

Oregon OSHA – Adopted Changes
Oregon OSHA Administrative Order 7-2012
Filed and Effective December 14, 2012

Federal OSHA Corrections, Technical Amendments, and
Updates in General Industry, Construction, and Maritime

Text removed is in [~~brackets with line through~~].

Text added is in **bold and underlined**.

Links to the Federal Registers referenced for this rulemaking:

June 22, 2012 Federal Register

http://www.osha.gov/FedReg_oshapdf/FED20120622A.pdf

July 23, 2012 Federal Register

http://www.osha.gov/FedReg_oshapdf/FED20120723A.pdf

August 7, 2012 Federal Register

http://www.osha.gov/FedReg_oshapdf/FED20120807.pdf

DIVISION 2 – GENERAL INDUSTRY

Division 2/A, General

437-002-0005

Adoption by Reference. In addition to, and not in lieu of, any other safety and health codes contained in OAR Chapter 437, the Department adopts by reference the following federal regulations printed as part of the Code of Federal Regulations, 29 CFR 1910, in the Federal Register:

(1) 29 CFR 1910.1, Purpose and scope; published 6/27/74, Federal Register, vol. 39, no. 125, p. 23503.

- (2) 29 CFR 1910.2, Definitions; published 6/27/74, Federal Register, vol. 39, no. 125, p. 23503.
- (3) 29 CFR 1910.3, Petitions for the issuance, amendment, or repeal of a standard; published 6/27/74, Federal Register, vol. 39, no. 125, p. 23503.
- (4) 29 CFR 1910.4, Amendments to this part; published 6/27/74, Federal Register, vol. 39, no. 125, p. 23503.
- (5) 29 CFR 1910.5, Applicability of standards; published 6/30/93, FR vol. 58, no. 124, p. 35308.
- (6) 29 CFR 1910.6, Incorporation by reference; published [~~3/26/12, FR vol. 77, no. 58, p. 17574~~]**6/22/12, FR vol. 77, no. 121, p. 37587.**
- (7) 29 CFR 1910.7, Definition and requirements for a Nationally Recognized Testing Laboratory; published 5/11/88, FR vol. 53, no. 91, p. 16838.
- (8) 29 CFR 1910.9, Compliance duties owed to each employee; published 12/12/08, Federal Register, vol. 73, no. 240, pp. 75568-75589.

These standards are on file at the Oregon Occupational Safety and Health Division, Oregon Department of Consumer and Business Services, and the United States Government Printing Office.

Stat. Auth.: ORS 654.025(2) and 656.726(4).

Stat. Implemented: ORS 654.001 through 654.295.

Hist: APD Admin. Order 17-1988, f. 11/10/88, ef. 11/10/88.

OR-OSHA Admin. Order 4-1997, f. 4/2/97, ef. 4/2/97.

OR-OSHA Admin. Order 8-1999, f. 8/6/99, ef. 8/6/99.

OR-OSHA Admin. Order 4-2005, f. 12/14/05, ef. 12/14/05.

OR-OSHA Admin. Order 4-2007, f. 8/15/07, ef. 8/15/07.

OR-OSHA Admin. Order 7-2008, f. 5/30/08, ef. 5/30/08.

OR-OSHA Admin. Order 5-2009, f. 5/29/09, ef. 5/29/09.

OR-OSHA Admin. Order 1-2010, f. 2/19/10, ef. 2/19/10.

OR-OSHA Admin. Order 2-2010, f. 2/25/10, ef. 2/25/10.

OR-OSHA Admin. Order 4-2011, f. 12/8/11, ef. 12/8/11.

OR-OSHA Admin. Order 5-2012, f. 9/25/12, ef. 9/25/12.

OR-OSHA Admin. Order 7-2012, f. 12/14/12, ef. 12/14/12.

Division 2/I, Personal Protective Equipment

437-002-0120

Adoption by Reference. In addition to, and not in lieu of, any other health and safety codes contained in OAR Chapter 437, the Department adopts by reference the following federal regulations printed as part of the Code of Federal Regulations, 29 CFR 1910, in the Federal Register:

(1) 29 CFR 1910.132 General requirements. Repealed with Oregon OSHA Admin. Order 4-2011, filed and effective 12/8/11. In Oregon, OAR 437-002-0134 applies.

(2) 29 CFR 1910.133 Eye and face protection. Repealed with Oregon OSHA Admin. Order 4-2011, filed and effective 12/8/11. In Oregon, OAR 437-002-0134 applies.

(3) 29 CFR 1910.134 Respiratory protection, published [~~6/8/11, Federal Register vol 76, no. 110, p. 33590~~]**8/7/12, FR vol. 77, no. 152, p. 46948.**

(4) 29 CFR 1910.135 Occupational head protection. Repealed with Oregon OSHA Admin. Order 4-2011, filed and effective 12/8/11. In Oregon, OAR 437-002-0134 applies.

(5) 29 CFR 1910.136 Occupational foot protection. Repealed with Oregon OSHA Admin. Order 4-2011, filed and effective 12/8/11. In Oregon, OAR 437-002-0134 applies.

(6) 29 CFR 1910.137 Electrical protective equipment, published 1/31/94, FR vol. 59, no. 20, pp. 4435-7.

(7) 29 CFR 1910.138 Hand Protection. Repealed with Oregon OSHA Admin. Order 4-2011, filed and effective 12/8/11. In Oregon, OAR 437-002-0134 applies.

(8) 29 CFR 1910.139 Respiratory protection for M. tuberculosis. Removed, 12/3/03, FR vol. 68, p. 75776-75780 (OR-OSHA Admin. Order 1-2004, f. 3/26/04, ef. 7/1/04).

(9) Appendices.

Appendix A – References for further information (nonmandatory).

Appendix B – Nonmandatory compliance guidelines for hazard assessment and personal protective equipment selection; amended with OR-OSHA Admin. Order 1-2012, f. and ef. 4/10/12.

These standards are available from the Oregon Occupational Safety and Health Division (OR-OSHA), Department of Consumer and Business Services; and the United States Government Printing Office.

Stat. Auth.: ORS 654.025(2) and 656.726(4).

Stats. Implemented: ORS 654.001 through 654.295

Hist: OR-OSHA Admin. Order 9-1993, f. 7/29/93, ef. 9/15/93.

OR-OSHA Admin. Order 3-1994, f. 8/1/94, ef. 8/1/94.

OR-OSHA Admin. Order 5-1994, f. 9/30/94 ef. 9/30/94.

OR-OSHA Admin. Order 3-1997, f. 3/28/97 ef. 3/28/97.

OR-OSHA Admin. Order 4-1997, f. 4/2/97, ef. 4/2/97.

OR-OSHA Admin. Order 3-1998, f. 7/7/98, ef. 7/7/98.

OR-OSHA Admin. Order 12-2001, f. 10/26/01, ef. 10/26/01.

OR-OSHA Admin. Order 1-2004, f. 3/26/04, ef. 7/1/04.

OR-OSHA Admin. Order 5-2004, f. 11/19/04, ef. 11/19/04.

OR-OSHA Admin. Order 10-2006, f. 11/30/06, ef. 11/30/06.

OR-OSHA Admin. Order 5-2008, f. 5/1/08, ef. 5/15/08.

OR-OSHA Admin. Order 5-2009, f. 5/29/09, ef. 5/29/09.

OR-OSHA Admin. Order 2-2010, f. 2/25/10, ef. 2/25/10.

OR-OSHA Admin. Order 4-2011, f. 12/8/11, ef. 12/8/11.

OR-OSHA Admin. Order 1-2012, f. 4/10/12, ef. 4/10/12.

OR-OSHA Admin. Order X-2012, f. X/X/12, ef. X/X/12.

NOTE: The 6/22/12 Federal Register amended 1910.135, which Oregon repealed 12/8/11. Therefore, no amendment will be made by Oregon OSHA.

SUBDIVISION O – MACHINERY AND MACHINE GUARDING

437-002-0240 Adoption by Reference. In addition to and not in lieu of, any other health and safety codes contained in OAR Chapter 437, the Department adopts by reference the following federal regulations printed as part of the Code of Federal Regulations, 29 CFR 1910 in the Federal Register:

(1) 29 CFR 1910.211 Definitions; published 12/3/74, FR vol. 39, pp. 41846-41848; 3/14/88, FR vol. 53, p. 8353.

- (2) 29 CFR 1910.212 General requirements for all machines; published 10/24/78, FR vol. 43, p. 49750.
- (3) 29 CFR 1910.213 Woodworking machines; published 2/10/84., FR vol. 49, p. 5323.
- (4) Reserved for 29 CFR 1910.214 Cooperage machinery.
- (5) 29 CFR 1910.215 Abrasive wheel machinery; published 3/7/96, FR vol. 61, no. 46, p. 9240.
- (6) 29 CFR 1910.216 Mills and calendars in the rubber and plastics industries; published 3/7/96, FR vol. 61, no. 46, p. 9240.
- (7) 29 CFR 1910.217 Mechanical power presses; published [~~12/27/11, FR vol. 76, no. 248, p. 80735~~]**8/7/12, FR vol. 77, no. 152, p. 46948.**
- (8) 29 CFR 1910.218 Forging machines; published 3/7/96, FR vol. 61, no.46, p. 9240.
- (9) 29 CFR 1910.219 Mechanical power-transmission apparatus; published 6/8/04, FR vol. 69, p. 31880-31882.

These standards are available from the Oregon Occupational Safety and Health Division (OR-OSHA), Department of Consumer and Business Services; and the United States Government Printing Office.

Stat. Auth.: ORS 654.025(2) and 656.726(4).

Stats. Implemented: ORS 654.001 to 654.295.

Hist: APD Admin. Order 22-1988, f. 12/30/88, ef. 1/1/89.
 OR-OSHA Admin. Order 4-1997, f. 4/2/97, ef. 4/2/97.
 OR-OSHA Admin. Order 4-2004, f. 9/15/04, ef. 9/15/04.
 OR-OSHA Admin. Order 1-2012, f. 4/10/12, ef. 4/10/12.
OR-OSHA Admin. Order 7-2012, f. 12/14/12, ef. 12/14/12.

DIVISION 3, CONSTRUCTION

437-003-0001

Adoption by Reference. In addition to, and not in lieu of, any other safety and health codes contained in OAR Chapter 437, the Department adopts by reference the following federal regulations printed as part of the Code of Federal Regulations, in the Federal Register:

(1) Subdivision A – GENERAL

- (a) 29 CFR 1926.1 Purpose and Scope, published 4/6/79, FR vol. 44, p. 20940.
- (b) 29 CFR 1926.2 Variances from safety and health standards, published 4/6/79, FR vol. 44, p. 20940.
- (c) 29 CFR 1926.3 Inspections – right of entry, published 4/6/79, FR vol. 44, p. 20940.
- (d) 29 CFR 1926.4 Rules of practice for administrative adjudications for enforcement of safety and health standards, published 4/6/79, FR vol. 44, p. 20940.
- (e) 29 CFR 1926.6 Incorporation by reference, published [~~8/9/10, FR vol. 75, no. 152, pp. 47906-48177~~]**6/22/12, FR vol. 77, no. 121, p. 37587.**

(2) Subdivision B – GENERAL INTERPRETATIONS

- (a) 29 CFR 1926.10 Scope of subpart, published 4/6/79, FR vol. 44, p. 20940.
- (b) 29 CFR 1926.11 Coverage under section 103 of the act distinguished, published 4/6/79, FR vol. 44, p. 20940.

- (c) 29 CFR 1926.12 Reorganization plan No. 14 of 1950, published 4/6/79, FR vol. 44, p. 20940.
 - (d) 29 CFR 1926.13 Interpretation of statutory terms, published 4/6/79, FR vol. 44, p. 20940.
 - (e) 29 CFR 1926.14 Federal contracts for 'mixed' types of performance, published 4/6/79, FR vol. 44, p. 20940.
 - (f) 29 CFR 1926.15 Relationship to the service contract act; Walsh-Healey Public Contracts Act, published 4/6/79, FR vol. 44, p. 20940.
 - (g) 29 CFR 1926.16 Rules of construction, published 4/6/79, FR vol. 44, p. 20940.
 - (3) Subdivision C – GENERAL SAFETY AND HEALTH PROVISIONS
 - (a) 29 CFR 1926.20 General safety and health provisions, published 12/12/08, FR vol. 73, no. 240, pp. 75568-75589.
 - (b) 29 CFR 1926.21 Safety training and education, published 4/6/79, FR vol. 44, p. 20940; amended with AO 6-2012, repealed (b)(6), f. 9/28/12, ef. 4/1/13.
 - (c) 29 CFR 1926.22 Recording and reporting of injuries (Reserved)
 - (d) 29 CFR 1926.23 First aid and medical attention, published 4/6/79, FR vol. 44, p. 20940.
 - (e) 29 CFR 1926.24 Fire protection and prevention, published 4/6/79, FR vol. 44, p. 20940.
 - (f) 29 CFR 1926.25 Housekeeping, published 4/6/79, FR vol. 44, p. 20940.
 - (g) 29 CFR 1926.26 Illumination, published 4/6/79, FR vol. 44, p. 20940.
 - (h) 29 CFR 1926.27 Sanitation, published 4/6/79, FR vol. 44, p. 20940.
 - (i) 29 CFR 1926.28 Personal protective equipment, published 4/6/79, FR vol. 44, p. 20940.
 - (j) 29 CFR 1926.29 Acceptable certifications, published 4/6/79, FR vol. 44, p. 20940.
 - (k) 29 CFR 1926.30 Shipbuilding and ship repairing, published 3/7/96, FR vol. 61, no. 46, p. 9249.
 - (l) 29 CFR 1926.31 (Reserved).
 - (m) 29 CFR 1926.32 Definitions, published 6/30/93, FR vol. 58, no. 124, p. 35078.
 - (n) 29 CFR 1926.33 Access to employee exposure and medical records, published 6/20/96, FR vol. 61, no. 46, p. 31427.
 - (o) 29 CFR 1926.34 Means of egress, published 6/30/93, Federal Register, vol. 58, no. 124, p. 35083.
 - (4) Subdivision D – OCCUPATIONAL HEALTH AND ENVIRONMENTAL CONTROLS
 - (a) 29 CFR 1926.50 Medical services and first aid, published 6/18/98, FR vol. 63, no. 117, p. 33469.
 - (b) 29 CFR 1926.51 Sanitation, published 6/30/93, FR vol. 58, no. 124, p. 35084.
 - (c) 29 CFR 1926.52 Occupational noise exposure, published 4/6/79, FR vol. 44, p. 20940.
 - (d) 29 CFR 1926.53 Ionizing radiation, published 4/6/79, FR vol. 44, p. 20940.
 - (e) 29 CFR 1926.54 Nonionizing radiation, published 4/6/79, FR vol. 44, p. 20940.
 - (f) 29 CFR 1926.55 Gases, vapors, fumes, dusts, and mists, published 1/10/97, FR vol. 62, no. 7, p. 1619.
 - (g) 29 CFR 1926.56 Illumination, published 4/6/79, FR vol. 44, p. 20940.
 - (h) 29 CFR 1926.57 Ventilation, published 1/8/98, FR vol. 63, no. 5, p. 1295.
 - (i) 29 CFR 1926.58 Reserved, §1926.58, Asbestos, tremolite, anthophyllite and actinolite is redesignated as §1926.1101, Asbestos, and §1926.58 is reserved (8/10/94, FR vol. 59, no. 153, pp. 41131-62).
 - (j) 29 CFR 1926.59 Hazard Communication, published 6/20/96, FR vol. 61, p. 31427.
 - (k) 29 CFR 1926.60 Methylenedianiline (MDA), published 12/12/08, FR vol. 73, no. 240, pp. 75568-75589.
 - (l) 29 CFR 1926.61 Retention of DOT markings, placards and labels, published 6/20/96, FR vol. 61, p. 31427.
 - (m) 29 CFR 1926.62 Lead, published 12/12/08, FR vol. 73, no. 240, pp. 75568-75589.
- NOTE: Cadmium has been redesignated as §1926.1127.
- (n) 29 CFR 1926.65 Hazardous Waste Operations and Emergency Response

NOTE: Division 2/H, 1910.120, Hazardous Waste Operations and Emergency Response, applies to Construction.

(5) Subdivision E – PERSONAL PROTECTIVE AND LIFE SAVING EQUIPMENT

(a) 29 CFR 1926.95 Criteria for personal protective equipment, published 11/15/07, FR vol. 72, no. 220, p. 64342.

(b) 29 CFR 1926.100 Head protection, published [~~4/6/79, FR vol. 44, p. 20940~~]**6/22/12, FR vol. 77, no. 121, p. 37587.**

(c) 29 CFR 1926.101 Hearing protection, published 4/6/79, FR vol. 44, p. 20940.

(d) 29 CFR 1926.102 Eye and face protection, published 6/30/93, FR vol. 58, no. 124, p. 35160.

(e) 29 CFR 1926.103 Respiratory protection, published 1/8/98, FR vol. 63, no. 5, p. 1297.

NOTE: 29 CFR 1926.104 Removed, 8/9/94, FR vol. 59, no. 152, p. 40729.

(f) 29 CFR 1926.105 Reserved, 8/9/94, FR vol. 59, no. 152, p. 40729.

(g) 29 CFR 1926.106 Working over or near water, published 4/6/79, FR vol. 44, p. 20940.

(h) 29 CFR 1926.107 Definitions applicable to this subpart, published 8/9/94, FR vol. 59, no. 152, p. 40729.

(6) Subdivision F – FIRE PROTECTION AND PREVENTION

(a) 29 CFR 1926.150 Fire protection, published 4/6/79, FR vol. 44, p. 20940.

(b) 29 CFR 1926.151 Fire prevention, published 7/11/86, FR vol. 51, p. 25318.

(c) 29 CFR 1926.152 Flammable and combustible liquids, published 6/30/93, FR vol. 58, no. 124, p. 35162.

(d) 29 CFR 1926.153 Liquefied petroleum gas (LP-Gas), published 6/30/93, FR vol. 58, no. 124, p. 35170.

(e) 29 CFR 1926.154 Temporary heating devices, published 4/6/79, FR vol. 44, p. 20940.

(f) 29 CFR 1926.155 Definitions applicable to this subpart, published 4/6/79, FR vol. 44, p. 20940.

(7) Subdivision G – SIGNS, SIGNALS, AND BARRICADES

(a) 29 CFR 1926.200 Accident prevention signs and tags, published 6/30/93, FR vol. 58, no. 124, p. 35173; amended with OR-OSHA Admin. Order 2-2003, f. 1/30/03, ef. 1/30/03.

(b) 29 CFR 1926.201 Signaling, REPEALED with OR-OSHA Admin. Order 2-2003, f. 1/30/03, ef. 1/30/03.

(c) 29 CFR 1926.202 Barricades, REPEALED with OR-OSHA Admin. Order 2-2003, f. 1/30/03, ef. 1/30/03.

(d) 29 CFR 1926.203 Definitions applicable to this subpart, published 4/6/79, FR vol. 44, p. 20940; amended with OR-OSHA Admin. Order 2-2003, f. 1/30/03, ef. 1/30/03.

(8) Subdivision H – MATERIALS HANDLING, STORAGE, USE AND DISPOSAL

(a) 29 CFR 1926.250 General requirements for storage, published 6/30/93, FR vol. 58, no. 124, p. 35173.

(b) 29 CFR 1926.251 Rigging equipment for material handling, published 6/30/93, FR vol. 58, no. 124, p. 35173.

(c) 29 CFR 1926.252 Disposal of waste materials, published 4/6/79, FR vol. 44, p. 20940.

(9) Subdivision I – TOOLS – HAND AND POWER

(a) 29 CFR 1926.300 General requirements, published 3/7/96, FR vol. 61, no. 46, p. 9250.

(b) 29 CFR 1926.301 Hand tools, published 4/6/79, FR vol. 44, p. 20940.

(c) 29 CFR 1926.302 Power operated hand tools, published 6/30/93, FR vol. 58, no. 124, p. 35175.

(d) 29 CFR 1926.303 Abrasive wheels and tools, published 6/30/93, FR vol. 58, no. 124, p. 35175.

(e) 29 CFR 1926.304 Woodworking tools, published 3/7/96, FR vol. 61, no. 46, p. 9251.

(f) 29 CFR 1926.305 Jacks - lever and ratchet, screw, and hydraulic, published Federal Register vol. 58, no. 124, p. 35176.

(10) Subdivision J – WELDING AND CUTTING

- (a) 29 CFR 1926.350 Gas welding and cutting, published 6/30/93, FR vol. 58, no. 124, p. 35179.
- (b) 29 CFR 1926.351 Arc welding and cutting, published 7/11/86, FR vol. 51, p. 25318.
- (c) 29 CFR 1926.352 Fire prevention, published 4/6/79, FR vol. 44, p. 20940.
- (d) 29 CFR 1926.353 Ventilation and protection in welding, cutting, and heating, published 6/30/93, FR vol. 58, no. 124, p. 35179.
- (e) 29 CFR 1926.354 Welding, cutting, and heating in way of preservative coatings, published 4/6/79, FR vol. 44, p. 20940.
- (11) Subdivision K – ELECTRICAL
 - (a) 29 CFR 1926.400 Introduction, published 7/11/86, FR vol. 51, no. 133, pp. 25294-25335.
 - (b) 29 CFR 1926.401 (Reserved)
 - (c) 29 CFR 1926.402 Applicability, published 7/11/86, FR vol. 51, no. 133, pp. 25294-25335.
 - (d) 29 CFR 1926.403 General requirements, published 7/11/86, FR vol. 51, no. 133, pp. 25294-25335.
 - (e) 29 CFR 1926.404 Wiring design and protection, published 7/11/86, FR vol. 51, no. 133, pp. 25294-25335; amended with AO 5-2002, repeal (b)(1), f. 6/28/02, ef. 10/1/03.
 - (f) 29 CFR 1926.405 Wiring methods, components, and equipment for general use, published 7/11/86, FR vol. 51, no. 133, pp. 25294-25335.
 - (g) 29 CFR 1926.406 Specific purpose equipment and installations, published 7/11/86, FR vol. 51, no. 133, pp. 25294-25335.
 - (h) 29 CFR 1926.407 Hazardous (classified) locations, published 7/11/86, FR vol. 51, no. 133, pp. 25294-25335.
 - (i) 29 CFR 1926.408 Special systems, published 7/11/86, FR vol. 51, no. 133, pp. 25294-25335.
 - (j) 29 CFR 1926.409 (Reserved)
 - (k) 29 CFR 1926.415 (Reserved)
 - (l) 29 CFR 1926.416 General requirements, published 8/12/96, FR vol. 61, no. 156, p. 41738.
 - (m) 29 CFR 1926.417 Lockout and tagging of circuits, published 8/12/96, FR vol. 61, no. 156, p. 41739.
 - (n) 29 CFR 1926.418 (Reserved)
 - (o) 29 CFR 1926.430 (Reserved)
 - (p) 29 CFR 1926.431 Maintenance of equipment, published 7/11/86, FR vol. 51, no. 133, pp. 25294-25335.
 - (q) 29 CFR 1926.432 Environmental deterioration of equipment, published 7/11/86, FR vol. 51, no. 133, pp. 25294-25335.
 - (r) 29 CFR 1926.433 - 29 CFR 1926.440 (Reserved)
 - (s) 29 CFR 1926.441 Battery locations and battery charging, published 7/11/86, FR vol. 51, no. 133, pp. 25294-25335.
 - (t) 29 CFR 1926.442 - 29 CFR 1926.448 (Reserved)
 - (u) 29 CFR 1926.449 Definitions applicable to this subpart, published 7/11/86, FR vol. 51, no. 133, pp. 25294-25335.
- (12) Subdivision L – SCAFFOLDING
 - (a) 29 CFR 1926.450 Scope, application and definitions applicable to this subpart, published 8/9/10, FR vol. 75, no. 152, pp. 47906-48177.
 - (b) 29 CFR 1926.451 General requirements, published 11/25/96, FR vol. 61, no. 228, p. 59831.
 - (c) 29 CFR 1926.452 Additional requirements applicable to specific types of scaffolds, published 8/30/96, FR vol. 61, no. 170, p. 46113.
 - (d) 29 CFR 1926.453 Aerial lifts, published 11/25/96, FR vol. 61, no. 228, p. 59832.
 - (e) 29 CFR 1926.454 Training, published 8/30/96, FR vol. 61, no. 170, p. 46117.
 - (f) Appendix A to Subpart L Scaffold Specifications, published ~~8/30/96, FR vol. 61, no. 170, p. 46117~~ **8/7/12, FR vol. 77, no. 152, p. 46948.**

(g) Appendix B to Subpart L Criteria for determining the feasibility of providing safe access and fall protection for scaffold erectors and dismantlers (Reserved), published 8/30/96, FR vol. 61, no. 170, p. 46122.

(h) Appendix C to Subpart L List of National Consensus Standards, published 8/30/96, FR vol. 61, no. 170, p. 46122.

(i) Appendix D to Subpart L List of training topics for scaffold erectors and dismantlers, published 8/30/96, FR vol. 61, no. 170, p. 46122.

(j) Appendix E to Subpart L Drawing and illustrations, published 11/25/96, FR vol. 61, no. 228, p. 59832.

(13) Subdivision M – FALL PROTECTION

(a) 29 CFR 1926.500 Scope, application, and definitions applicable to this subpart, published 8/9/10, FR vol. 75, no. 152, pp. 47906-48177.

(b) 29 CFR 1926.501 Duty to have fall protection, published 8/9/94, FR vol. 59, no. 152, p. 40732-40733; amended with AO 6-2002, f. and ef. 7/19/02.

(c) 29 CFR 1926.502 Fall protection systems criteria and practices, published 8/9/94, FR vol. 59, no. 152, p. 40733-40738; amended with AO 6-2002, f. and ef. 7/19/02.

(d) 29 CFR 1926.503 Training requirements. REPEALED with AO 6-2002, f. and ef. 7/19/02, replaced with OI.

(e) Appendix A to Subpart M Determining Roof Widths, published 8/9/94, FR vol. 59, no. 152, p. 40738-40742.

(f) Appendix B to Subpart M Guardrail Systems, published 8/9/94, FR vol. 59, no. 152, p. 40743.

(g) Appendix C to Subpart M Personal Fall Arrest Systems, published 8/9/94, FR vol. 59, no. 152, p. 40743-40746.

(h) Appendix D to Subpart M Positioning Device Systems, published 8/9/94, FR vol. 59, no. 152, p. 40746.

(14) Subdivision N – HELICOPTERS, HOISTS, ELEVATORS, AND CONVEYORS

(a) 29 CFR 1926.550 (Reserved).

(b) 29 CFR 1926.551 Helicopters, published 4/6/79, FR vol. 44, p. 20940.

(c) 29 CFR 1926.552 Material hoists, personnel hoists, and elevators, published 4/6/79, FR vol. 44, p. 20940.

(d) 29 CFR 1926.553 Base-mounted drum hoist, published 8/9/10, FR vol. 75, no. 152, pp. 47906-48177.

(e) 29 CFR 1926.554 Overhead hoists, published 4/6/79, FR vol. 44, p. 20940.

(f) 29 CFR 1926.555 Conveyors, published 4/6/79, FR vol. 44, p. 20940.

(15) Subdivision O – MOTOR VEHICLES, MECHANIZED EQUIPMENT, AND MARINE OPERATIONS

(a) 29 CFR 1926.600 Equipment, published 8/9/10, FR vol. 75, no. 152, pp. 47906-48177.

(b) 29 CFR 1926.601 Motor vehicles, REPEALED by OR-OSHA Admin. Order 6-2007, f. 9/26/07, ef. 9/26/07.

(c) 29 CFR 1926.602 Material handling equipment, published 12/1/98, FR vol. 63, no. 230, p. 66274; amended by AO 7-2003, f. 12/5/03, ef. 12/5/03.

(d) 29 CFR 1926.603 Pile driving equipment, published 4/6/79, FR vol. 44, p. 20940.

(e) 29 CFR 1926.604 Site clearing, published 7/22/77, FR vol. 42, p. 37674.

(f) 29 CFR 1926.605 Marine operations and equipment, published 4/6/79, FR vol. 44, p. 20940.

(g) 29 CFR 1926.606 Definitions applicable to this subpart, published 4/6/79, FR vol. 44, p. 20940.

(16) Subdivision P – EXCAVATIONS

(a) 29 CFR 1926.650 Scope, application, and definitions applicable to this subdivision, published 10/31/89, FR vol. 54, no. 209, pp. 45959-45961.

(b) 29 CFR 1926.651 General requirements, published 8/9/94, FR vol. 59, no. 152, p. 40730.

- (c) 29 CFR 1926.652 Requirements for protective systems, published 10/31/89, FR vol. 54, no. 209, pp. 45961-45962.
- (d) Appendices A-F to Subdivision P, Excavations, published 10/31/89, FR vol. 54, no. 209, pp. 45962-45991.
- (17) Subdivision Q – CONCRETE AND MASONRY CONSTRUCTION
- (a) 29 CFR 1926.700 Scope, application and definitions applicable to this subpart, published 10/18/90, FR vol. 55, no. 202, p. 42326.
- (b) 29 CFR 1926.701 General requirements, published 8/9/94, FR vol. 59, no. 152, p. 40730.
- (c) 29 CFR 1926.702 Requirements for equipment and tools, published 6/16/88, FR vol. 53, p. 22612.
- (d) 29 CFR 1926.703 Requirements for cast-in-place concrete, published 6/16/88, FR vol. 53, p. 22612.
- (e) 29 CFR 1926.704 Requirements for precast concrete, published 10/5/89, FR vol. 54, no. 192, p. 41088.
- (f) 29 CFR 1926.705 Requirements for lift-slab construction operations, published 10/18/90, FR vol. 55, no. 202, p. 42326.
- (g) Appendix A to 1926.705 Lift-slab operations, published 10/18/90, FR vol. 55, no. 202, p. 42326.
- (h) 29 CFR 1926.706 Requirements for masonry construction, published 6/16/88, FR vol. 53, p. 22612; amended with OR-OSHA Admin. Order 1-2003, f. 1/30/03, ef. 4/30/03.
- (18) Subdivision R – STEEL ERECTION
- (a) 29 CFR 1926.750 Scope, published 7/17/01, FR vol. 66, no. 137, p. 37137.
- (b) 29 CFR 1926.751 Definitions, published 7/17/01, FR vol. 66, no. 137, p. 37137; amended with AO 6-2002, f. and ef. 7/19/02; amended with AO 8-2003, f. 12/30/03, ef. 1/1/04.
- (c) 29 CFR 1926.752 Site layout, site-specific erection plan and construction sequence, published 7/17/01, FR vol. 66, no. 137, p. 37137.
- (d) 29 CFR 1926.753 Hoisting and rigging, published 8/9/10, FR vol. 75, no. 152, pp. 47906-48177.
- (e) 29 CFR 1926.754 Structural steel assembly, published 4/3/06, FR vol. 71, no. 63, p. 16669.
- (f) 29 CFR 1926.755 Column anchorage, published 7/17/01, FR vol. 66, no. 137, p. 37137.
- (g) 29 CFR 1926.756 Beams and columns, published 7/17/01, FR vol. 66, no. 137, p. 37137.
- (h) 29 CFR 1926.757 Open web steel joists, published 7/17/01, FR vol. 66, no. 137, p. 37137; amended with AO 8-2003, f. 12/30/03, ef. 1/1/04.
- (i) 29 CFR 1926.758 Systems-engineered metal buildings, published 7/17/01, FR vol. 66, no. 137, p. 37137.
- (j) 29 CFR 1926.759 Falling object protection, published 7/17/01, FR vol. 66, no. 137, p. 37137.
- (k) 29 CFR 1926.760 Fall protection, published 7/17/01, FR vol. 66, no. 137, p. 37137; amended with AO 8-2003, f. 12/30/03, ef. 1/1/04.
- (l) 29 CFR 1926.761 Training, published 12/12/08, FR vol. 73, no. 240, pp. 75568-75589.
- (m) Appendix A to Subpart R Guidelines for establishing the components of a site-specific erection plan: Nonmandatory Guidelines for Complying with §1926.752(e), published 7/17/01, FR vol. 66, no. 137, p. 37137.
- (n) Appendix B to Subpart R Reserved.
- (o) Appendix C to Subpart R Illustrations of bridging terminus points: Nonmandatory Guidelines for Complying with §1926.757(a)(10) and §1926.757(c)(5), published 7/17/01, FR vol. 66, no. 137, p. 37137.
- (p) Appendix D to Subpart R Illustration of the use of control lines to demarcate controlled decking zones (CDZs): Nonmandatory Guidelines for Complying with §1926.760(c)(3), REPEALED with AO 6-2002, f. and ef. 7/19/02; amended with AO 8-2003, f. 12/30/03, ef. 1/1/04.

(q) Appendix E to Subpart R Training: Nonmandatory Guidelines for Complying with §1926.761, published 7/17/01, FR vol. 66, no. 137, p. 37137.

(r) Appendix F to Subpart R Perimeter columns: Nonmandatory Guidelines for Complying with §1926.756(e) to Protect the Unprotected Side or Edge of a Walking/Working Surface, published 7/17/01, FR vol. 66, no. 137, p. 37137.

(s) Appendix G to Subpart R Fall protection systems criteria and practices from §1926.502: Nonmandatory Guidelines for Complying with Complying with §1926.760(d), REPEALED with AO 6-2002, f. and ef. 7/19/02; amended with AO 8-2003, f. 12/30/03, ef. 1/1/04.

(t) Appendix H to Subpart R Double connections: Illustration of a clipped end connection and a staggered connection: Non-Mandatory Guidelines for Complying with Complying with §1926.756(c)(1), published 7/17/01, FR vol. 66, no. 137, p. 37137.

(19) Subdivision S – UNDERGROUND CONSTRUCTION, CAISSONS, COFFERDAMS, AND COMPRESSED AIR

(a) 29 CFR 1926.800 Tunnels and shafts, published 8/9/10, FR vol. 75, no. 152, pp.47906-48177.

(b) 29 CFR 1926.801 Caissons, published 4/6/79, FR vol. 44, p. 20940.

(c) 29 CFR 1926.802 Cofferdams, published 4/6/79, FR vol. 44, p. 20940.

(d) 29 CFR 1926.803 Compressed air, published 7/11/86, FR vol. 51, p. 25318.

(e) 29 CFR 1926.804 Definitions applicable to this subpart, published 4/6/79, FR vol. 44, p. 20940.

(f) Appendix A to Subpart S Decompression Tables, published 4/6/79, FR vol. 44, p. 20940.

(20) Subdivision T – DEMOLITION

(a) 29 CFR 1926.850 Preparatory operations, published 4/6/79, FR vol. 44, p. 20940.

(b) 29 CFR 1926.851 Stairs, passageways, and ladders, published 4/6/79, FR vol. 44, p. 20940.

(c) 29 CFR 1926.852 Chutes, published 4/6/79, FR vol. 44, p. 20940.

(d) 29 CFR 1926.853 Removal of materials through floor openings, published 4/6/79, FR vol. 44, p. 20940.

(e) 29 CFR 1926.854 Removal of walls, masonry sections, and chimneys, published 4/6/79, FR vol. 44, p. 20940.

(f) 29 CFR 1926.855 Manual removal of floors, published 4/6/79, FR vol. 44, p. 20940.

(g) 29 CFR 1926.856 Removal of walls, floors, and materials with equipment, published 8/9/10, FR vol. 75, no. 152, pp. 47906-48177.

(h) 29 CFR 1926.857 Storage, published 4/6/79, FR vol. 44, p. 20940.

(i) 29 CFR 1926.858 Removal of steel construction, published 8/9/10, FR vol. 75, no. 152, pp. 47906-48177.

(j) 29 CFR 1926.859 Mechanical demolition, published 4/6/79, FR vol. 44, p. 20940.

(k) 29 CFR 1926.860 Selective demolition by explosives, published 4/6/79, FR vol. 44, p. 20940.

(21) Subdivision U – BLASTING AND USE OF EXPLOSIVES

(a) 29 CFR 1926.900 General provisions, published 4/6/79, FR vol. 44, p. 20940.

(b) 29 CFR 1926.901 Blaster qualifications, published 4/6/79, FR vol. 44, p. 20940.

(c) 29 CFR 1926.902 Surface transportation of explosives, published 6/30/93, FR vol. 58, no. 124, p. 35311.

(d) 29 CFR 1926.903 Underground transportation of explosives, published 4/6/79, FR vol. 44, p. 20940.

(e) 29 CFR 1926.904 Storage of explosives and blasting agents, published 6/30/93, FR vol. 58, no. 124, p. 35311.

(f) 29 CFR 1926.905 Loading of explosives or blasting agents, published 6/30/93, FR vol. 58, no. 124, p. 35184.

(g) 29 CFR 1926.906 Initiation of explosive charges – electric blasting, published 6/18/98, FR vol. 63, no. 117, p. 33469.

(h) 29 CFR 1926.907 Use of safety fuse, published 4/6/79, FR vol. 44, p. 20940.

- (i) 29 CFR 1926.908 Use of detonating cord, published 4/6/79, FR vol. 44, p. 20940.
- (j) 29 CFR 1926.909 Firing the blast, published 4/6/79, FR vol. 44, p. 20940.
- (k) 29 CFR 1926.910 Inspection after blasting, published 4/6/79, FR vol. 44, p. 20940.
- (l) 29 CFR 1926.911 Misfires, published 4/6/79, FR vol. 44, p. 20940.
- (m) 29 CFR 1926.912 Underwater blasting, published 4/6/79, FR vol. 44, p. 20940.
- (n) 29 CFR 1926.913 Blasting in excavation work under compressed air, published 4/6/79, FR vol. 44, p. 20940.
- (o) 29 CFR 1926.914 Definitions applicable to this subpart, published 6/30/93, FR vol. 58, no. 124, p. 35184, 35311.
- (22) Subdivision V – POWER TRANSMISSION AND DISTRIBUTION
 - (a) 29 CFR 1926.950 General requirements, published 4/6/79, FR vol. 44, p. 20940.
 - (b) 29 CFR 1926.951 Tools and protective equipment, published 8/9/94, FR vol. 59, no. 152, p. 40730.
 - (c) 29 CFR 1926.952 Mechanical equipment, published 8/9/10, FR vol. 75, no. 152, pp. 47906-48177.
 - (d) 29 CFR 1926.953 Material handling, published 4/6/79, FR vol. 44, p. 20940.
 - (e) 29 CFR 1926.954 Grounding for protection of employees, published 4/6/79, FR vol. 44, p. 20940.
 - (f) 29 CFR 1926.955 Overhead lines, published 4/6/79, FR vol. 44, p. 20940.
 - (g) 29 CFR 1926.956 Underground lines, published 4/6/79, FR vol. 44, p. 20940.
 - (h) 29 CFR 1926.957 Construction in energized substations, published 4/6/79, FR vol. 44, p. 20940.
 - (i) 29 CFR 1926.958 External load helicopters, published 4/6/79, FR vol. 44, p. 20940.
 - (j) 29 CFR 1926.959 Lineman’s body belts, safety straps, and lanyards, published 4/6/79, FR vol. 44, p. 20940.
 - (k) 29 CFR 1926.960 Definitions applicable to this subpart, published 4/6/79, FR vol. 44, p. 20940.
- (23) Subdivision W – ROLLOVER PROTECTIVE STRUCTURES: OVERHEAD PROTECTION
 - (a) 29 CFR 1926.1000 Rollover protective structures (ROPS) for material handling equipment, published 4/6/79, FR vol. 44, p. 20940.
 - (b) 29 CFR 1926.1001 Minimum performance criteria for rollover protective structure for designated scrapers, loaders, dozers, graders, and crawler tractors, published 4/6/79, FR vol. 44, p. 20940.
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- (24) Subdivision X – STAIRWAYS AND LADDERS
 - (a) 29 CFR 1926.1050 Scope, application and definitions applicable to this Subdivision, published 8/9/10, FR vol. 75, no. 152, pp. 47906-48177.
 - (b) 29 CFR 1926.1051 General requirements, published 11/14/90, FR vol. 55, no. 220, p. 47688.
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 - (f) 29 CFR 1926.1055 (Reserved)
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- (k) 29 CFR 1926.1060 Training requirements, published 11/14/90, FR vol. 55, no. 220, p. 47691.
- (25) Subdivision Z – TOXIC AND HAZARDOUS SUBSTANCES
- (a) 29 CFR 1926.1101 Asbestos, published 1/9/09, FR vol. 74, no. 6, p. 858.
- (b) 29 CFR 1926.1126 Chromium (VI), published; 3/17/10, FR vol. 75, no. 51, pp. 12681-12686.
- (c) 29 CFR 1926.1127 Cadmium, published 12/12/08, FR vol. 73, no. 240, pp. 75568-75589.
- (d) 29 CFR 1926.1152 Methylene Chloride, published 12/18/97, FR vol. 62, no. 243, p. 66275.
- (26) Subdivision AA – (Reserved)
- (27) Subdivision BB – (Reserved)
- (28) Subdivision CC – Cranes and Derricks in Construction
- (a) 29 CFR 1926.1400 Scope, published 8/9/10, FR vol. 75, no. 152, pp. 47906-48177.
- (b) 29 CFR 1926.1401 Definitions, published 8/9/10, FR vol. 75, no. 152, pp. 47906-48177.
- (c) 29 CFR 1926.1402 Ground conditions, published 8/9/10, FR vol. 75, no. 152. Pp. 47906-48177.
- (d) 29 CFR 1926.1403 Assembly/Disassembly – selection of manufacturer or employer procedures, published 8/9/10, FR vol. 75, no. 152, pp. 47906-48177.
- (e) 29 CFR 1926.1404 Assembly/Disassembly – general requirements (applies to all assembly and disassembly operations), published 8/9/10, FR vol. 75, no. 152, pp. 47906-48177.
- (f) 29 CFR 1926.1405 Disassembly – additional requirements for dismantling of booms and jibs (applies to both the use of manufacturer procedures and employer procedures), published 8/9/10, FR vol. 75, no. 152. Pp. 47906-48177.
- (g) 29 CFR 1926.1406 Assembly/Disassembly – employer procedures – general requirements, published 8/9/10, FR vol. 75, no. 152, pp. 47906-48177.
- (h) 29 CFR 1926.1407 Power line safety (up to 350 kV) – assembly and disassembly, published 8/9/10, FR vol. 75, no. 152, pp. 47906-48177.
- (i) 29 CFR 1926.1408 Power line safety (up to 350 kV) – equipment operations, published 8/9/10, FR vol. 75, no. 152, pp. 47906-48177.
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- (o) 29 CFR 1926.1414 Wire rope – selection and installation criteria, published 8/9/10, FR vol. 75, no. 152, pp. 47906-48177.
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- (q) 29 CFR 1926.1416 Operational aids, published 8/9/10, FR vol. 75, no. 152, pp. 47906-48177.
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- (t) 29 CFR 1926.1419 Signals – general requirements, published 8/9/10, FR vol. 75, no. 152, pp. 47906-48177.
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- (w) 29 CFR 1926.1422 Signals – hand signal chart, published 8/9/10, FR vol. 75, no. 152, pp. 47906-48177.
- (x) 29 CFR 1926.1423 Fall protection, published 8/9/10, FR vol. 75, no. 152, pp. 47906-48177.
- (y) 29 CFR 1926.1424 Work area control, published 8/9/10, FR vol. 75, no. 152, pp. 47906-48177.
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- (aa) 29 CFR 1926.1426 Free fall and controlled load lowering, published 8/9/10, FR vol. 75, no. 152, pp. 47906-48177.
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- (ii) 29 CFR 1926.1434 Equipment modifications, published 8/9/10, FR vol. 75, no. 152, pp. 47906-48177.
- (jj) 29 CFR 1926.1435 Tower cranes, published 8/9/10, FR vol. 75, no. 152, pp. 47906-48177.
- (kk) 29 CFR 1926.1436 Derricks, published 8/9/10, FR vol. 75, no. 152, pp. 47906-48177.
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- (a) 29 CFR 1926.1500 Scope, published 8/9/10, FR vol. 75, no. 152, pp. 47906-48177.
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These standards are available at the Oregon Occupational Safety and Health Division, Oregon Department of Consumer and Business Services, and the United States Government Printing Office.

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Hist: APD Admin. Order 5-1989, f. 3/31/89, ef. 5/1/89 (temp).

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OR-OSHA Admin. Order 5-2006, f. 8/7/06, ef. 1/1/07.
OR-OSHA Admin. Order 6-2006, f. 8/30/06, ef. 8/30/06.
OR-OSHA Admin. Order 10-2006, f. 11/30/06, ef. 11/30/06.
OR-OSHA Admin. Order 6-2007, f. 9/26/07, ef. 9/26/07 (3/O).
OR-OSHA Admin. Order 5-2008, f. 5/1/08, ef. 5/15/08 (PPE).
OR-OSHA Admin. Order 5-2009, f. 5/29/09, ef. 5/29/09.
OR-OSHA Admin. Order 3-2010, f. 6/10/10, ef. 6/15/10.
OR-OSHA Admin. Order 1-2011, f. 2/9/11, ef. 2/9/11.
OR-OSHA Admin. Order 4-2011, f. 12/8/11, ef. 12/8/11.
OR-OSHA Admin. Order 5-2011, f. 12/8/11, ef. 7/1/12.
OR-OSHA Admin. Order 1-2012, f. 4/10/12, ef. 4/10/12.
OR-OSHA Admin. Order 5-2012, f. 9/25/12, ef. 9/25/12.
OR-OSHA Admin. Order 6-2012, f. 9/28/12, ef. 4/1/13.
OR-OSHA Admin. Order 7-2012, f. 12/14/12, ef. 12/14/12.

DIVISION 5, MARITIME ACTIVITIES

PART 1915 – OCCUPATIONAL SAFETY AND HEALTH STANDARDS FOR SHIPYARD EMPLOYMENT

437-005-0001

Adoption by Reference. In addition to, and not in lieu of, any other safety and health codes contained in OAR Chapter 437, the Department adopts by reference the following federal regulations printed as part of the Code of Federal Regulations, 29 CFR 1915, in the Federal Register:

(1) Subdivision A

(a) 29 CFR 1915.1. Purpose and authority, published 4/20/82, Federal Register (FR) vol. 47, p. 16984.

(b) 29 CFR 1915.2. Scope and application, published 4/20/82, FR vol. 47, p. 16984.

(c) 29 CFR 1915.3. Responsibility, published 4/20/82, FR vol. 47, p. 16984.

(d) 29 CFR 1915.4. Definitions, published 7/3/02, FR vol. 67, no. 128, p. 44541.

(e) 29 CFR 1915.5. Incorporation by reference, published 5/2/11, Federal Register vol. 76, no. 84, p. 24576.

(f) 29 CFR 1915.6. Commercial diving operations, published 4/20/82, FR vol. 47, p. 16984.

(g) 29 CFR 1915.7. Competent person, published 7/25/94, FR vol. 59, p. 37856.

- (h) 29 CFR 1915.9. Compliance duties owed to each employee, published 12/12/08, FR vol. 73, no. 240, pp. 75568-75589.
- (2) Subdivision B
- (a) 29 CFR 1915.11. Scope, application and definitions applicable to this Subpart, published 7/25/94, FR vol. 59, p. 37857.
- (b) 29 CFR 1915.12. Precautions before entering confined and enclosed spaces and other dangerous atmospheres, published 3/16/95, FR vol. 60, no. 51, p. 14218.
- (c) 29 CFR 1915.13. Cleaning and other cold work, published 7/25/94, FR vol. 59, p. 37859.
- (d) 29 CFR 1915.14. Hot work, published 7/3/02, FR vol. 67, no. 128, p. 44541.
- (e) 29 CFR 1915.15. Maintenance of safe conditions, published ~~7/3/02, FR vol. 67, no. 128, p. 44541~~ **6/22/12, FR vol. 77, no. 121, p. 37587.**
- (f) 29 CFR 1915.16. Warning signs and labels, published 7/25/94, FR vol. 59, p. 37861. Appendix A to Subpart B published 6/8/11, Federal Register, vol. 76, no. 110, p. 33590. Appendix B to Subpart B published 7/25/94, FR vol. 59, p. 37816.
- (3) Subdivision C
- (a) 29 CFR 1915.31. Scope & application of subdivision, published 4/20/82, FR vol. 47, p. 16984.
- (b) 29 CFR 1915.32. Toxic cleaning solvents, published 5/24/96, FR vol. 61, no. 102, p. 26351.
- (c) 29 CFR 1915.33. Chemical paint & preservative remover, published 5/24/96, FR vol. 61, no. 102, p. 26351.
- (d) 29 CFR 1915.34. Mechanical paint removers, published 5/24/96, FR vol. 61, no. 102, p. 26351.
- (e) 29 CFR 1915.35. Painting, published 7/3/02, FR vol. 67, no. 128, p. 44541.
- (f) 29 CFR 1915.36. Flammable liquids, published 4/20/82, FR vol. 47, p. 16984.
- (4) Subdivision D
- (a) 29 CFR 1915.51. Ventilation & protection in welding, cutting and heating, published 7/3/02, FR vol. 67, no. 128, p. 44541.
- (b) 29 CFR 1915.52. Fire prevention. REMOVED 9/15/04, FR vol. 69, p. 55667.
- (c) 29 CFR 1915.53. Welding, cutting and heating of hollow metal containers & structure not covered by 1915.12, published 7/3/02, FR vol. 67, no. 128, p. 44541.
- (d) 29 CFR 1915.55. Gas welding & cutting, published 4/20/82, FR vol. 47, p. 16984.
- (e) 29 CFR 1915.56. Arc welding and cutting, published 4/20/82, FR vol. 47, p. 16984.
- (f) 29 CFR 1915.57. Uses of fissionable material in ship repairing and shipbuilding, published 4/20/82, FR vol. 47, p. 16984.
- (5) Subdivision E
- (a) 29 CFR 1915.71. Scaffolds or staging, published 7/3/02, FR vol. 67, no. 128, p. 44541.
- (b) 29 CFR 1915.72. Ladders, published 7/3/02, FR vol. 67, no. 128, p. 44541.
- (c) 29 CFR 1915.73. Guarding of deck openings and edges, published 7/3/02, FR vol. 67, no. 128, p. 44541.
- (d) 29 CFR 1915.74. Access to vessels, published 7/3/02, FR vol. 67, no. 128, p. 44541.
- (e) 29 CFR 1915.75. Access to and guarding of dry docks and marine railways, published 7/3/02, FR vol. 67, no. 128, p. 44541.
- (f) 29 CFR 1915.76. Access to cargo spaces and confined spaces, published 4/20/82, FR vol. 47, p. 16984.
- (g) 29 CFR 1915.77. Working surfaces, published amended 7/3/02, FR vol. 67, no. 128, p. 44541.
- (6) Subdivision F
- (a) 29 CFR 1915.80. Scope, application, definitions and effective dates, published 5/2/11, Federal Register vol. 76, no. 84, p. 24576.
- (b) 29 CFR 1915.81. Housekeeping, published 5/2/11, Federal Register vol. 76, no. 84, p. 24576.

- (c) 29 CFR 1915.82 Lighting, published 5/2/11, Federal Register vol. 76, no. 84, p. 24576.
- (d) 29 CFR 1915.83 Utilities, published 5/2/11, Federal Register vol. 76, no. 84, p. 24576.
- (e) 29 CFR 1915.84 Working alone, published 5/2/11, Federal Register vol. 76, no. 84, p. 24576.
- (f) 29 CFR 1915.85 Vessel radar and communication systems, published 5/2/11, Federal Register vol. 76, no. 84, p. 24576.
- (g) 29 CFR 1915.86 Lifeboats, published 5/2/11, Federal Register vol. 76, no. 84, p. 24576.
- (h) 29 CFR 1915.87 Medical services and first aid, published 5/2/11, Federal Register vol. 76, no. 84, p. 24576.
- (i) 29 CFR 1915.88 Sanitation, published 5/2/11, Federal Register vol. 76, no. 84, p. 24576.
- (j) 29 CFR 1915.89 Control of hazardous energy (lockout/tagout), published 5/2/11, Federal Register vol. 76, no. 84, p. 24576.
- (k) 29 CFR 1915.90 Safety color code for marking physical hazards, published 5/2/11, Federal Register vol. 76, no. 84, p. 24576.
- (l) 29 CFR 1915.91. Accident prevention signs and tags, published 5/2/11, Federal Register vol. 76, no. 84, p. 24576.
- (m) 29 CFR 1915.92. Retention of DOT markings, placards, and labels, published 5/2/11, Federal Register vol. 76, no. 84, p. 24576.
- (n) 29 CFR 1915.93. Motor vehicle safety equipment, operation, and maintenance, published 5/2/11, Federal Register vol. 76, no. 84, p. 24576.
- (o) 29 CFR 1915.94. Servicing of multi-piece and single-piece rim wheels, published 5/2/11, Federal Register vol. 76, no. 84, p. 24576.
- (7) Subdivision G
 - (a) 29 CFR 1915.111. Inspection, published 4/20/ 82, FR vol. 47, p. 16984.
 - (b) 29 CFR 1915.112. Ropes, chains and slings, published 6/8/11, Federal Register, vol. 76, no. 110, p. 33590.
 - (c) 29 CFR 1915.113. Shackles and hooks, published 6/8/11, Federal Register, vol. 76, no. 110, p. 33590.
 - (d) 29 CFR 1915.114. Chain falls and pull-lifts, published 4/20/82, FR vol. 47, p. 16984.
 - (e) 29 CFR 1915.115. Hoisting and hauling equipment, published 7/3/02, FR vol. 67, no. 128, p. 44541.
 - (f) 29 CFR 1915.116. Use of gear, published 7/3/02, FR vol. 67, no. 128, p. 44541.
 - (g) 29 CFR 1915.117. Qualifications of operators, published 4/20/82, FR vol. 47, p. 16984.
 - (h) 29 CFR 1915.118. Tables, published 7/3/02, FR vol. 67, no. 128, p. 44541.
- (8) Subdivision H
 - (a) 29 CFR 1915.131. General precautions, published 7/3/02, FR vol. 67, no. 128, p. 44541.
 - (b) 29 CFR 1915.132. Portable electric tools, published 4/20/82, FR vol. 47, p. 16984.
 - (c) 29 CFR 1915.133. Hand tools, published 4/20/ 82, FR vol. 47, p. 16984.
 - (d) 29 CFR 1915.134. Abrasive wheels, published 7/3/02, FR vol. 67, no. 128, p. 44541.
 - (e) 29 CFR 1915.135. Powder actuated fastening tools, published 5/24/96, FR vol. 61, no. 102, p. 26351.
 - (f) 29 CFR 1915.136. Internal combustion engines other than ship's equipment, published 4/20/82, FR vol. 47, p. 16984.
- (9) Subdivision I
 - (a) 29 CFR 1915.151. Scope, application and definitions, published 5/24/96, FR vol. 61, no. 102, p. 26352.
 - (b) 29 CFR 1915.152. General requirements, published 6/8/11, Federal Register, vol. 76, no. 110, p. 33590.
 - (c) 29 CFR 1915.153. Eye and face protection, published 9/9/09, FR vol. 74, no. 173, pp. 46350-46361.
 - (d) 29 CFR 1915.154. Respiratory protection, published 5/24/96, FR vol. 61, no. 102, p. 26354.

- (e) 29 CFR 1915.155. Head protection, published ~~9/9/09, FR vol. 74, no. 173, pp. 46350-46361~~ **6/22/12, FR vol. 77, no. 121, p. 37587.**
- (f) 29 CFR 1915.156. Foot protection, published 9/9/09, FR vol. 74, no. 173, pp. 46350-46361.
- (g) 29 CFR 1915.157. Hand and body protection, published 5/24/96, FR vol. 61, no. 102, p. 26354.
- (h) 29 CFR 1915.158. Lifesaving equipment, published 7/3/02, FR vol. 67, no. 128, p. 44541.
- (i) 29 CFR 1915.159. Personal fall arrest systems (PFAS), published 7/3/02, FR vol. 67, no. 128, p. 44541.
- (j) 29 CFR 1915.160. Positioning device systems, published 7/3/02, FR vol. 67, no. 128, p. 44541.
- Appendix A to Subpart I, published 7/3/02, FR vol. 67, no. 128, p. 44541.
- Appendix B to Subpart I, published 7/3/02, FR vol. 67, no. 128, p. 44541.
- (10) Subdivision J
- (a) 29 CFR 1915.161. Scope and application of subdivision, published 4/20/ 82, FR vol. 47, p. 16984.
- (b) 29 CFR 1915.162. Ship's boilers, published 5/2/11, Federal Register vol. 76, no. 84, p. 24576.
- (c) 29 CFR 1915.163. Ship's piping systems, published 5/2/11, Federal Register vol. 76, no. 84, p. 24576.
- (d) 29 CFR 1915.164. Ship's propulsion machinery, published 5/2/11, Federal Register vol. 76, no. 84, p. 24576.
- (e) 29 CFR 1915.165. Ship's decking machinery, published 7/3/02, FR vol. 67, no. 128, p. 44541.
- (11) Subdivision K
- (a) 29 CFR 1915.171. Scope and application of subdivision, published 4/20/ 82, FR vol. 47, p. 16984.
- (b) 29 CFR 1915.172. Portable air receiver and other unfired pressure vessels, published 7/3/02, FR vol. 67, no. 128, p. 44541.
- (c) 29 CFR 1915.173. Drums and containers, published 4/20/82, FR vol. 47, p. 16984.
- (12) Subdivision L
- (a) 29 CFR 1915.181. Electrical circuits and distribution boards, published 5/2/11, Federal Register vol. 76, no. 84, p. 24576.
- (13) Subdivisions M-O (Reserved)
- (14) Subdivision P
- (a) 29 CFR 1915.501. General provisions, published 9/15/04, FR vol. 69, p. 55667.
- (b) 29 CFR 1915.502. Fire safety plan, published 9/15/04, FR vol. 69, p. 55667.
- (c) 29 CFR 1915.503. Precautions for hot work, published 9/15/04, FR vol. 69, p. 55667.
- (d) 29 CFR 1915.504. Fire watches, published 9/15/04, FR vol. 69, p. 55667.
- (e) 29 CFR 1915.505. Fire response, published 10/17/06, FR vol. 71, no. 200, p. 60843.
- (f) 29 CFR 1915.506. Hazards of fixed extinguishing systems on board vessels and vessel sections, published 9/15/04, FR vol. 69, p. 55667.
- (g) 29 CFR 1915.507. Land-side fire protection systems, published 10/17/06, FR vol. 71, no. 200, p. 60843.
- (h) 29 CFR 1915.508. Training, published 9/15/04, FR vol. 69, p. 55667.
- (i) 29 CFR 1915.509. Definitions applicable to this subpart, published 9/15/04, FR vol. 69, p. 55667.
- Appendix A to Subpart P, published 9/15/04, FR vol. 69, p. 55667.
- (15) Subdivision Q-Y (Reserved)
- (16) Subdivision Z
- (a) 29 CFR 1915.1000, Air Contaminants, published 12/27/11, FR vol. 76, no. 248, p. 80735.
- (b) 29 CFR 1915.1001, Asbestos, published 3/26/12, FR vol. 77, no. 58, p. 17574.

Appendix A to 1915.1001, published 6/29/95, FR vol. 60, p. 33972.
Appendix B to 1915.1001, published 6/29/95, FR vol. 60, p. 33972.
Appendix C to 1915.1001, published 6/8/11, Federal Register, vol. 76, no. 110, p. 33590.
Appendix D to 1915.1001, published 8/10/94, FR vol. 59, p. 40964.
Appendix E to 1915.1001, published 6/29/95, FR vol. 60, p. 33972.
Appendix F to 1915.1001, published 6/29/95, FR vol. 60, p. 33972.
Appendix G to 1915.1001, published 8/10/94, FR vol. 59, p. 40964.
Appendix H to 1915.1001, published 6/29/95, FR vol. 60, p. 33972.
Appendix I to 1915.1001, published 8/10/94, FR vol. 59, p. 40964.
Appendix J to 1915.1001, published 8/10/94, FR vol. 59, p. 40964.
Appendix K to 1915.1001, published 6/29/95, FR vol. 60, p. 33972.
Appendix L to 1915.1001, published 8/23/96, FR vol. 61, p. 43454.
(c) 29 CFR 1915.1002. Coal tar pitch volatiles; interpretation of term, published 6/20/96, FR vol. 61, p. 31427.
(d) 29 CFR 1915.1003. 13 Carcinogens (4-Nitrobiphenyl, etc.), published 6/20/96, FR vol. 61, p. 31427.
(e) 29 CFR 1915.1004. alpha-Naphthylamine, published 6/20/96, FR vol. 61, p. 31427.
(f) 29 CFR 1915.1005. (Reserved)
(g) 29 CFR 1915.1006. Methyl chloromethyl ether, published 6/20/96, FR vol. 61, p. 31427.
(h) 29 CFR 1915.1007. 3,3'Dichlorobenzidene (and its salts), published 6/20/96, FR vol. 61, p. 31427.
(i) 29 CFR 1915.1008. bis-Chloromethyl ether, published 6/20/96, FR vol. 61, p. 31427.
(j) 29 CFR 1915.1009. beta-Naphthylamine, published 6/20/96, FR vol. 61, p. 31427.
(k) 29 CFR 1915.1010. Benzidine, published 6/20/96, FR vol. 61, p. 31427.
(l) 29 CFR 1915.1011. 4-Aminodiphenyl, published 6/20/96, FR vol. 61, p. 31427.
(m) 29 CFR 1915.1012. Ethyleneimine, published 6/20/96, FR vol. 61, p. 31427.
(n) 29 CFR 1915.1013. beta-Propiolactone, published 6/20/96, FR vol. 61, p. 31427.
(o) 29 CFR 1915.1014. 2-Acetylaminofluorene, published 6/20/96, FR vol. 61, p. 31427.
(p) 29 CFR 1915.1015. 4-Dimethylaminoazobenzene, published 6/20/96, FR vol. 61, p. 31427.
(q) 29 CFR 1915.1016. N-Nitrosodimethylamine, published 6/20/96, FR vol. 61, p. 31427.
(r) 29 CFR 1915.1017. Vinyl chloride, published 6/20/96, FR vol. 61, p. 31427.
(s) 29 CFR 1915.1018. Inorganic arsenic, published 6/20/96, FR vol. 61, p. 31427.
(t) 29 CFR 1915.1020 Access to employee exposure and medical records, published 6/20/96, FR vol. 61, p. 31427.
(u) 29 CFR 1915.1025. Lead, published 6/20/96, FR vol. 61, p. 31427.
(v) 29 CFR 1915.1026 Chromium (VI), published 3/26/12, FR vol. 77, no. 58, p. 17574.
(w) 29 CFR 1915.1027. Cadmium, published 6/20/96, FR vol. 61, p. 31427.
(x) 29 CFR 1915.1028. Benzene, published 6/20/96, FR vol. 61, p. 31427.
(y) 29 CFR 1915.1030. Bloodborne pathogens, published 6/20/96, FR vol. 61, p. 31427.
(z) 29 CFR 1915.1044. 1,2 dibromo-3-chloropropane, published 6/20/96, FR vol. 61, p. 31427.
(aa) 29 CFR 1915.1045. Acrylonitrile, published 6/20/96, FR vol. 61, p. 31427.
(bb) 29 CFR 1915.1047. Ethylene oxide, published 6/20/96, FR vol. 61, p. 31427.
(cc) 29 CFR 1915.1048. Formaldehyde, published 6/20/96, FR vol. 61, p. 31427.
(dd) 29 CFR 1915.1050. Methylenedianiline, published 6/20/96, FR vol. 61, p. 31427.
(ee) 29 CFR 1915.1052 Methylene Chloride, published 1/10/97, Federal Register, vol. 62, no. 7, p. 1619.
(ff) 29 CFR 1915.1120 Access to employee exposure and medical records has been redesignated to §1915.1020.
(Note: 29 CFR 1915.99, Hazard Communication was redesignated as 1915.1200 on 7/1/93, FR vol. 58, no. 125, p. 35514.)
(gg) 29 CFR 1915.1200. Hazard communication, published 6/20/96, FR vol. 61, p. 31427.

(hh) 29 CFR 1915.1450. Occupational exposure to hazardous chemicals in laboratories, published 6/20/96, FR vol. 61, p. 31427.

Stat. Auth.: ORS 654.025(2) and 656.726(4).

Stats. Implemented: ORS 654.001 to 654.295.

Hist: OR-OSHA Admin. Order 9-1992, f. 9/24/92, ef. 11/1/92.

OR-OSHA Admin. Order 1-1993, f. 1/22/93, ef. 1/22/93.

OR-OSHA Admin. Order 19-1993, f. 12/29/93, ef. 12/29/93.

OR-OSHA Admin. Order 4-1994, f. 8/4/94, ef. 8/4/94.

OR-OSHA Admin. Order 1-1995, f. 1/19/95, ef. 1/19/95.

OR-OSHA Admin. Order 2-1995, f. 1/25/95, ef. 1/25/95.

OR-OSHA Admin. Order 4-1995, f. 3/29/95, ef. 3/29/95.

OR-OSHA Admin. Order 5-1995, f. 4/6/95, ef. 4/6/95.

OR-OSHA Admin. Order 8-1995, f. 8/25/95, ef. 8/25/95.

OR-OSHA Admin. Order 5-1996, f. 11/29/96, ef. 18/29/96.

OR-OSHA Admin. Order 6-1996, f. 11/29/96, ef. 11/29/96.

OR-OSHA Admin. Order 3-1997, f. 3/28/97, ef. 3/28/97.

OR-OSHA Admin. Order 4-1997, f. 4/2/97, ef. 4/2/97.

OR-OSHA Admin. Order 6-1997, f. 5/2/97, ef. 5/2/97.

OR-OSHA Admin. Order 7-1998, f. 12/28/98, ef. 12/28/98.

OR-OSHA Admin. Order 4-2001, f. 2/5/01, ef. 2/5/01.

OR-OSHA Admin. Order 4-2003, f. 5/6/03, ef. 5/6/03.

OR-OSHA Admin. Order 8-2004, f. 12/30/04, ef. 12/30/04.

OR-OSHA Admin. Order 1-2005, f. 4/12/05, ef. 4/12/05.

OR-OSHA Admin. Order 4-2006, f. 7/24/06, ef. 7/24/06.

OR-OSHA Admin. Order 6-2006, f. 8/30/06, ef. 8/30/06.

OR-OSHA Admin. Order 10-2006, f. 11/30/06, ef. 11/30/06.

OR-OSHA Admin. Order 1-2007, f. 1/9/07, ef. 1/16/07.

OR-OSHA Admin. Order 5-2008, f. 5/1/08, ef. 5/15/08.

OR-OSHA Admin. Order 5-2009, f. 5/29/09, ef. 5/29/09.

OR-OSHA Admin. Order 2-2010, f. 2/25/10, ef. 2/25/10.

OR-OSHA Admin. Order 3-2010, f. 6/10/10, ef. 6/15/10.

OR-OSHA Admin. Order 3-2011, f. 11/1/11, ef. 11/1/11.

OR-OSHA Admin. Order 4-2011, f. 12/8/11, ef. 12/8/11.

OR-OSHA Admin. Order 1-2012, f. 4/10/12, ef. 4/10/12.

OR-OSHA Admin. Order 5-2012, f. 9/25/12, ef. 9/25/12.

OR-OSHA Admin. Order 7-2012, f. 12/14/12, ef. 12/14/12.

PART 1917 – MARINE TERMINALS

437-005-0002

Adoption by Reference.

In addition to, and not in lieu of, any other safety and health codes contained in OAR Chapter 437, the Department adopts by reference the following federal regulations printed as part of the Code of Federal Regulations, 29 CFR 1917, in the Federal Register:

(1) Subdivision A

(a) 29 CFR 1917.1 Scope and applicability, published 2/28/06, FR vol. 71, no. 39, p. 10100.

(b) 29 CFR 1917.2 Definitions, published 6/8/11, Federal Register, vol. 76, no. 110, p. 33590.

- (c) 29 CFR 1917.3 Incorporation by reference, published [9/9/09, FR vol. 74, no. 173, pp. 46350-46364] **6/22/12, FR vol. 77, no. 121, p. 37587.**
- (d) 29 CFR 1917.5 Compliance duties owed to each employee, published 12/12/08, FR vol. 73, no. 240, pp.75568-75589
- (2) Subdivision B
- (a) 29 CFR 1917.11 Housekeeping, published 7/25/97, FR vol. 62, no. 143, p. 40196.
- (b) 29 CFR 1917.12 Slippery conditions, published 7/5/83, FR vol. 48, p. 30909.
- (c) 29 CFR 1917.13 Slinging, published 7/25/97, FR vol. 62, no. 143, p. 40197.
- (d) 29 CFR 1917.14 Stacking of cargo and pallets, published 7/5/83, FR vol. 48, p. 30909.
- (e) 29 CFR 1917.15 Coopering, published 7/5/83, FR vol. 48, p. 30909.
- (f) 29 CFR 1917.16 Line handling, published 7/5/83, FR vol. 48, p. 30909.
- (g) 29 CFR 1917.17 Railroad facilities, published 7/25/97, FR vol. 62, no. 143, p. 40197.
- (h) 29 CFR 1917.18 Log handling, published 7/5/83, FR vol. 48, p. 30909.
- (i) 29 CFR 1917.19 Movement of barges and rail cars, published 7/5/83, FR vol. 48, p. 30909.
- (j) 29 CFR 1917.20 Interference with communications, published 7/25/97, FR vol. 62, no. 143, p. 40197.
- (k) 29 CFR 1917.21 Open fires, published 7/5/83, FR vol. 48, p. 30909.
- (l) 29 CFR 1917.22 Hazardous cargo (see 1917.2(p)), published 7/5/83, FR vol. 48, p. 30909.
- (m) 29 CFR 1917.23 Hazardous atmospheres and substances (see 1917.2(p)), published 6/30/00, FR vol. 65, no. 127, p. 40938.
- (n) 29 CFR 1917.24 Carbon monoxide, published 7/25/97, FR vol. 62, no. 143, p. 40197.
- (o) 29 CFR 1917.25 Fumigants, pesticides, insecticides and hazardous preservatives (see 1917.2(p)), published 6/30/00, FR vol. 65, no. 127, p. 40938.
- (p) 29 CFR 1917.26 First aid and lifesaving facilities, published 6/30/00, FR vol. 65, no. 127, p. 40938.
- (q) 29 CFR 1917.27 Personnel, published 6/30/00, FR vol. 65, no. 127, p. 40938.
- (r) 29 CFR 1917.28 Hazard communication (see also §1917.1(a)(2)(vi)), published 7/25/97, FR vol. 62, no. 143, p. 40198.
- (s) 29 CFR 1917.29 Retention of DOT markings, placards and labels, published 7/19/94, Federal Register, vol. 59, no. 137, p. 36700.
- (t) 29 CFR 1917.30 Emergency action plans, published 6/30/00, FR vol. 65, no. 127, p. 40938.
- (3) Subdivision C
- (a) 29 CFR 1917.41 House falls, published 7/5/83, FR vol. 48, p. 30909.
- (b) 29 CFR 1917.42 Miscellaneous auxiliary gear, published 6/30/00, FR vol. 65, no. 127, p. 40938.
- (c) 29 CFR 1917.43 Powered industrial trucks, published 6/30/00, FR vol. 65, no. 127, p. 40938.
- (d) 29 CFR 1917.44 General rules applicable to vehicles, published 6/30/00, FR vol. 65, no. 127, p. 40938.
- (e) 29 CFR 1917.45 Cranes and derricks (see also §1917.50), published 6/30/00, FR vol. 65, no. 127, p. 40938.
- (f) 29 CFR 1917.46 Load indicating devices, published 7/25/97, FR vol. 62, no. 143, p. 40199.
- (g) 29 CFR 1917.47 Winches, published 7/5/83, FR vol. 48, p. 30909.
- (h) 29 CFR 1917.48 Conveyors, published 7/25/97, FR vol. 62, no. 143, p. 40200.
- (i) 29 CFR 1917.49 Spouts, chutes, hoppers, bins, and associated equipment, published 7/5/83, FR vol. 48, p. 30909.
- (j) 29 CFR 1917.50 Certification of marine terminal material handling devices (see also Mandatory Appendix IV, Part 1918 of this chapter), published 6/30/00, FR vol. 65, no. 127, p. 40938.
- (k) 29 CFR 1917.51 Hand tools, published 7/5/83, FR vol. 48, p. 30909.
- (4) Subdivision D
- (a) 29 CFR 1917.70 General, published 7/5/83, FR vol. 48, p. 30909.

- (b) 29 CFR 1917.71 Terminals handling intermodal container or roll-on roll-off operations, published 12/10/08, FR vol. 73, no. 238, pp. 75246-75290.
- (c) 29 CFR 1917.72 (Reserved)
- (d) 29 CFR 1917.73 Terminal facilities handling menhaden and similar species of fish (see also §1917.2, definition of hazardous cargo, materials, substance, or atmosphere), published 6/30/00, FR vol. 65, no. 127, p. 40938.
- (5) Subdivision E
 - (a) 29 CFR 1917.91 Eye and face protection, published 9/9/09, FR vol. 74, no. 173, pp. 46350-46361.
 - (b) 29 CFR 1917.92 Respiratory protection, published 6/30/00, FR vol. 65, no. 127, p. 40938.
 - (c) 29 CFR 1917.93 Head protection, published ~~9/9/09, FR vol. 74, no. 173, pp. 46350-46361~~ **6/22/12, FR vol. 77, no. 121, p. 37587.**
 - (d) 29 CFR 1917.94 Foot protection, published 9/9/09, FR vol. 74, no. 173, pp. 46350-46361.
 - (e) 29 CFR 1917.95 Other protective measures, published 6/30/00, FR vol. 65, no. 127, p. 40938.
 - (f) 29 CFR 1917.96 Payment for protective equipment, published 11/15/07, FR vol. 72, no. 220, p. 64342.
- (6) Subdivision F
 - (a) 29 CFR 1917.111 Maintenance and load limits, published 7/5/83, FR vol. 48, p. 30909.
 - (b) 29 CFR 1917.112 Guarding of edges, published 6/30/00, FR vol. 65, no. 127, p. 40938.
 - (c) 29 CFR 1917.113 Clearance heights, published 7/5/83, FR vol. 48, p. 30909.
 - (d) 29 CFR 1917.114 Cargo doors, published 7/5/83, FR vol. 48, p. 30909.
 - (e) 29 CFR 1917.115 Platforms and skids, published 7/5/83, FR vol. 48, p. 30909.
 - (f) 29 CFR 1917.116 Elevators and escalators, published 7/13/84, FR vol. 49, p. 28551.
 - (g) 29 CFR 1917.117 Manlifts, published 6/30/00, FR vol. 65, no. 127, p. 40938.
 - (h) 29 CFR 1917.118 Fixed ladders, published 6/30/00, FR vol. 65, no. 127, p. 40938.
 - (i) 29 CFR 1917.119 Portable ladders, published 6/30/00, FR vol. 65, no. 127, p. 40938.
 - (j) 29 CFR 1917.120 Fixed stairways, published 6/30/00, FR vol. 65, no. 127, p. 40938.
 - (k) 29 CFR 1917.121 Spiral stairways, published 6/30/00, FR vol. 65, no. 127, p. 40938.
 - (l) 29 CFR 1917.122 Employee exits, published 6/30/00, FR vol. 65, no. 127, p. 40938.
 - (m) 29 CFR 1917.123 Illumination, published 7/25/97, FR vol. 62, no. 143, p. 40201.
 - (n) 29 CFR 1917.124 Dockboards (car and bridge plates), published 6/30/00, FR vol. 65, no. 127, p. 40938.
 - (o) 29 CFR 1917.125 Guarding temporary hazards, published 7/5/83, FR vol. 48, p. 30909.
 - (p) 29 CFR 1917.126 River banks, published 7/25/97, FR vol. 62, no. 143, p. 40201.
 - (q) 29 CFR 1917.127 Sanitation, published 6/8/11, Federal Register, vol. 76, no. 110, p. 33590.
 - (r) 29 CFR 1917.128 Signs and marking, published 7/5/83, FR vol. 48, p. 30909.
- (7) Subdivision G
 - (a) 29 CFR 1917.151 Machine guarding, published 6/30/00, FR vol. 65, no. 127, p. 40938.
 - (b) 29 CFR 1917.152 Welding, cutting and heating (hot work) (see also §1917.2, definition of hazardous cargo, materials, substance, or atmosphere), published 6/30/00, FR vol. 65, no. 127, p. 40938.
 - (c) 29 CFR 1917.153 Spray painting (see also §1917.2, definition of hazardous cargo, materials, substance, or atmosphere), published 6/30/00, FR vol. 65, no. 127, p. 40938.
 - (d) 29 CFR 1917.154 Compressed air, published 7/5/83, FR vol. 48, p. 30909.
 - (e) 29 CFR 1917.155 Air receivers, published 7/5/83, FR vol. 48, p. 30909.
 - (f) 29 CFR 1917.156 Fuel handling and storage, published 6/30/00, FR vol. 65, no. 127, p. 40938.
 - (g) 29 CFR 1917.157 Battery charging and changing, published 7/5/83, FR vol. 48, p. 30909; 7/25/97, FR vol. 62, no. 143, p. 40202.
 - (h) 29 CFR 1917.158 Prohibited operations, published 7/5/83, FR vol. 48, p. 30909.

These standards are available at the Department of Consumer and Business Services, Oregon Occupational Safety and Health Division, and the United States Government Printing Office.

Stat. Auth.: ORS 654.025(2) and 656.726(4).

Stats. Implemented: ORS 654.001 to 654.295.

Hist: OR-OSHA Admin. Order 9-1992, f. 9/24/92, ef. 11/1/92.

OR-OSHA Admin. Order 4-1994, f. 8/4/94, ef. 8/4/94.

OR-OSHA Admin. Order 1-1995, f. 1/19/95, ef. 1/19/95.

OR-OSHA Admin. Order 5-1995, f. 4/6/95, ef. 4/6/95.

OR-OSHA Admin. Order 9-1997, f. 12/31/97, ef. 12/31/97.

OR-OSHA Admin. Order 9-2000, f. 10/10/00, ef. 10/10/00.

OR-OSHA Admin. Order 6-2006, f. 8/30/06, ef. 8/30/06.

OR-OSHA Admin. Order 5-2008, f. 5/1/08, ef. 5/15/08.

OR-OSHA Admin. Order 5-2009, f. 5/29/09, ef. 5/29/09.

OR-OSHA Admin. Order 6-2009, f. 6/5/09, ef. 6/5/09.

OR-OSHA Admin. Order 2-2010, f. 2/25/10, ef. 2/25/10.

OR-OSHA Admin. Order 4-2011, f. 12/8/11, ef. 12/8/11.

OR-OSHA Admin. Order 7-2012, f. 12/14/12, ef. 12/14/12.

PART 1918 - SAFETY AND HEALTH REGULATIONS FOR LONGSHORING

437-005-0003

Adoption by Reference.

In addition to, and not in lieu of, any other safety and health codes contained in OAR Chapter 437, the Department adopts by reference the following federal regulations printed as part of the Code of Federal Regulations, 29 CFR 1918, in the Federal Register:

(1) Subdivision A

(a) 29 CFR 1918.1 Scope and application, published 2/28/06, FR vol. 71, no. 39, p. 10100.

(b) 29 CFR 1918.2 Definitions, published 6/8/11, Federal Register, vol. 76, no. 110, 33590.

(c) 29 CFR 1918.3 Incorporation by reference, published [9/9/09, FR vol. 74, no. 173, pp. 46350-46364] **6/22/12, FR vol. 77, no. 121, p. 37587.**

(d) 29 CFR 1918.5 Compliance duties owed to each employee, published 12/12/08, FR vol. 73, no. 240, pp. 75568-75589.

(2) Subdivision B

(a) 29 CFR 1918.11 Gear certification (see also §§1918.2 and 1918.51), published 7/25/97, FR vol. 62, no. 143, p. 40202.

(3) Subdivision C

(a) 29 CFR 1918.21 General requirements, published 7/25/97, FR vol. 62, no. 143, p. 40202.

(b) 29 CFR 1918.22 Gangways, published 7/25/97, FR vol. 62, no. 143, p. 40202.

(c) 29 CFR 1918.23 Jacob's ladders, published 7/25/97, FR vol. 62, no. 143, p. 40202.

(d) 29 CFR 1918.24 Fixed and portable ladders, published 6/30/00, FR vol. 65, no. 127, p. 40938.

(e) 29 CFR 1918.25 Bridge plates and ramps (see also §1918.86), published 6/30/00, FR vol. 65, no. 127, p. 40938.

(f) 29 CFR 1918.26 Access to barges and river towboats, published 7/25/97, FR vol. 62, no. 143, p. 40202.

- (4) Subdivision D
 - (a) 29 CFR 1918.31 Hatch coverings, published 7/25/97, FR vol. 62, no. 143, p. 40202.
 - (b) 29 CFR 1918.32 Stowed cargo and temporary landing surfaces, published 7/25/97, FR vol. 62, no. 143, p. 40202.
 - (c) 29 CFR 1918.33 Deck loads, published 7/25/97, FR vol. 62, no. 143, p. 40202.
 - (d) 29 CFR 1918.34 Other decks, published 7/25/97, FR vol. 62, no. 143, p. 40202.
 - (e) 29 CFR 1918.35 Open hatches, published 7/25/97, FR vol. 62, no. 143, p. 40202.
 - (f) 29 CFR 1918.36 Weather deck rails, published 7/25/97, FR vol. 62, no. 143, p. 40202.
 - (g) 29 CFR 1918.37 Barges, published 6/30/00, FR vol. 65, no. 127, p. 40938.
- (5) Subdivision E
 - (a) 29 CFR 1918.41 Coaming clearances, published 6/30/00, FR vol. 65, no. 127, p. 40938.
 - (b) 29 CFR 1918.42 Hatch beam and pontoon bridles, published 6/30/00, FR vol. 65, no. 127, p. 40938.
 - (c) 29 CFR 1918.43 Handling hatch beams and covers, published 6/30/00, FR vol. 65, no. 127, p. 40938.
- (6) Subdivision F
 - (a) 29 CFR 1918.51 General requirements (see also §1918.11 and Appendix III of this part), published 6/30/00, FR vol. 65, no. 127, p. 40938.
 - (b) 29 CFR 1918.52 Specific requirements, published 6/30/00, FR vol. 65, no. 127, p. 40938.
 - (c) 29 CFR 1918.53 Cargo winches, published 7/25/97, FR vol. 62, no. 143, p. 40202.
 - (d) 29 CFR 1918.54 Rigging gear, published 6/30/00, FR vol. 65, no. 127, p. 40938.
 - (e) 29 CFR 1918.55 Cranes (see also §1918.11), published 7/25/97, FR vol. 62, no. 143, p. 40202.
- (7) Subdivision G
 - (a) 29 CFR 1918.61 General (see also Appendix IV of this part), published 6/30/00, FR vol. 65, no. 127, p. 40938.
 - (b) 29 CFR 1918.62 Miscellaneous auxiliary gear, published 6/30/00, FR vol. 65, no. 127, p. 40938.
 - (c) 29 CFR 1918.63 Chutes, gravity conveyors and rollers, published 7/25/97, FR vol. 62, no. 143, p. 40202.
 - (d) 29 CFR 1918.64 Powered conveyors, published 7/25/97, FR vol. 62, no. 143, p. 40202.
 - (e) 29 CFR 1918.65 Mechanically-powered vehicles used aboard vessels, published 6/30/00, FR vol. 65, no. 127, p. 40938.
 - (f) 29 CFR 1918.66 Cranes and derricks other than vessel's gear, published 6/30/00, FR vol. 65, no. 127, p. 40938.
 - (g) 29 CFR 1918.67 Notifying ship's officers before using certain equipment, published 7/25/97, FR vol. 62, no. 143, p. 40202.
 - (h) 29 CFR 1918.68 Grounding, published 7/25/97, FR vol. 62, no. 143, p. 40202.
 - (i) 29 CFR 1918.69 Tools, published 6/30/00, FR vol. 65, no. 127, p. 40938.
 - (j) 29 CFR 1918.70 - 1918.80 (Reserved)
- (8) Subdivision H
 - (a) 29 CFR 1918.81 Slinging, published 7/25/97, FR vol. 62, no. 143, p. 40202.
 - (b) 29 CFR 1918.82 Building drafts, published 7/25/97, FR vol. 62, no. 143, p. 40202.
 - (c) 29 CFR 1918.83 Stowed cargo, tiering and breaking down, published 7/25/97, FR vol. 62, no. 143, p. 40202.
 - (d) 29 CFR 1918.84 Bulling cargo, published 7/25/97, FR vol. 62, no. 143, p. 40202.
 - (e) 29 CFR 1918.85 Containerized cargo operations, published 12/10/08, FR vol. 73, no. 238, pp. 75246-75290.
 - (f) 29 CFR 1918.86 Roll-on roll-off (Ro-Ro) operations (see also §1918.25), published 6/30/00, FR vol. 65, no. 127, p. 40938.
 - (g) 29 CFR 1918.87 Ship's cargo elevators, published 7/25/97, FR vol. 62, no. 143, p. 40202.

- (h) 29 CFR 1918.88 Log operations, published 7/25/97, FR vol. 62, no. 143, p. 40202.
- (i) 29 CFR 1918.89 Handling hazardous cargo (see also §§1918.2 and 1918.99), published 7/25/97, FR vol. 62, no. 143, p. 40202.
- (9) Subdivision I
- (a) 29 CFR 1918.90 Hazard communication (see also §1918.1(b)(4)), published 7/25/97, FR vol. 62, no. 143, p. 40202.
- (b) 29 CFR 1918.91 Housekeeping, published 7/25/97, FR vol. 62, no. 143, p. 40202.
- (c) 29 CFR 1918.92 Illumination, published 7/25/97, FR vol. 62, no. 143, p. 40202.
- (d) 29 CFR 1918.93 Hazardous atmospheres and substances (see also §1918.2(j)), published 7/25/97, FR vol. 62, no. 143, p. 40202.
- (e) 29 CFR 1918.94 Ventilation and atmospheric conditions (see also §1918.2), published 6/30/00, FR vol. 65, no. 127, p. 40938.
- (f) 29 CFR 1918.95 Sanitation , published 6/8/11, Federal Register, vol. 76, no. 110, p. 33590.
- (g) 29 CFR 1918.96 Maintenance and repair work in the vicinity of longshoring operations, published 7/25/97, FR vol. 62, no. 143, p. 40202.
- (h) 29 CFR 1918.97 First aid and lifesaving facilities (see also Appendix V of this part), published 6/30/00, FR vol. 65, no. 127, p. 40938.
- (i) 29 CFR 1918.98 Qualifications of machinery operators and supervisory training, published 6/30/00, FR vol. 65, no. 127, p. 40938.
- (j) 29 CFR 1918.99 Retention of DOT markings, placards and labels, published 7/25/97, FR vol. 62, no. 143, p. 40202.
- (k) 29 CFR 1918.100 Emergency action plans, published 6/30/00, FR vol. 65, no. 127, p. 40938.
- (10) Subdivision J
- (a) 29 CFR 1918.101 Eye and face protection, published 9/9/09, FR vol. 74, no. 173, pp. 46350-46361.
- (b) 29 CFR 1918.102 Respiratory protection, published 6/30/00, FR vol. 65, no. 127, p. 40938.
- (c) 29 CFR 1918.103 Head protection, published ~~9/9/09, FR vol. 74, no. 173, pp. 46350-46361~~ **6/22/12, FR vol. 77, no. 121, p. 37587.**
- (d) 29 CFR 1918.104 Foot protection, published 9/9/09, FR vol. 74, no. 173, pp. 46350-46361.
- (e) 29 CFR 1918.105 Other protective measures, published 6/30/00, FR vol. 65, no. 127, p. 40938.
- (f) 29 CFR 1918.106 Payment for protective equipment, published 11/15/07, FR vol. 72, no. 220, p. 64342.
- (11) Appendix I – Cargo Gear Register and Certificates (Non-Mandatory), published 7/25/97, FR vol. 62, no. 143, p. 40202.
- (12) Appendix II – Tables for Selected Miscellaneous Auxiliary Gear (Mandatory), published 6/30/00, FR vol. 65, no. 127, p. 40938.
- (13) Appendix III – The Mechanics of Conventional Cargo Gear (Non-Mandatory), published 7/25/97, FR vol. 62, no. 143, p. 40202.
- (14) Appendix IV – Special Cargo Gear (Mandatory), published 6/30/00, FR vol. 65, no. 127, p. 40938.
- (15) Appendix V – Basic Elements of a First Aid Training Program (Non-Mandatory), published 7/25/97, FR vol. 62, no. 143, p. 40202.

These standards are available at the Department of Consumer and Business Services, Oregon Occupational Safety and Health Division, and the United States Government Printing Office.

Stat. Auth.: ORS 654.025(2) and 656.726(4).

Stats. Implemented: ORS 654.001 to 654.295.

Hist: OR-OSHA Admin. Order 9-1992, f. 9/24/92, ef. 11/1/92.

OR-OSHA Admin. Order 4-1994, f. 8/4/94, ef. 8/4/94.

OR-OSHA Admin. Order 1-1995, f. 1/19/95, ef. 1/19/95.

OR-OSHA Admin. Order 5-1995, f. 4/6/95, ef. 4/6/95.
OR-OSHA Admin. Order 9-1997, f. 12/31/97, ef. 12/31/97.
OR-OSHA Admin. Order 9-2000, f. 10/10/00, ef. 10/10/00.
OR-OSHA Admin. Order 6-2006, f. 8/30/06, ef. 8/30/06.
OR-OSHA Admin. Order 5-2008, f. 5/1/08, ef. 5/15/08.
OR-OSHA Admin. Order 5-2009, f. 5/29/09, ef. 5/29/09.
OR-OSHA Admin. Order 6-2009, f. 6/5/09, ef. 6/5/09.
OR-OSHA Admin. Order 2-2010, f. 2/25/10, ef. 2/25/10.
OR-OSHA Admin. Order 4-2011, f. 12/8/11, ef. 12/8/11.
OR-OSHA Admin. Order 7-2012, ef. 12/14/12, ef. 12/14/12.