

Table of Contents

1903 - Inspections, Citations, and Proposed Penalties

§1903.1	Purpose and scope	1
§1903.2	Posting of notice; availability of the Act, regulations and applicable standards	1
§1903.3	Authority for inspection	1
§1903.4	Objection to inspection	1
§1903.5	Entry not a waiver	2
§1903.6	Advance notice of inspections	2
§1903.7	Conduct of inspections	2
§1903.8	Representatives of employers and employees	2
§1903.9	Trade secrets	3
§1903.10	Consultation with employees	3
§1903.11	Complaints by employees	3
§1903.12	Inspection not warranted; informal review	3
§1903.13	Imminent danger	3
§1903.14	Citations; notices of de minimis violations; policy regarding employee rescue activities	4
§1903.14a	Petitions for modification of abatement date	4
§1903.15	Proposed penalties	4
§1903.16	Posting of citations	5
§1903.17	Employer and employee contests before the Review Commission	5
§1903.18	Failure to correct a violation for which a citation has been issued	5

§1903.19	Abatement verification	5
§1903.20	Informal conferences	7
§1903.21	State administration	7
§1903.22	Definitions	7

1904 - Recording and Reporting Occupational Injuries and Illnesses

Subpart A - Purpose	9
§1904.0	
Subpart B - Scope	9
§1904.1-Appendix A to Subpart B	
Subpart C - Recordkeeping Forms and Recording Criteria	10
§§1904.4-1904.29	
Subpart D - Other OSHA Injury and Illness Recordkeeping Requirements	16
§§1904.30-1904.38	
Subpart E - Reporting Fatality, Injury, and Illness Information to the Government	18
§§1904.39-1904.42	
Subpart F - Transition from the Former Rule	19
§§1904.43-1904.45	
Subpart G - Definitions	20
§1904.46	

Subpart A - General

§1910.1	Purpose and scope	21
§1910.2	Definitions	21
§1910.3	Petitions for the issuance, amendment, or repeal of a standard	21
§1910.4	Amendments to this part	21
§1910.5	Applicability of standards	21
§1910.6	Incorporation by reference	22
§1910.7	Definition and requirements for a nationally recognized testing laboratory	26
§1910.8	OMB control numbers under the Paperwork Reduction Act	29

Subpart B - Adoption and Extension of Established Federal Standards

§1910.11	Scope and purpose	31
§1910.12	Construction work	31
§1910.15	Shipyard employment	31
§1910.16	Longshoring and marine terminals	31
§1910.17	Effective dates	32
§1910.18	Changes in established Federal standards	32
§1910.19	Special provisions for air contaminants	32

Subpart C [Reserved]

Subpart D - Walking-Working Surfaces

§1910.21	Definitions	33
§1910.22	General requirements	35
§1910.23	Guarding floor and wall openings and holes	36
§1910.24	Fixed industrial stairs	37
§1910.25	Portable wood ladders	38
§1910.26	Portable metal ladders	39
§1910.27	Fixed ladders	40
§1910.28	Safety requirements for scaffolding	43
§1910.29	Manually propelled mobile ladder stands and scaffolds (towers)	50
§1910.30	Other working surfaces	51

Subpart E - Exit Routes, Emergency Action Plans, and Fire Prevention Plans

§1910.33	Table of contents	53
§1910.34	Coverage and definitions	53
§1910.35	Compliance with NFPA 101-2000, Life Safety Code	53
§1910.36	Design and construction requirements for exit routes	53
§1910.37	Maintenance, safeguards, and operational features for exit routes	54
§1910.38	Emergency action plans	54
§1910.39	Fire prevention plans	55
App. to Subpart E	Exit routes, emergency action plans, and fire prevention plans	55

Subpart F - Powered Platforms, Manlifts, and Vehicle-Mounted Work Platforms

§1910.66	Powered platforms for building maintenance	57
§1910.67	Vehicle-mounted elevating and rotating work platforms	73
§1910.68	Manlifts	74

Subpart G - Occupational Health and Environmental Control

§1910.94	Ventilation	77
§1910.95	Occupational noise exposure	85
§1910.97	Nonionizing radiation	92
§1910.98	Effective dates	93

Subpart H - Hazardous Materials

§1910.101	Compressed gases (general requirements)	95
§1910.102	Acetylene	95
§1910.103	Hydrogen	95
§1910.104	Oxygen	99
§1910.105	Nitrous oxide	101
§1910.106	Flammable and combustible liquids	101

§1910.107	Spray finishing using flammable and combustible materials	117
§1910.108	[Reserved]	121
§1910.109	Explosives and blasting agents	122
§1910.110	Storage and handling of liquefied petroleum gases	131
§1910.111	Storage and handling of anhydrous ammonia	149
§§1910.112-1910.113	[Reserved]	157
§1910.119	Process safety management of highly hazardous chemicals	157
§1910.120	Hazardous waste operations and emergency response	167
§1910.121	[Reserved]	190
§1910.122	Table of contents	190
§1910.123	Dipping and coating operations: Coverage and definitions	190
§1910.124	General requirements for dipping and coating operations	190
§1910.125	Additional requirements for dipping and coating operations that use flammable or combustible liquids	191
§1910.126	Additional requirements for special dipping and coating operations	192

Subpart I - Personal Protective Equipment

§1910.132	General requirements	193
§1910.133	Eye and face protection	193
§1910.134	Respiratory protection	194
§1910.135	Head protection	207
§1910.136	Foot protection	207
§1910.137	Electrical protective equipment	207
§1910.138	Hand protection	209
Subpart I		
Appendix A	References for further information (non-mandatory)	209
Appendix B	Compliance guidelines for hazard assessment and personal protective equipment selection (non-mandatory)	209

Subpart J - General Environmental Controls

§1910.141	Sanitation	213
§1910.142	Temporary labor camps	214
§1910.143	Nonwater carriage disposal systems	215
§1910.144	Safety color code for marking physical hazards	215
§1910.145	Specifications for accident prevention signs and tags	216
§1910.146	Permit-required confined spaces	217
§1910.147	The control of hazardous energy (lockout/tagout)	229

Subpart K - Medical and First Aid

§1910.151	Medical services and first aid	233
§1910.152	[Reserved]	233

Subpart L - Fire Protection

§1910.155	Scope, application, and definitions applicable to this subpart	235
§1910.156	Fire brigades	236
§1910.157	Portable fire extinguishers	238
§1910.158	Standpipe and hose systems	239
§1910.159	Automatic sprinkler systems	240
§1910.160	Fixed extinguishing systems, general	240
§1910.161	Fixed extinguishing systems, dry chemical	241
§1910.162	Fixed extinguishing systems, gaseous agent	241
§1910.163	Fixed extinguishing systems, water spray and foam	241
§1910.164	Fire detection systems	241
§1910.165	Employee alarm systems	242
Subpart L		
Appendix A	Fire protection	242
Appendix B	National consensus standards	249
Appendix C	Fire protection references for further information	250
Appendix D	Availability of publications incorporated by reference in Section 1910.156 Fire Brigades	251
Appendix E	Test methods for protective clothing	252

Subpart M - Compressed Gas and Compressed Air Equipment

§§1910.166-1910.168	[Reserved]	255
§1910.169	Air receivers	255

Subpart N - Materials Handling and Storage

§1910.176	Handling materials — general	257
§1910.177	Servicing multi-piece and single-piece rim wheels	257
§1910.178	Powered industrial trucks	259
§1910.179	Overhead and gantry cranes	264
§1910.180	Crawler, locomotive, and truck cranes	269
§1910.181	Derricks	272
§1910.183	Helicopters	276
§1910.184	Slings	277

Subpart O - Machinery and Machine Guarding

§1910.211	Definitions	289
§1910.212	General requirements for all machines	292
§1910.213	Woodworking machinery requirements	293
§1910.214	Cooperage machinery	296
§1910.215	Abrasive wheel machinery	296
§1910.216	Mills and calenders in the rubber and plastics industries	304
§1910.217	Mechanical power presses	304
§1910.218	Forging machines	318
§1910.219	Mechanical power-transmission apparatus	320

Subpart P - Hand and Portable Powered Tools and Other Hand-Held Equipment

§1910.241	Definitions	323
§1910.242	Hand and portable powered tools and equipment, general	324
§1910.243	Guarding of portable powered tools	324
§1910.244	Other portable tools and equipment	327

Subpart Q - Welding, Cutting, and Brazing

§1910.251	Definitions	329
§1910.252	General requirements	329
§1910.253	Oxygen-fuel gas welding and cutting	332
§1910.254	Arc welding and cutting	339
§1910.255	Resistance welding	340

Subpart R - Special Industries

§1910.261	Pulp, paper, and paperboard mills	341
§1910.262	Textiles	346
§1910.263	Bakery equipment	350
§1910.264	Laundry machinery and operations	353
§1910.265	Sawmills	353
§1910.266	Logging operations	360
§1910.268	Telecommunications	366
§1910.269	Electric power generation, transmission, and distribution	374
§1910.272	Grain handling facilities	398

Subpart S - Electrical

§1910.301	Introduction	405
§1910.302	Electric utilization systems	405
§1910.303	General requirements	405
§1910.304	Wiring design and protection	407
§1910.305	Wiring methods, components, and equipment for general use	409
§1910.306	Specific purpose equipment and installations	412
§1910.307	Hazardous (classified) locations	414
§1910.308	Special systems	415
§§1910.309-1910.330	[Reserved]	416
§1910.331	Scope	416
§1910.332	Training	417
§1910.333	Selection and use of work practices	417
§1910.334	Use of equipment	419
§1910.335	Safeguards for personnel protection	420

§§1910.336-1910.360	[Reserved]	420
§§1910.361-1910.380	[Reserved]	420
§§1910.381-1910.398	[Reserved]	420
§1910.399	Definitions applicable to this subpart	420
Subpart S		
Appendix A	Reference documents	425
Appendix B	Explanatory data	425
Appendix C	Tables, notes, and charts	425

Subpart T - Commercial Diving Operations

§1910.401	Scope and application	427
§1910.402	Definitions	427
§1910.410	Qualifications of dive team	428
§1910.420	Safe practices manual	428
§1910.421	Pre-dive procedures	428
§1910.422	Procedures during dive	428
§1910.423	Post-dive procedures	429
§1910.424	SCUBA diving	429
§1910.425	Surface-supplied air diving	430
§1910.426	Mixed-gas diving	430
§1910.427	Liveboating	430
§1910.430	Equipment	430
§1910.440	Recordkeeping requirements	431
§1910.441	Effective date	431
Subpart T		
Appendix A	Examples of conditions which may restrict or limit exposure to hyperbaric conditions	432
Appendix B	Guidelines for scientific diving	432
Appendix C	Alternative conditions under §1910.401(a)(3) for recreational diving instructors and diving guides (mandatory)	432

Subparts U-Y [Reserved]

§§1910.901-1910.999	[Reserved]	434
---------------------	------------	-----

Subpart Z - Toxic and Hazardous Substances

§1910.1000	Air contaminants	435
§1910.1001	Asbestos	442
§1910.1002	Coal tar pitch volatiles; interpretation of term	465
§1910.1003	13 carcinogens (4-Nitrobiphenyl, etc.)	465
§1910.1004	alpha-Naphthylamine	467
§1910.1005	[Reserved]	467
§1910.1006	Methyl chloromethyl ether	467
§1910.1007	3,3'-Dichlorobenzidine (and its salts)	467
§1910.1008	bis-Chloromethyl ether	467
§1910.1009	beta-Naphthylamine	467
§1910.1010	Benzidine	467
§1910.1011	4-Aminodiphenyl	467
§1910.1012	Ethyleneimine	467
§1910.1013	beta-Propiolactone	467
§1910.1014	2-Acetylaminofluorene	467
§1910.1015	4-Dimethylaminoazo-benzene	467
§1910.1016	N-Nitrosodimethylamine	467
§1910.1017	Vinyl chloride	467
§1910.1018	Inorganic arsenic	470
§1910.1020	Access to employee exposure and medical records	477
§1910.1025	Lead	481
§1910.1027	Cadmium	498
§1910.1028	Benzene	548
§1910.1029	Coke oven emissions	559
§1910.1030	Bloodborne pathogens	565
§1910.1043	Cotton dust	572
§1910.1044	1,2-dibromo-3-chloropropane	584
§1910.1045	Acrylonitrile	590
§1910.1047	Ethylene oxide	600
§1910.1048	Formaldehyde	612
§1910.1050	Methylenedianiline	625
§1910.1051	1,3-Butadiene	634
§1910.1052	Methylene chloride	646
§1910.1096	Ionizing radiation	658
§1910.1200	Hazard communication	662
§1910.1201	Retention of DOT markings, placards and labels	673
§1910.1450	Occupational exposure to hazardous chemicals in laboratories	673

1928 - Occupational Safety and Health Standards for Agriculture

Subpart A - General	683
§1928.1	
Subpart B - Applicability of Standards	683
§1928.21	
Subpart C - Roll-Over Protective Structures	683
§1928.51-Appendix A to Subpart C	
Subpart D - Safety for Agricultural Equipment	684
§1928.57	
Subparts E-H [Reserved]	686
Subpart I - General Environmental Controls	686
§1928.110	
Subparts J-L [Reserved]	687
Subpart M - Occupational Health	687
§1928.1027	

Addendum

General Duty Clause	689
OSHA Form 300	690
OSHA Forms 300A and 301	692
SIC Division Structure	694
NAICS Codes	696
Incidence Rates of Nonfatal Occupational Injuries and Illnesses	697
Most Common Standards Cited for General Industry (1910)	698
Sharps Injury Log	699
Directory of CFR Titles and Chapters	700
Multi-Employer Citation Policy	703
It's The Law! Mandatory Posting	704
Safety and Health Management Guidelines	705
States with Approved Plans - State Office Directory, Regional and National Offices	706

Letters of Interpretation	707
----------------------------------	-----

Index	719
--------------	-----