§ 56.13001 General requirements for boilers and pressure vessels.

All boilers and pressure vessels shall be constructed, installed, and main-
tained in accordance with the stand-
ards and specifications of the American
Society of Mechanical Engineers Boiler
and Pressure Vessel Code.

§ 56.13010 Reciprocating-type air com-
pressors.

(a) Reciprocating-type air compres-
sors rated over 10 horsepower shall be
equipped with automatic temperature-
actuated shutoff mechanisms which
shall be set or adjusted to the com-
pressor when the normal operating
temperature is exceeded by more than
25 percent.

(b) However, this standard does not
apply to reciprocating-type air compres-
sors rated over 10 horsepower if
equipped with fusible plugs that were
installed in the compressor discharge
lines before November 15, 1979, and de-
digned to melt at temperatures at least
50 degrees below the flash point of the
compressors’ lubricating oil.

§ 56.13011 Air receiver tanks.

Air receiver tanks shall be equipped
with one or more automatic pressure-
relief valves. The total relieving capa-
city of the relief valves shall prevent
pressure from exceeding the maximum
allowable working pressure in a re-
ceiver tank by not more than 10 per-
cent. Air receiver tanks also shall be
equipped with indicating pressure
gauges which accurately measure the
pressure within the air receiver tanks.

§ 56.13012 Compressor air intakes.

Compressor air intakes shall be in-
stalled to ensure that only clean,
uncontaminated air enters the com-
pressors.

§ 56.13015 Inspection of compressed-
air receivers and other unfired
pressure vessels.

(a) Compressed-air receivers and
other unfired pressure vessels shall be
inspected by inspectors holding a valid
National Board Commission and in ac-
cordance with the applicable chapters
of the National Board Inspection Code,
a Manual for Boiler and Pressure Vess-
el Inspectors, 1979. This code is incor-
porated by reference and made a part
of this standard. It may be examined at
any Metal and Nonmetal Mine Safety
and Health District Office of the Mine
Safety and Health Administration, and
may be obtained from the publisher,
the National Board of Boiler and Pres-
sure Vessel Inspector, 1055 Crupper Av-
venue, Columbus, Ohio 43229.

(b) Records of inspections shall be
kept in accordance with requirements
of the National Board Inspection Code,
and the records shall be made available
to the Secretary or his authorized rep-
resentative.

§ 56.13017 Compressor discharge
pipes.

Compressor discharge pipes where
carbon build-up may occur shall be
cleaned periodically as recommended
by the manufacturer, but no less fre-
quently than once every two years.

§ 56.13019 Pressure system repairs.

Repairs involving the pressure sys-
tem of compressors, receivers, or com-
pressed-air-powered equipment shall
not be attempted until the pressure has
been bled off.

§ 56.13020 Use of compressed air.

At no time shall compressed air be
directed toward a person. When com-
pressed air is used, all necessary pre-
cautions shall be taken to protect per-
sons from injury.

§ 56.13021 High-pressure hose con-
nections.

Except where automatic shutoff
valves are used, safety chains or other
suitable locking devices shall be used
at connections to machines of high-
pressure hose lines of ¾-inch inside di-
ameter or larger, and between high-
pressure hose lines of ¾-inch inside di-
ameter or larger, where a connection
failure would create a hazard.

§ 56.13030 Boilers.

(a) Fired pressure vessels (boilers)
shall be equipped with water level
Mine Safety and Health Admin., Labor § 56.14000

gauges, pressure gauges, automatic pressure-relief valves, blowdown piping, and other safety devices approved by the American Society of Mechanical Engineers to protect against hazards from overpressure, flameouts, fuel interruptions and low water level, all as required by the appropriate sections, chapters and appendices listed in paragraphs (b) (1) and (2) of this section.

(b) These gauges, devices and piping shall be designed, installed, operated, maintained, repaired, altered, inspected, and tested by inspectors holding a valid National Board Commission and in accordance with the following listed sections, chapters and appendices:

(1) The ASME Boiler and Pressure Vessel Code, 1977, Published by the American Society of Mechanical Engineers.

(2) The National Board Inspection Code, a Manual for Boiler and Pressure Vessel Inspectors, 1979, published by the National Board of Boiler and Pressure Vessel Inspectors.

SECTION AND TITLE

I Power Boilers.
II Material Specifications—Part A—Ferrous.
II Material Specifications—Part B—Nonferrous.
IV Heating Boilers
V Nondestructive Examination
VI Recommended Rules for Care and Operation of Heating Boilers
VII Recommended Rules for Care of Power Boilers

(c) Records of inspections and repairs shall be kept in accordance with the requirements of the ASME Boiler and Pressure Vessel Code and the National Board Inspection Code. The records shall be made available to the Secretary or his authorized representative.

(d) Sections of the ASME Boiler and Pressure Vessel Code, 1977, listed in paragraph (b)(1) of this section, and chapters and appendices of the National Board Inspection Code, 1979, listed in paragraph (b)(2) of this section, are incorporated by reference and made a part of this standard. These publications may be obtained from the publishers, the American Society of Mechanical Engineers, 22 Law Drive, P.O. Box 2900, Fairfield, New Jersey 07007, Phone: 800-843-2763 (toll free); http://www.asme.org, and the National Board of Boiler and Pressure Vessel Inspectors, 1055 Grupper Avenue, Columbus, Ohio 43229. The publications may be examined at any Metal and Nonmetal Mine Safety and Health District Office of the Mine Safety and Health Administration.

[50 FR 4054, Jan. 29, 1985, as amended at 71 FR 16667, Apr. 3, 2006]

Subpart M—Machinery and Equipment

SOURCE: 53 FR 32521, Aug. 25, 1988, unless otherwise noted.

§ 56.14000 Definitions.

The following definitions apply in this subpart.

Travelway. A passage, walk, or way regularly used or designated for persons to go from one place to another.