 208.105 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.105 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.106. Qualified hoistman; slope or shaft sinking operation; qualifications.**

The provisions of 30 CFR 77.105 (relating to qualified hoistman; slope or shaft sinking operation; qualifications) are incorporated by reference.

**Authority**

The provisions of this § 208.106 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.106 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.107. Records of certified and qualified persons.**

The provisions of 30 CFR 77.106 (relating to records of certified and qualified persons) are incorporated by reference.

**Authority**

The provisions of this § 208.107 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.107 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.108. Training programs.**

The provisions of 30 CFR 77.107 (relating to training programs) are incorporated by reference.

**Authority**

The provisions of this § 208.108 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.108 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**SURFACE INSTALLATIONS****§ 208.111. Surface installations; general.**

The provisions of 30 CFR 77.200 (relating to surface installations; general) are incorporated by reference.

**Authority**

The provisions of this § 208.111 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.111 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

208-20

**§ 208.112. Methane content in surface installations.**

The provisions of 30 CFR 77.201 (relating to methane content in surface installations) are incorporated by reference.

**Authority**

The provisions of this § 208.112 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.112 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.113. Tests for methane; qualified person; use of approved device.**

The provisions of 30 CFR 77.201-1 (relating to tests for methane; qualified person; use of approved device) are incorporated by reference.

**Authority**

The provisions of this § 208.113 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.113 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.114. Methane accumulations; change in ventilation.**

The provisions of 30 CFR 77.201-2 (relating to methane accumulations; change in ventilation) are incorporated by reference.

**Authority**

The provisions of this § 208.114 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.114 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.115. Dust accumulations in surface installations.**

The provisions of 30 CFR 77.202 (relating to dust accumulations in surface installations) are incorporated by reference.

**Authority**

The provisions of this § 208.115 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.115 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.116. Use of material or equipment overhead; safeguards.**

The provisions of 30 CFR 77.203 (relating to use of material or equipment overhead; safeguards) are incorporated by reference.

**Authority**

The provisions of this § 208.116 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.116 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.117. Openings in surface installations; safeguards.**

The provisions of 30 CFR 77.204 (relating to openings in surface installations; safeguards) are incorporated by reference.

**Authority**

The provisions of this § 208.117 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.117 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.118. Travelways at surface installations.**

The provisions of 30 CFR 77.205 (relating to travelways at surface installations) are incorporated by reference.

**Authority**

The provisions of this § 208.118 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.118 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.119. Ladders; construction; installation and maintenance.**

The provisions of 30 CFR 77.206 (relating to ladders; construction; installation and maintenance) are incorporated by reference.

**Authority**

The provisions of this § 208.119 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.119 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.120. Illumination.**

The provisions of 30 CFR 77.207 (relating to illumination) are incorporated by reference.

**Authority**

The provisions of this § 208.120 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.120 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.121. Storage of materials.**

The provisions of 30 CFR 77.208 (relating to storage of materials) are incorporated by reference.

**Authority**

The provisions of this § 208.121 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.121 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.122. Surge and storage piles.**

The provisions of 30 CFR 77.209 (relating to surge and storage piles) are incorporated by reference.

**Authority**

The provisions of this § 208.122 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.122 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.123. Hoisting of materials.**

The provisions of 30 CFR 77.210 (relating to hoisting of materials) are incorporated by reference.

**Authority**

The provisions of this § 208.123 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.123 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.124. Draw-off tunnels; stockpiling and reclaiming operations; general.**

The provisions of 30 CFR 77.211 (relating to draw-off tunnels; stockpiling and reclaiming operations; general) are incorporated by reference.

**Authority**

The provisions of this § 208.124 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.124 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.125. Continuous methane monitoring device; installation and operation; automatic deenergization of electric equipment.**

The provisions of 30 CFR 77.211-1 (relating to continuous methane monitoring device; installation and operation; automatic deenergization of electric equipment) are incorporated by reference.

**Authority**

The provisions of this § 208.125 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.125 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.126. Draw-off tunnel ventilation fans; installation.**

The provisions of 30 CFR 77.212 (relating to draw-off tunnel ventilation fans; installation) are incorporated by reference.

**Authority**

The provisions of this § 208.126 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).



**Source**

The provisions of this § 208.126 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.127. Draw-off tunnel escapeways.**

The provisions of 30 CFR 77.213 (relating to draw-off tunnel escapeways) are incorporated by reference.

**Authority**

The provisions of this § 208.127 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.127 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**THERMAL DRYERS**

**§ 208.131. Thermal dryers; general.**

The provisions of 30 CFR 77.300 (relating to thermal dryers; general) are incorporated by reference.

**Authority**

The provisions of this § 208.131 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.131 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.132. Dryer heating units; operation.**

The provisions of 30 CFR 77.301 (relating to dryer heating units; operation) are incorporated by reference.

**Authority**

The provisions of this § 208.132 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.132 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.133. Bypass stacks.**

The provisions of 30 CFR 77.302 (relating to bypass stacks) are incorporated by reference.

**Authority**

The provisions of this § 208.133 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.133 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.134. Hot gas inlet chamber dropout doors.**

The provisions of 30 CFR 77.303 (relating to hot gas inlet chamber dropout doors) are incorporated by reference.

**Authority**

The provisions of this § 208.134 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.134 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.135. Explosion release vents.**

The provisions of 30 CFR 77.304 (relating to explosion release vents) are incorporated by reference.

**Authority**

The provisions of this § 208.135 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.135 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.136. Access to drying chambers, hot gas inlet chambers and ductwork; installation and maintenance.**

The provisions of 30 CFR 77.305 (relating to access to drying chambers, hot gas inlet chambers and ductwork; installation and maintenance) are incorporated by reference.

**Authority**

The provisions of this § 208.136 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.136 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.137. Fire protection.**

The provisions of 30 CFR 77.306 (relating to fire protection) are incorporated by reference.

**Authority**

The provisions of this § 208.137 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.137 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.138. Thermal dryers; location and installation; general.**

The provisions of 30 CFR 77.307 (relating to thermal dryers; location and installation; general) are incorporated by reference.

**Authority**

The provisions of this § 208.138 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.138 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.139. Structures housing other facilities; use of partitions.**

The provisions of 30 CFR 77.308 (relating to structures housing other facilities; use of partitions) are incorporated by reference.

**Authority**

The provisions of this § 208.139 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.139 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.140. Visual check of system equipment.**

The provisions of 30 CFR 77.309 (relating to visual check of system equipment) are incorporated by reference.

**Authority**

The provisions of this § 208.140 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.140 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.141. Control stations; location.**

The provisions of 30 CFR 77.309-1 (relating to control stations; location) are incorporated by reference.

**Authority**

The provisions of this § 208.141 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.141 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.142. Control panels.**

The provisions of 30 CFR 77.310 (relating to control panels) are incorporated by reference.

**Authority**

The provisions of this § 208.142 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.142 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.143. Alarm devices.**

The provisions of 30 CFR 77.311 (relating to alarm devices) are incorporated by reference.

**Authority**

The provisions of this § 208.143 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.143 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.144. Fail safe monitoring systems.**

The provisions of 30 CFR 77.312 (relating to fail safe monitoring systems) are incorporated by reference.

**Authority**

The provisions of this § 208.144 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.144 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.145. Wet-coal feed bins; low-level indicators.**

The provisions of 30 CFR 77.313 (relating to wet-coal feedbins; low-level indicators) are incorporated by reference.

**Authority**

The provisions of this § 208.145 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.145 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.146. Automatic temperature control instruments.**

The provisions of 30 CFR 77.314 (relating to automatic temperature control instruments) are incorporated by reference.

**Authority**

The provisions of this § 208.146 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.146 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.147. Thermal dryers; examination and inspection.**

The provisions of 30 CFR 77.315 (relating to thermal dryers; examination and inspection) are incorporated by reference.

**Authority**

The provisions of this § 208.147 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.147 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**SAFEGUARDS FOR MECHANICAL EQUIPMENT****§ 208.151. Mechanical equipment guards.**

The provisions of 30 CFR 77.400 (relating to mechanical equipment guards) are incorporated by reference.

**Authority**

The provisions of this § 208.151 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.151 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.152. Stationary grinding machines; protective devices.**

The provisions of 30 CFR 77.401 (relating to stationary grinding machines; protective devices) are incorporated by reference.

**Authority**

The provisions of this § 208.152 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.152 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.153. Hand-held power tools; safety devices.**

The provisions of 30 CFR 77.402 (relating to hand-held power tools; safety devices) are incorporated by reference.

**Authority**

The provisions of this § 208.153 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.153 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.154. Mobile equipment; falling object protective structures.**

The provisions of 30 CFR 77.403 (relating to mobile equipment; falling object protective structures (FOPS)) are incorporated by reference.

**Authority**

The provisions of this § 208.154 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.154 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.155. Mobile equipment; rollover protective structures.**

All rubber-tired or crawler-mounted self-propelled scrapers front-end loaders, dozers, cranes, loaders and tractors, with or without attachments, at the surface work areas of underground coal mines shall be provided with rollover protective structures, in accordance with the certification requirements approved by MSHA.

**Authority**

The provisions of this § 208.155 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.155 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.156. Seat belts.**

The provisions of 30 CFR 77.403-1(g) (relating to mobile equipment; rollover protective structures (ROPS)) are incorporated by reference.

**Authority**

The provisions of this § 208.156 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.156 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.157. Machinery and equipment; operation and maintenance.**

The provisions of 30 CFR 77.404 (relating to machinery and equipment; operation and maintenance) are incorporated by reference.

**Authority**

The provisions of this § 208.157 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.157 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.158. Performing work from a raised position; safeguards.**

The provisions of 30 CFR 77.405 (relating to performing work from a raised position; safeguards) are incorporated by reference.

**Authority**

The provisions of this § 208.158 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.158 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.159. Drive belts.**

The provisions of 30 CFR 77.406 (relating to drive belts) are incorporated by reference.

**Authority**

The provisions of this § 208.159 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.159 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.160. Power-driven pulleys.**

The provisions of 30 CFR 77.407 (relating to power-driven pulleys) are incorporated by reference.

**Authority**

The provisions of this § 208.160 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.160 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.161. Welding operations.**

The provisions of 30 CFR 77.408 (relating to welding operations) are incorporated by reference.

**Authority**

The provisions of this § 208.161 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.161 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.



**§ 208.162. Shovels, draglines and tractors.**

The provisions of 30 CFR 77.409 (relating to shovels, draglines, and tractors) are incorporated by reference.

**Authority**

The provisions of this § 208.162 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.162 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.163. Mobile equipment; automatic warning devices.**

The provisions of 30 CFR 77.410 (relating to mobile equipment; automatic warning devices) are incorporated by reference.

**Authority**

The provisions of this § 208.163 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.163 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.164. Compressed air and boilers; general.**

The provisions of 30 CFR 77.411 (relating to compressed air and boilers; general) are incorporated by reference.

**Authority**

The provisions of this § 208.164 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.164 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.165. Compressed air systems.**

The provisions of 30 CFR 77.412 (relating to compressed air systems) are incorporated by reference.

**Authority**

The provisions of this § 208.165 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.165 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.166. Boilers.**

The provisions of 30 CFR 77.413 (relating to boilers) are incorporated by reference.

**Authority**

The provisions of this § 208.166 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.166 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**ELECTRICAL EQUIPMENT—GENERAL****§ 208.171. Electric power circuits and electric equipment; de-energization.**

The provisions of 30 CFR 77.500 (relating to electric power circuits and electric equipment; deenergization) are incorporated by reference.

**Authority**

The provisions of this § 208.171 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.171 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.172. Electric distribution circuits and equipment; repair.**

The provisions of 30 CFR 77.501 (relating to electric distribution circuits and equipment; repair) are incorporated by reference.

**Authority**

The provisions of this § 208.172 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.172 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.173. Qualified person.**

The provisions of 30 CFR 77.501-1 (relating to qualified person) are incorporated by reference.

**Authority**

The provisions of this § 208.173 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.173 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.174. Electric equipment; examination, testing and maintenance.**

The provisions of 30 CFR 77.502 (relating to electric equipment; examination, testing, and maintenance) are incorporated by reference.

**Authority**

The provisions of this § 208.174 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.174 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.175. Qualified person.**

The provisions of 30 CFR 77.502-1 (relating to qualified person) are incorporated by reference.

**Authority**

The provisions of this § 208.175 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.175 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.176. Electric equipment; frequency of examination and testing.**

The provisions of 30 CFR 77.502-2 (relating to electric equipment; frequency of examination and testing) are incorporated by reference.

**Authority**

The provisions of this § 208.176 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.176 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.177. Electric conductors; capacity and insulation.**

The provisions of 30 CFR 77.503 (relating to electric conductors; capacity and insulation) are incorporated by reference.

**Authority**

The provisions of this § 208.177 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.177 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.178. Electric conductors.**

The provisions of 30 CFR 77.503-1 (relating to electric conductors) are incorporated by reference.

**Authority**

The provisions of this § 208.178 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.178 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.179. Electrical connections or splices; suitability.**

The provisions of 30 CFR 77.504 (relating to electrical connections or splices; suitability) are incorporated by reference.

**Authority**

The provisions of this § 208.179 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.179 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.180. Cable fittings; suitability.**

The provisions of 30 CFR 77.505 (relating to cable fittings; suitability) are incorporated by reference.

**Authority**

The provisions of this § 208.180 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.180 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.181. Electric equipment and circuits; overload and short-circuit protection.**

The provisions of 30 CFR 77.506 (relating to electric equipment and circuits; overload and short-circuit protection) are incorporated by reference.

**Authority**

The provisions of this § 208.181 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.181 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.182. Electric equipment and circuits; overload and short-circuit protection; minimum requirements.**

The provisions of 30 CFR 77.506-1 (relating to electric equipment and circuits; overload and short circuit protection; minimum requirements) are incorporated by reference.

**Authority**

The provisions of this § 208.182 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.182 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.183. Electric equipment; switches.**

The provisions of 30 CFR 77.507 (relating to electric equipment; switches) are incorporated by reference.

**Authority**

The provisions of this § 208.183 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.183 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.184. Lightning arresters; ungrounded and exposed power conductors and telephone wires.**

The provisions of 30 CFR 77.508 (relating to lightning arresters, ungrounded and exposed power conductors and telephone wires) are incorporated by reference.

**Authority**

The provisions of this § 208.184 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.184 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.185. Lightning arresters; wires entering buildings.**

The provisions of 30 CFR 77.508-1 (relating to lightning arresters; wires entering buildings) are incorporated by reference.

**Authority**

The provisions of this § 208.185 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.185 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.186. Transformers; installation and guarding.**

The provisions of 30 CFR 77.509 (relating to transformers; installation and guarding) are incorporated by reference.

**Authority**

The provisions of this § 208.186 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.186 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.187. Resistors; location and guarding.**

The provisions of 30 CFR 77.510 (relating to resistors; location and guarding) are incorporated by reference.

**Authority**

The provisions of this § 208.187 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.187 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.188. Danger signs at electrical installations.**

The provisions of 30 CFR 77.511 (relating to danger signs at electrical installations) are incorporated by reference.

**Authority**

The provisions of this § 208.188 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.188 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.189. Inspection and cover plates.**

The provisions of 30 CFR 77.512 (relating to inspection and cover plates) are incorporated by reference.

**Authority**

The provisions of this § 208.189 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.189 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.190. Insulating mats at power switches.**

The provisions of 30 CFR 77.513 (relating to insulating mats at power switches) are incorporated by reference.

**Authority**

The provisions of this § 208.190 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.190 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.191. Switchboards; passageways and clearance.**

The provisions of 30 CFR 77.514 (relating to switchboards; passageways and clearance) are incorporated by reference.

**Authority**

The provisions of this § 208.191 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.191 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.192. Bare signal or control wires; voltage.**

The provisions of 30 CFR 77.515 (relating to bare signal or control wires; voltage) are incorporated by reference.

**Authority**

The provisions of this § 208.192 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.192 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.193. Electric wiring and equipment; installation and maintenance.**

The provisions of 30 CFR 77.516 (relating to electric wiring and equipment; installation and maintenance) are incorporated by reference.

**Authority**

The provisions of this § 208.193 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.193 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**TRAILING CABLES****§ 208.201. Trailing cables; short-circuit protection; disconnecting devices.**

The provisions of 30 CFR 77.600 (relating to trailing cables; short-circuit protection; disconnecting devices) are incorporated by reference.

**Authority**

The provisions of this § 208.201 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.201 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.



**§ 208.202. Trailing cables or portable cables; temporary splices.**

The provisions of 30 CFR 77.601 (relating to trailing cables or portable cables; temporary splices) are incorporated by reference.

**Authority**

The provisions of this § 208.202 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.202 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.203. Permanent splicing of trailing cables.**

The provisions of 30 CFR 77.602 (relating to permanent splicing of trailing cables) are incorporated by reference.

**Authority**

The provisions of this § 208.203 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.203 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.204. Clamping of trailing cables to equipment.**

The provisions of 30 CFR 77.603 (relating to clamping of trailing cables to equipment) are incorporated by reference.

**Authority**

The provisions of this § 208.204 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.204 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.205. Protection of trailing cables.**

The provisions of 30 CFR 77.604 (relating to protection of trailing cables) are incorporated by reference.

**Authority**

The provisions of this § 208.205 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.205 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.206. Breaking trailing cable and power cable connections.**

The provisions of 30 CFR 77.605 (relating to breaking trailing cable and power cable connections) are incorporated by reference.

**Authority**

The provisions of this § 208.206 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.206 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.207. Energized trailing cables; handling.**

The provisions of 30 CFR 77.606 (relating to energized trailing cables; handling) are incorporated by reference.

**Authority**

The provisions of this § 208.207 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.207 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.208. Rubber gloves; minimum requirements.**

The provisions of 30 CFR 77.606-1 (relating to rubber gloves; minimum requirements) are incorporated by reference.

**Authority**

The provisions of this § 208.208 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.208 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**GROUNDING****§ 208.211. Grounding metallic sheaths, armors and conduits enclosing power conductors.**

The provisions of 30 CFR 77.700 (relating to grounding metallic sheaths, armors, and conduits enclosing power conductors) are incorporated by reference.

**Authority**

The provisions of this § 208.211 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.211 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.212. Approved methods of grounding.**

The provisions of 30 CFR 77.700-1 (relating to approved methods of grounding) are incorporated by reference.

**Authority**

The provisions of this § 208.212 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.212 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.213. Grounding metallic frames, casings and other enclosures of electric equipment.**

The provisions of 30 CFR 77.701 (relating to grounding metallic frames, casings, and other enclosures of electric equipment) are incorporated by reference.

**Authority**

The provisions of this § 208.213 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.213 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.214. Approved methods of grounding of equipment receiving power from ungrounded alternating current power systems.**

The provisions of 30 CFR 77.701-1 (relating to approved methods of grounding of equipment receiving power from ungrounded alternating current power systems) are incorporated by reference.

**Authority**

The provisions of this § 208.214 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.214 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.215. Approved methods of grounding metallic frames, casings and other enclosures of electric equipment receiving power from a direct-current power system.**

The provisions of 30 CFR 77.701-2 (relating to approved methods of grounding metallic frames, casings, and other enclosures of electric equipment receiving power from a direct-current power system) are incorporated by reference.

**Authority**

The provisions of this § 208.215 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.215 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.216. Grounding wires; capacity.**

The provisions of 30 CFR 77.701-3 (relating to grounding wires; capacity) are incorporated by reference.

**Authority**

The provisions of this § 208.216 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.216 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.217. Use of grounding connectors.**

The provisions of 30 CFR 77.701-4 (relating to use of grounding connectors) are incorporated by reference.

**Authority**

The provisions of this § 208.217 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.217 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.218. Protection other than grounding.**

The provisions of 30 CFR 77.702 (relating to protection other than grounding) are incorporated by reference.

**Authority**

The provisions of this § 208.218 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.218 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.219. Grounding frames of stationary high-voltage equipment receiving power from ungrounded delta systems.**

The provisions of 30 CFR 77.703 (relating to grounding frames of stationary high-voltage equipment receiving power from ungrounded delta systems) are incorporated by reference.

**Authority**

The provisions of this § 208.219 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.219 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.220. Approved methods of grounding.**

The provisions of 30 CFR 77.703-1 (relating to approved methods of grounding) are incorporated by reference.

**Authority**

The provisions of this § 208.220 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.220 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.221. Work on high-voltage lines; de-energizing and grounding.**

The provisions of 30 CFR 77.704 (relating to work on high-voltage lines; deenergizing and grounding) are incorporated by reference.

**Authority**

The provisions of this § 208.221 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.221 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.222. Work on high-voltage lines.**

The provisions of 30 CFR 77.704-1 (relating to work on high-voltage lines) are incorporated by reference.

**Authority**

The provisions of this § 208.222 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.222 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.223. Repairs to energized high-voltage lines.**

The provisions of 30 CFR 77.704-2 (relating to repairs to energized high-voltage lines) are incorporated by reference.

**Authority**

The provisions of this § 208.223 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.223 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.224. Work on energized high-voltage surface lines; reporting.**

The provisions of 30 CFR 77.704-3 (relating to work on energized high-voltage surface lines; reporting) are incorporated by reference.

**Authority**

The provisions of this § 208.224 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.224 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.225. Simultaneous repairs.**

The provisions of 30 CFR 77.704-4 (relating to simultaneous repairs) are incorporated by reference.

**Authority**

The provisions of this § 208.225 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.225 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.226. Installation of protective equipment.**

The provisions of 30 CFR 77.704-5 (relating to installation of protective equipment) are incorporated by reference.

**Authority**

The provisions of this § 208.226 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.226 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.227. Protective clothing; use and inspection.**

The provisions of 30 CFR 77.704-6 (relating to protective clothing; use and inspection) are incorporated by reference.

**Authority**

The provisions of this § 208.227 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.227 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.228. Protective equipment; inspection.**

The provisions of 30 CFR 77.704-7 (relating to protective equipment; inspection) are incorporated by reference.

**Authority**

The provisions of this § 208.228 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.228 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.229. Protective equipment; testing and storage.**

The provisions of 30 CFR 77.704-8 (relating to protective equipment; testing and storage) are incorporated by reference.

**Authority**

The provisions of this § 208.229 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.229 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.230. Operating disconnecting or cutout switches.**

The provisions of 30 CFR 77.704-9 (relating to operating disconnecting or cut-out switches) are incorporated by reference.

**Authority**

The provisions of this § 208.230 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.230 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.231. Tying into energized high-voltage surface circuits.**

The provisions of 30 CFR 77.704-10 (relating to tying into energized high-voltage surface circuits) are incorporated by reference.

**Authority**

The provisions of this § 208.231 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.231 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.232. Use of grounded messenger wires; ungrounded systems.**

The provisions of 30 CFR 77.704-11 (relating to use of grounded messenger wires; ungrounded systems) are incorporated by reference.

**Authority**

The provisions of this § 208.232 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.232 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.233. Guy wires; grounding.**

The provisions of 30 CFR 77.705 (relating to guy wires; grounding) are incorporated by reference.



**Authority**

The provisions of this § 208.233 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.233 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**SURFACE HIGH-VOLTAGE DISTRIBUTION**

**§ 208.241. High-voltage circuits; circuit breakers.**

The provisions of 30 CFR 77.800 (relating to high-voltage circuits; circuit breakers) are incorporated by reference.

**Authority**

The provisions of this § 208.241 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.241 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.242. Testing, examination and maintenance of circuit breakers; procedures.**

The provisions of 30 CFR 77.800-1 (relating to testing, examination, and maintenance of circuit breakers; procedures) are incorporated by reference.

**Authority**

The provisions of this § 208.242 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.242 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.243. Testing, examination and maintenance of circuit breakers; record.**

The provisions of 30 CFR 77.800-2 (relating to testing, examination, and maintenance of circuit breakers; record) are incorporated by reference.

**Authority**

The provisions of this § 208.243 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.243 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.244. Grounding resistors.**

The provisions of 30 CFR 77.801 (relating to grounding resistors) are incorporated by reference.

**Authority**

The provisions of this § 208.244 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.244 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.245. Grounding resistors; continuous current rating.**

The provisions of 30 CFR 77.801-1 (relating to grounding resistors; continuous current rating) are incorporated by reference.

**Authority**

The provisions of this § 208.245 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.245 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.246. Protection of high-voltage circuits; neutral grounding resistors; disconnecting devices.**

The provisions of 30 CFR 77.802 (relating to protection of high-voltage circuits; neutral grounding resistors; disconnecting devices) are incorporated by reference.

**Authority**

The provisions of this § 208.246 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.246 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.247. Fail safe ground check circuits on high-voltage resistance grounded systems.**

The provisions of 30 CFR 77.803 (relating to fail safe ground check circuits on high-voltage resistance grounded systems) are incorporated by reference.

**Authority**

The provisions of this § 208.247 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.247 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.248. Fail safe ground check circuits; maximum voltage.**

The provisions of 30 CFR 77.803-1 (relating to fail safe ground check circuits; maximum voltage) are incorporated by reference.

**Authority**

The provisions of this § 208.248 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.248 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.249. Ground check systems not employing pilot check wires; approval by the Secretary of the United States Department of Labor.**

The provisions of 30 CFR 77.803-2 (relating to ground check systems not employing pilot check wires; approval by the Secretary) are incorporated by reference.

**Authority**

The provisions of this § 208.249 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.249 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.250. High-voltage trailing cables; minimum design requirements.**

The provisions of 30 CFR 77.804 (relating to high-voltage trailing cables; minimum design requirements) are incorporated by reference.

**Authority**

The provisions of this § 208.250 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.250 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.251. Cable couplers and connection boxes; minimum design requirements.**

The provisions of 30 CFR 77.805 (relating to cable couplers and connection boxes; minimum design requirements) are incorporated by reference.

**Authority**

The provisions of this § 208.251 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.251 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.252. Connection of single-phase loads.**

The provisions of 30 CFR 77.806 (relating to connection of single-phase loads) are incorporated by reference.

**Authority**

The provisions of this § 208.252 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.252 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.253. Installation of high-voltage transmission cables.**

The provisions of 30 CFR 77.807 (relating to installation of high-voltage transmission cables) are incorporated by reference.

**Authority**

The provisions of this § 208.253 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.253 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.254. High-voltage powerlines; clearances above ground.**

The provisions of 30 CFR 77.807-1 (relating to high-voltage powerlines; clearances above ground) are incorporated by reference.

**Authority**

The provisions of this § 208.254 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.254 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.255. Booms and masts; minimum distance from high-voltage lines.**

The provisions of 30 CFR 77.807-2 (relating to booms and masts; minimum distance from high-voltage lines) are incorporated by reference.

**Authority**

The provisions of this § 208.255 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.255 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.256. Movement of equipment; minimum distance from high-voltage lines.**

The provisions of 30 CFR 77.807-3 (relating to movement of equipment; minimum distance from high-voltage lines) are incorporated by reference.

**Authority**

The provisions of this § 208.256 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.256 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.257. Disconnecting devices.**

The provisions of 30 CFR 77.808 (relating to disconnecting devices) are incorporated by reference.

**Authority**

The provisions of this § 208.257 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.257 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.258. Identification of circuit breakers and disconnecting switches.**

The provisions of 30 CFR 77.809 (relating to identification of circuit breakers and disconnecting switches) are incorporated by reference.

**Authority**

The provisions of this § 208.258 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.258 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.259. High-voltage equipment; grounding.**

The provisions of 30 CFR 77.810 (relating to high-voltage equipment; grounding) are incorporated by reference.

**Authority**

The provisions of this § 208.259 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.259 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.260. Movement of portable substations and transformers.**

The provisions of 30 CFR 77.811 (relating to movement of portable substations and transformers) are incorporated by reference.

**Authority**

The provisions of this § 208.260 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.260 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**LOW-VOLTAGE AND MEDIUM-VOLTAGE ALTERNATING CURRENT****§ 208.271. Low-voltage and medium-voltage circuits serving portable or mobile three-phase alternating current equipment; circuit breakers.**

The provisions of 30 CFR 77.900 (relating to low- and medium-voltage circuits serving portable or mobile three-phase alternating current equipment; circuit breakers) are incorporated by reference.

**Authority**

The provisions of this § 208.271 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.271 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.272. Testing, examination and maintenance of circuit breakers; procedures.**

The provisions of 30 CFR 77.900-1 (relating to testing, examination, and maintenance of circuit breakers; procedures) are incorporated by reference.

**Authority**

The provisions of this § 208.272 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.272 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.273. Testing, examination and maintenance of circuit breakers; record.**

The provisions of 30 CFR 77.900-2 (relating to testing, examination, and maintenance of circuit breakers; record) are incorporated by reference.

**Authority**

The provisions of this § 208.273 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.273 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.274. Protection of low-voltage and medium-voltage three-phase circuits.**

The provisions of 30 CFR 77.901 (relating to protection of low- and medium-voltage three-phase circuits) are incorporated by reference.

**Authority**

The provisions of this § 208.274 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.274 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.275. Grounding resistor; continuous current rating.**

The provisions of 30 CFR 77.901-1 (relating to grounding resistor; continuous current rating) are incorporated by reference.

**Authority**

The provisions of this § 208.275 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.275 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.276. Low-voltage and medium-voltage ground check monitor circuits.**

The provisions of 30 CFR 77.902 (relating to low- and medium-voltage ground check monitor circuits) are incorporated by reference.

**Authority**

The provisions of this § 208.276 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.276 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.277. Fail safe ground check circuits; maximum voltage.**

The provisions of 30 CFR 77.902-1 (relating to fail safe ground check circuits; maximum voltage) are incorporated by reference.

**Authority**

The provisions of this § 208.277 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.277 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.278. Approved ground check systems not employing pilot check wires.**

The provisions of 30 CFR 77.902-2 (relating to approved ground check systems not employing pilot check wires) are incorporated by reference.

**Authority**

The provisions of this § 208.278 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.278 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.



**§ 208.279. Attachment of ground conductors and ground check wires to equipment frames; use of separate connections.**

The provisions of 30 CFR 77.902-3 (relating to attachment of ground conductors and ground check wires to equipment frames; use of separate connections) are incorporated by reference.

**Authority**

The provisions of this § 208.279 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.279 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.280. Disconnecting devices.**

The provisions of 30 CFR 77.903 (relating to disconnecting devices) are incorporated by reference.

**Authority**

The provisions of this § 208.280 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.280 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.281. Identification of circuit breakers.**

The provisions of 30 CFR 77.904 (relating to identification of circuit breakers) are incorporated by reference.

**Authority**

The provisions of this § 208.281 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.281 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.282. Connection of single-phase loads.**

The provisions of 30 CFR 77.905 (relating to connection of single-phase loads) are incorporated by reference.

**Authority**

The provisions of this § 208.282 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.282 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.283. Trailing cables supplying power to low-voltage mobile equipment; ground wires and ground check wires.**

The provisions of 30 CFR 77.906 (relating to trailing cables supplying power to low-voltage mobile equipment; ground wires and ground check wires) are incorporated by reference.

**Authority**

The provisions of this § 208.283 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.283 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**GROUND CONTROL****§ 208.291. Highwalls, pits and spoil banks; plans.**

The provisions of 30 CFR 77.1000 (relating to highwalls, pits and spoil banks; plans) are incorporated by reference.

**Authority**

The provisions of this § 208.291 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.291 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.292. Filing of plan.**

The provisions of 30 CFR 77.1000-1 (relating to filing of plan) are incorporated by reference.

**Authority**

The provisions of this § 208.292 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.292 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.293. Stripping; loose material.**

The provisions of 30 CFR 77.1001 (relating to stripping; loose material) are incorporated by reference.

**Authority**

The provisions of this § 208.293 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.293 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.294. Box cuts; spoil material placement.**

The provisions of 30 CFR 77.1002 (relating to box cuts; spoil material placement) are incorporated by reference.

**Authority**

The provisions of this § 208.294 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.294 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.295. Benches.**

The provisions of 30 CFR 77.1003 (relating to benches) are incorporated by reference.

**Authority**

The provisions of this § 208.295 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.295 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.296. Ground control; inspections and maintenance; general.**

The provisions of 30 CFR 77.1004 (relating to ground control; inspection and maintenance; general) are incorporated by reference.

**Authority**

The provisions of this § 208.296 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.296 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.297. Scaling highwalls; general.**

The provisions of 30 CFR 77.1005 (relating to scaling highwalls; general) are incorporated by reference.

**Authority**

The provisions of this § 208.297 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.297 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.298. Highwalls; men working.**

The provisions of 30 CFR 77.1006 (relating to highwalls; men working) are incorporated by reference.

**Authority**

The provisions of this § 208.298 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.298 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.299. Drilling; general.**

The provisions of 30 CFR 77.1007 (relating to drilling; general) are incorporated by reference.

**Authority**

The provisions of this § 208.299 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.299 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.300. Relocation of drills; safeguards.**

The provisions of 30 CFR 77.1008 (relating to relocation of drills; safeguards) are incorporated by reference.

**Authority**

The provisions of this § 208.300 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.300 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.301. Drill; operation.**

The provisions of 30 CFR 77.1009 (relating to drill; operation) are incorporated by reference.

**Authority**

The provisions of this § 208.301 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.301 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.302. Collaring holes.**

The provisions of 30 CFR 77.1010 (relating to collaring holes) are incorporated by reference.

**Authority**

The provisions of this § 208.302 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.302 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.303. Drill holes; guarding.**

The provisions of 30 CFR 77.1011 (relating to drill holes; guarding) are incorporated by reference.

**Authority**

The provisions of this § 208.303 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.303 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.304. Jackhammers; operation; safeguards.**

The provisions of 30 CFR 77.1012 (relating to jackhammers; operation; safeguards) are incorporated by reference.

**Authority**

The provisions of this § 208.304 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.304 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.305. Air drills; safeguards.**

The provisions of 30 CFR 77.1013 (relating to air drills; safeguards) are incorporated by reference.

**Authority**

The provisions of this § 208.305 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.305 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**FIRE PROTECTION****§ 208.311. Fire protection; training and organization.**

The provisions of 30 CFR 77.1100 (relating to fire protection; training and organization) are incorporated by reference.

**Authority**

The provisions of this § 208.311 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.311 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.312. Escape and evacuation; plan.**

The provisions of 30 CFR 77.1101 (relating to escape and evacuation; plan) are incorporated by reference.

**Authority**

The provisions of this § 208.312 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

208-62

**Source**

The provisions of this § 208.312 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.313. Warning signs; smoking and open flame.**

The provisions of 30 CFR 77.1102 (relating to warning signs; smoking and open flame) are incorporated by reference.

**Authority**

The provisions of this § 208.313 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.313 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.314. Flammable liquids; storage.**

The provisions of 30 CFR 77.1103 (relating to flammable liquids; storage) are incorporated by reference.

**Authority**

The provisions of this § 208.314 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.314 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.315. Accumulations of combustible materials.**

The provisions of 30 CFR 77.1104 (relating to accumulations of combustible materials) are incorporated by reference.

**Authority**

The provisions of this § 208.315 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.315 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.316. Internal combustion engines; fueling.**

The provisions of 30 CFR 77.1105 (relating to internal combustion engines; fueling) are incorporated by reference.

**Authority**

The provisions of this § 208.316 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.316 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.317. Battery-charging stations; ventilation.**

The provisions of 30 CFR 77.1106 (relating to battery-charging stations; ventilation) are incorporated by reference.

**Authority**

The provisions of this § 208.317 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.317 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.318. Belt conveyors.**

The provisions of 30 CFR 77.1107 (relating to belt conveyors) are incorporated by reference.

**Authority**

The provisions of this § 208.318 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.318 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.319. Firefighting equipment; requirements; general.**

The provisions of 30 CFR 77.1108 (relating to firefighting equipment; requirements; general) are incorporated by reference.

**Authority**

The provisions of this § 208.319 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.319 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.



**§ 208.320. Type and capacity of firefighting equipment.**

The provisions of 30 CFR 77.1108-1 (relating to type and capacity of firefighting equipment) are incorporated by reference.

**Authority**

The provisions of this § 208.320 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.320 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.321. Quantity and location of firefighting equipment.**

The provisions of 30 CFR 77.1109 (relating to quantity and location of firefighting equipment) are incorporated by reference.

**Authority**

The provisions of this § 208.321 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.321 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.322. Examination and maintenance of firefighting equipment.**

The provisions of 30 CFR 77.1110 (relating to examination and maintenance of firefighting equipment) are incorporated by reference.

**Authority**

The provisions of this § 208.322 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.322 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.323. Welding, cutting and soldering; use of fire extinguisher.**

The provisions of 30 CFR 77.1111 (relating to welding, cutting, soldering; use of fire extinguisher) are incorporated by reference.

**Authority**

The provisions of this § 208.323 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.323 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.324. Welding, cutting or soldering with arc or flame; safeguards.**

The provisions of 30 CFR 77.1112 (relating to welding, cutting, soldering with arc or flame; safeguards) are incorporated by reference.

**Authority**

The provisions of this § 208.324 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.324 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**MAPS****§ 208.331. Mine map.**

The provisions of 30 CFR 77.1200 (relating to mine map) are incorporated by reference.

**Authority**

The provisions of this § 208.331 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.331 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.332. Certification of mine maps.**

The provisions of 30 CFR 77.1201 (relating to certification of mine maps) are incorporated by reference.

**Authority**

The provisions of this § 208.332 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.332 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.333. Availability of mine map.**

The provisions of 30 CFR 77.1202 (relating to availability of mine map) are incorporated by reference.

**Authority**

The provisions of this § 208.333 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.333 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**PERSONNEL HOISTING**

**§ 208.341. Personnel hoists and elevators.**

The provisions of 30 CFR 77.1400 (relating to personnel hoists and elevators) are incorporated by reference.

**Authority**

The provisions of this § 208.341 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.341 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.342. Automatic controls and brakes.**

The provisions of 30 CFR 77.1401 (relating to automatic controls and brakes) are incorporated by reference.

**Authority**

The provisions of this § 208.342 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.342 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.343. Rated capacity.**

The provisions of 30 CFR 77.1402 (relating to rated capacity) are incorporated by reference.

**Authority**

The provisions of this § 208.343 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.343 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

208-67

**§ 208.344. Maximum load; posting.**

The provisions of 30 CFR 77.1402-1 (relating to maximum load; posting) are incorporated by reference.

**Authority**

The provisions of this § 208.344 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.344 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.345. Daily examination of hoisting equipment.**

The provisions of 30 CFR 77.1403 (relating to daily examination of hoisting equipment) are incorporated by reference.

**Authority**

The provisions of this § 208.345 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.345 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.346. Certifications and records of daily examinations.**

The provisions of 30 CFR 77.1404 (relating to certifications and records of daily examinations) are incorporated by reference.

**Authority**

The provisions of this § 208.346 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.346 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.347. Operation of hoisting equipment after repairs.**

The provisions of 30 CFR 77.1405 (relating to operation of hoisting equipment after repairs) are incorporated by reference.

**Authority**

The provisions of this § 208.347 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.347 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**WIRE ROPES**

**§ 208.351. Wire ropes; scope.**

The provisions of 30 CFR 77.1430 (relating to wire ropes; scope) are incorporated by reference.

**Authority**

The provisions of this § 208.351 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.351 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.352. Minimum rope strength.**

The provisions of 30 CFR 77.1431 (relating to minimum rope strength) are incorporated by reference.

**Authority**

The provisions of this § 208.352 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.352 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.353. Initial measurement.**

The provisions of 30 CFR 77.1432 (relating to initial measurement) are incorporated by reference.

**Authority**

The provisions of this § 208.353 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.353 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.354. Examinations.**

The provisions of 30 CFR 77.1433 (relating to examinations) are incorporated by reference.

**Authority**

The provisions of this § 208.354 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.354 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.355. Retirement criteria.**

The provisions of 30 CFR 77.1434 (relating to retirement criteria) are incorporated by reference.

**Authority**

The provisions of this § 208.355 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.355 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.356. Load end attachments.**

The provisions of 30 CFR 77.1435 (relating to load end attachments) are incorporated by reference.

**Authority**

The provisions of this § 208.356 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.356 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.357. Drum end attachment.**

The provisions of 30 CFR 77.1436 (relating to drum end attachment) are incorporated by reference.

**Authority**

The provisions of this § 208.357 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.357 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

208-70

**§ 208.358. End attachment retermination.**

The provisions of 30 CFR 77.1437 (relating to end attachment retermination) are incorporated by reference.

**Authority**

The provisions of this § 208.358 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.358 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.359. End attachment replacement.**

The provisions of 30 CFR 77.1438 (relating to end attachment replacement) are incorporated by reference.

**Authority**

The provisions of this § 208.359 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.359 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**LOADING AND HAULAGE**

**§ 208.361. Loading and haulage; general.**

The provisions of 30 CFR 77.1600 (relating to loading and haulage; general) are incorporated by reference.

**Authority**

The provisions of this § 208.361 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.361 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.362. Transportation of persons; restrictions.**

The provisions of 30 CFR 77.1601 (relating to transportation of persons; restrictions) are incorporated by reference.

**Authority**

The provisions of this § 208.362 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.362 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.363. Trains and locomotives; authorized persons.**

The provisions of 30 CFR 77.1603 (relating to trains and locomotives; authorized persons) are incorporated by reference.

**Authority**

The provisions of this § 208.363 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.363 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.364. Transportation of persons; overcrowding.**

The provisions of 30 CFR 77.1604 (relating to transportation of persons; overcrowding) are incorporated by reference.

**Authority**

The provisions of this § 208.364 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.364 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.365. Loading and haulage equipment; installations.**

The provisions of 30 CFR 77.1605 (relating to loading and haulage equipment; installations) are incorporated by reference.

**Authority**

The provisions of this § 208.365 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.365 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.366. Loading and haulage equipment; inspection and maintenance.**

The provisions of 30 CFR 77.1606 (relating to loading and haulage equipment; inspection and maintenance) are incorporated by reference.



**Authority**

The provisions of this § 208.366 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.366 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.367. Loading and haulage equipment; operation.**

The provisions of 30 CFR 77.1607 (relating to loading and haulage equipment; operation) are incorporated by reference.

**Authority**

The provisions of this § 208.367 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.367 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.368. Dumping facilities.**

The provisions of 30 CFR 77.1608 (relating to dumping facilities) are incorporated by reference.

**Authority**

The provisions of this § 208.368 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.368 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**MISCELLANEOUS**

**§ 208.371. Communications in work areas.**

The provisions of 30 CFR 77.1700 (relating to communications in work areas) are incorporated by reference.

**Authority**

The provisions of this § 208.371 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.371 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.372. First aid equipment; location; minimum requirements.**

The provisions of 30 CFR 77.1707 (relating to first aid equipment; location; minimum requirements) are incorporated by reference.

**Authority**

The provisions of this § 208.372 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.372 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.373. Protective clothing; requirements.**

The provisions of 30 CFR 77.1710 (relating to protective clothing; requirements) are incorporated by reference.

**Authority**

The provisions of this § 208.373 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.373 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.374. Distinctively colored hard hats or hard caps; identification for newly employed, inexperienced miners.**

The provisions of 30 CFR 77.1710-1 (relating to distinctively colored hard hats or hard caps; identification for newly employed, inexperienced miners) are incorporated by reference.

**Authority**

The provisions of this § 208.374 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.374 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.375. Smoking prohibition.**

The provisions of 30 CFR 77.1711 (relating to smoking prohibition) are incorporated by reference.

**Authority**

The provisions of this § 208.375 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.375 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**TROLLEY WIRES AND TROLLEY FEEDER WIRES**

**§ 208.381. Cutout switches.**

The provisions of 30 CFR 77.1800 (relating to cutout switches) are incorporated by reference.

**Authority**

The provisions of this § 208.381 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.381 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.382. Overcurrent protection.**

The provisions of 30 CFR 77.1801 (relating to overcurrent protection) are incorporated by reference.

**Authority**

The provisions of this § 208.382 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.382 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.383. Devices for overcurrent protection.**

The provisions of 30 CFR 77.1801-1 (relating to devices for overcurrent protection) are incorporated by reference.

**Authority**

The provisions of this § 208.383 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.383 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

208-75

**§ 208.384. Insulation of trolley wires, trolley feeder wires and bare signal wires; guarding of trolley wires and trolley feeder wires.**

The provisions of 30 CFR 77.1802 (relating to insulation of trolley wires, trolley feeder wires and bare signal wires; guarding of trolley wires and trolley feeder wires) are incorporated by reference.

**Authority**

The provisions of this § 208.384 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.384 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**SLOPE AND SHAFT SINKING**

**§ 208.391. Slopes and shafts; approval of plans.**

The provisions of 30 CFR 77.1900 (relating to slopes and shafts; approval of plans) are incorporated by reference, with the following addition:

The Department will approve plans relating to slope and shaft sinking and construction.

**Authority**

The provisions of this § 208.391 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.391 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.392. Compliance with approved slope and shaft sinking plans.**

The provisions of 30 CFR 77.1900-1 (relating to compliance with approved slope and shaft sinking plans) are incorporated by reference.

**Authority**

The provisions of this § 208.392 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.392 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.393. Preshift and onshift inspections; reports.**

The provisions of 30 CFR 77.1901 (relating to preshift and onshift inspections; reports) are incorporated by reference.

**Authority**

The provisions of this § 208.393 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.393 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.394. Methane and oxygen deficiency tests; approved devices.**

The provisions of 30 CFR 77.1901-1 (relating to methane and oxygen deficiency tests; approved devices) are incorporated by reference.

**Authority**

The provisions of this § 208.394 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.394 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.395. Drilling and mucking operations.**

The provisions of 30 CFR 77.1902 (relating to drilling and mucking operations) are incorporated by reference.

**Authority**

The provisions of this § 208.395 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.395 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.396. Permissible diesel-powered equipment.**

The provisions of 30 CFR 77.1902-1 (relating to permissible diesel-powered equipment) are incorporated by reference.

**Authority**

The provisions of this § 208.396 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.396 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

208-77

**§ 208.397. Hoists and hoisting; minimum requirements.**

The provisions of 30 CFR 77.1903 (relating to hoists and hoisting; minimum requirements) are incorporated by reference.

**Authority**

The provisions of this § 208.397 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.397 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.398. Communications between slope and shaft bottoms and hoist operators.**

The provisions of 30 CFR 77.1904 (relating to communications between slope and shaft bottoms and hoist operators) are incorporated by reference.

**Authority**

The provisions of this § 208.398 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.398 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.399. Hoist safeguards; general.**

The provisions of 30 CFR 77.1905 (relating to hoist safeguards; general) are incorporated by reference.

**Authority**

The provisions of this § 208.399 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.399 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.400. Hoists; daily inspection.**

The provisions of 30 CFR 77.1906 (relating to hoists; daily inspection) are incorporated by reference.

**Authority**

The provisions of this § 208.400 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.400 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.401. Hoist construction; general.**

The provisions of 30 CFR 77.1907 (relating to hoist construction; general) are incorporated by reference.

**Authority**

The provisions of this § 208.401 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.401 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.402. Hoist installations; use.**

The provisions of 30 CFR 77.1908 (relating to hoist installations; use) are incorporated by reference.

**Authority**

The provisions of this § 208.402 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.402 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.403. Hoist operation; qualified hoistman.**

The provisions of 30 CFR 77.1908-1 (relating to hoist operation; qualified hoistman) are incorporated by reference.

**Authority**

The provisions of this § 208.403 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.403 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.404. Explosives and blasting; use of permissible explosives and shot-firing units.**

The provisions of 30 CFR 77.1909 (relating to explosives and blasting; use of permissible explosives and shot-firing units) are incorporated by reference.

**Authority**

The provisions of this § 208.404 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.404 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.405. Use of nonpermissible explosives and nonpermissible shot-firing units; approval by Health and Safety District Manager.**

The provisions of 30 CFR 77.1909-1 (relating to use of nonpermissible explosives and nonpermissible shot-firing units; approval by Health and Safety District Manager) are incorporated by reference.

**Authority**

The provisions of this § 208.405 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.405 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.406. Explosives and blasting; general.**

The provisions of 30 CFR 77.1910 (relating to explosives and blasting; general) are incorporated by reference, with the exception of the following modification:

(b) All explosive materials, detonators and any other related blasting material employed in the development of any slope or shaft shall be stored, transported, carried, charged and fired in accordance with Chapters 210 and 211 (relating to blasters' licenses; and storage, handling and use of explosives). Except as provided in paragraph (c) of this section, all shots shall be fired from the surface.

**Authority**

The provisions of this § 208.406 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.406 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.407. Ventilation of slopes and shafts.**

The provisions of 30 CFR 77.1911 (relating to ventilation of slopes and shafts) are incorporated by reference.



**Authority**

The provisions of this § 208.407 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.407 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.408. Ladders and stairways.**

The provisions of 30 CFR 77.1912 (relating to ladders and stairways) are incorporated by reference.

**Authority**

The provisions of this § 208.408 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.408 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.409. Fire-resistant wood.**

The provisions of 30 CFR 77.1913 (relating to fire-resistant wood) are incorporated by reference.

**Authority**

The provisions of this § 208.409 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.409 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.410. Electrical equipment.**

The provisions of 30 CFR 77.1914 (relating to electrical equipment) are incorporated by reference.

**Authority**

The provisions of this § 208.410 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.410 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.411. Storage and handling of combustible materials.**

The provisions of 30 CFR 77.1915 (relating to storage and handling of combustible materials) are incorporated by reference.

**Authority**

The provisions of this § 208.411 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.411 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**§ 208.412. Welding, cutting and soldering; fire protection.**

The provisions of 30 CFR 77.1916 (relating to welding, cutting, and soldering; fire protection) are incorporated by reference.

**Authority**

The provisions of this § 208.412 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P. S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.412 adopted December 18, 2015, effective December 19, 2015, 45 Pa.B. 7139.

**CABLE SAFETY****§ 208.600. Sensitive ground fault.**

All three-phase electrically operated equipment operated on a working section in by the last open crosscut must receive power from a circuit equipped with a sensitive ground fault protection as specified in this section.

(1) *Sensitive ground fault.*

(i) A sensitive ground fault protective device must be connected so that the associated circuit will be instantaneously interrupted upon the occurrence of a ground fault which may not exceed 300 milli-amperes nominally.

(ii) A sensitive ground fault protective device on these circuits on equipment utilizing variable speed drives must be connected so that the associated circuit will be instantaneously interrupted upon the occurrence of a ground fault which may not exceed 300 milli-amperes nominally. If nuisance tripping occurs on these circuits, the devices shall be permitted to be adjusted to the minimum setting necessary to prevent nuisance tripping. In no case shall a device be adjusted greater than the lower value of 500 milli-amperes or 1/2 of the neutral ground resistor's current rating.

(iii) The secondary main circuit breaker protecting any sensitive ground fault circuit subject to this section must also provide backup sensitive ground fault protection. Relay settings may include a short time delay (250mS) or a higher current setting, or both, to provide coordination. In no case shall a

device be adjusted greater than the lower value of 500 milli-amperes or 1/2 of the neutral ground resistor's current rating.

(2) *Implementation schedule.* This section is effective January 13, 2018, for load centers that power equipment that operates inby the last open crosscut and that are purchased after January 13, 2018, and load centers that are rebuilt at new mines after January 13, 2018. For load centers that power equipment that operates inby the last open crosscut that are located in or at a mine on January 13, 2018, sensitive ground fault protection shall be installed by January 13, 2023.

**Authority**

The provisions of this § 208.600 issued under sections 106 and 106.1 of the Bituminous Coal Mine Safety Act (52 P.S. §§ 690-106 and 690-106.1).

**Source**

The provisions of this § 208.600 adopted January 12, 2018, effective January 13, 2018, 48 Pa.B. 251.

[Next page is 209-1.]

208-84

(389870) No. 521 Apr. 18

*Copyright © 2018 Commonwealth of Pennsylvania*