The National Energy Technology Laboratory (NETL) Focused Standards List is primarily derived from standard references contained in the requirements section of NETL’s environment, safety, security, and health (ESS&H) and cyber security directives. All standards shall reference the most current edition/version of that standard.

1. **DEPARTMENT OF ENERGY (DOE) AND OTHER GOVERNMENT STANDARDS AND REQUIREMENTS**

   a. **DOE Directives**

   The following DOE directives can be found at [http://www.directives.doe.gov](http://www.directives.doe.gov):

   - DOE Policy 141.1, DOE Management of Cultural Resources
   - DOE Order 142.3, Unclassified Foreign Visits and Assignments Program
   - DOE Order 150.1, Continuity Programs
   - DOE Order 151.1, Comprehensive Emergency Management System
   - DOE Order 200.1, Information Technology Management
   - DOE Order 205.1, Department of Energy Cyber Security Program
   - DOE Order 206.2, Identity, Credential, and Access Management (ICAM)
   - DOE Order 210.2, DOE Corporate Operating Experience Program
   - DOE Order 221.1, Reporting Fraud, Waste, and Abuse to the Office of Inspector General
   - DOE Order 225.1, Accident Investigations
   - DOE Order 226.1, Department of Energy Oversight Policy
   - DOE Order 226.1, Implementation of Department of Energy Oversight Policy
   - DOE Order 231.1, Environment, Safety and Health Reporting
   - DOE Order 232.2, Occurrence Reporting and Processing of Operations Information
   - DOE Order 243.2, Vital Records
   - DOE Order 251.1, Departmental Directives Program
   - DOE Order 252.1, Technical Standards Program
   - DOE Order 341.1, Federal Employee Health Services
   - DOE Order 360.1, Federal Employee Training
   - DOE Policy 411.1, Safety Management Functions, Responsibilities, and Authorities Policy
   - DOE Order 414.1, Quality Assurance
   - DOE Order 420.1, Facility Safety
   - DOE Order 422.1, Conduct of Operations
   - DOE Order 435.1, Radioactive Waste Management
   - DOE Order 436.1, Departmental Sustainability
   - DOE Order 440.1, Worker Protection Program for DOE (including the National Nuclear Security Administration) Federal Employees
   - DOE Order 442.1, Department of Energy Employee Concerns Program
   - DOE Order 450.2, Integrated Safety Management
b. Other DOE Requirements

DOE Acquisition Regulation

DOE Motor Vehicle Management Handbook
http://www.gsa.gov/portal/content/104602

DOE’s Pollution Prevention Tracking and Reporting System (PPTRS)/Consolidated Energy Data Report (CEDR)


Under Secretary of Energy Program Cyber Security Plan (PCSP), version 1.2 (Official Use Only)

c. Executive Orders

The following Executive Orders can be found at http://www.archives.gov/federal-register/executive-orders/disposition.html.
Executive Order 11988, Floodplain Management
Executive Order 11990, Protection of Wetlands
Executive Order 12088, Federal Compliance with Pollution Control Standards
Executive Order 12114, Environmental Effects Abroad of Major Federal Actions
Executive Order 12196, Occupational Safety and Health Programs
Executive Order 12898, Federal Actions to Address Environmental Justice in Minority Populations and Low-Income Populations
Executive Order 12968, Access to Classified Information
Executive Order 13043, Increasing Seat Belt Use in the United States
Executive Order 13058, Protecting Federal Employees and the Public from Exposure to Tobacco Smoke in the Federal Workplace
Executive Order 13423, Strengthening Federal Environmental, Energy, and Transportation Management
Executive Order 13513, Federal Leadership on Reducing Text Messaging While Driving
Executive Order 13514, Federal Leadership in Environmental, Energy, and Economic Performance
Executive Order 13526, Classified National Security Information

d. Other Federal Government Requirements

Atomic Energy Act of 1954

FAR 52.245-1, Government Property

FAR 52.245-2, Government Property Installation Operation Services

FMR Bulletin B-2, Wireless Phone Use in U.S. Government Vehicles
FMR_Bulletin-B-2Wireless_Phone_R24T4U_0Z5RDZ-i34K-pR.pdf

FMR Bulletin B-3, Use of Tobacco Products in U.S. Government Vehicles
FMR_Bulletin-B-3UseTobaccoProducts_R24T4U_0Z5RDZ-i34K-pR.pdf

FMR Part 102-74, Subpart C, Conduct on Federal Property
www.gsa.gov/federalmanagementregulation

FMR Part 102-34, Motor Vehicle Management
www.gsa.gov/federalmanagementregulation

GSA, Facilities Standards for the Public Buildings Service
http://www.gsa.gov/portal/category/106319
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National Industrial Security Program  
http://www.archives.gov/isoo/oversight-groups/nisp

National Institute of Standards and Technology (NIST), Special Publication 800-53, Recommended Security Controls for Federal Information Systems  
http://csrc.nist.gov/publications/PubsSPs.html

National Institute of Standards and Technology (NIST), Special Publication 800-70, Security Configuration Checklists Program for IT Products  
http://csrc.nist.gov/publications/PubsSPs.html

Negotiated Agreements between NETL and American Federation of Government Employees (AFGE) Locals 1995, 1916, and 1104  
http://myportal/LMF/Pages/default.aspx

Office of Management and Budget (OMB), Circular A-130, Management of Federal Information Resources  
http://www.whitehouse.gov/sites/default/files/omb/assets/omb/circulars/a130/a130trans4.pdf

Office of Management and Budget (OMB), Circular A-130, Appendix III, Security of Federal Automated Information Resources  
http://www.whitehouse.gov/omb/circulars_a130_a130appendix_iii

REAL ID Act, Title III, Improved Security for Drivers’ Licenses and Personal Identification Cards  
https://www.dhs.gov/xlibrary/assets/real-id-act-text.pdf

U.S. Postal Service Domestic and International Mail Manual  
http://pe.usps.com/text/dmm300_landing.htm

2. **STATUTORY ES&H STANDARDS**

   a. Federal


      10 CFR Chapter I, Nuclear Regulatory Commission  
      10 CFR 20, Standards for Protection Against Radiation  
      10 CFR 725, Permits for Access to Restricted Data  
      10 CFR 835, Occupational Radiation Protection  
      10 CFR 851, Worker Safety and Health Program  
      10 CFR 860.4, Unauthorized Introduction of Weapons or Dangerous Materials  
      10 CFR 860.6, Posting
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10 CFR 1021, National Environmental Policy Act Implementing Procedures
10 CFR 1022, Compliance with Floodplain and Wetland Environmental Review Requirements
15 CFR 730-774, Export Administration Regulations (EAR)
21 CFR 1040, Performance Standards for Light-Emitting Products
22 CFR 120-130, International Traffic in Arms Regulations (ITAR)

29 CFR 1004, Recording and Reporting Occupational Injuries and Illnesses
29 CFR 1010, Occupational Safety and Health Standards
29 CFR 1010, Occupational Safety and Health Standards, Subparts D, F, H, I, J, L, O, P, Q, S, and Z
29 CFR 1010.22, General Requirements (walking and working surfaces)
29 CFR 1010.23, Guarding Floor and Wall Openings and Holes
29 CFR 1010.24, Fixed Industrial Stairs
29 CFR 1010.27, Fixed Ladders
29 CFR 1010.28, Safety Requirements for Scaffolding
29 CFR 1010.33-39, Means of Egress
29 CFR 1010.37, Maintenance, Safeguards, and Operational Features for Exit Routes
29 CFR 1010.38, Emergency Action Plans
29 CFR 1010.39, Fire Prevention Plans
29 CFR 1010.66, Powered Platforms for Building Maintenance
29 CFR 1010.94, Ventilation
29 CFR 1010.95, Occupational Noise Exposure
29 CFR 1010.97, Nonionizing Radiation
29 CFR 1010.101, Compressed Gases
29 CFR 1010.102, Acetylene
29 CFR 1010.103, Hydrogen
29 CFR 1010.104, Oxygen
29 CFR 1010.105, Nitrous Oxide
29 CFR 1010.106, Flammable and Combustible Liquids
29 CFR 1010.109(a), Explosives and Blasting Agents
29 CFR 1010.110, Storage and Handling of Liquefied Petroleum Gases
29 CFR 1010.119, Process Safety Management of Highly Hazardous Chemicals
29 CFR 1010.120, Hazardous Waste Operations and Emergency Response
29 CFR 1010.132, General Requirements for PPE
29 CFR 1010.133, Eye and Face Protection
29 CFR 1010.134, Respiratory Protection
29 CFR 1010.135, Head Protection
29 CFR 1010.136, Foot Protection
29 CFR 1010.137, Electrical Protective Equipment

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NETL Focused Standards List

29 CFR 1910.141, Sanitation
29 CFR 1910.145, Specifications for Accident Prevention Signs and Tags
29 CFR 1910.146, Permit-Required Confined Spaces
29 CFR 1910.147, Control of Hazardous Energy (Lockout/Tagout)
29 CFR 1910.151, Medical Services and First Aid
29 CFR 1910.157, Portable Fire Extinguishers
29 CFR 1910.158, Standpipe and Hose Systems
29 CFR 1910.159, Automatic Sprinkler Systems
29 CFR 1910.161, Fixed Extinguishing Systems, Dry Chemical
29 CFR 1910.162, Fixed Extinguishing Systems, Gaseous Agent
29 CFR 1910.165, Employee Alarm Systems
29 CFR 1910.178, Powered Industrial Trucks
29 CFR 1910.251-255, Welding, Cutting, and Brazing
29 CFR 1910.252, General Requirements
29 CFR 1910.268, Telecommunications
29 CFR 1910.303, General Requirements Electrical
29 CFR 1910.307, Hazardous (Classified) Locations
29 CFR 1910.331-335, Electrical Safety-Related Work Practice Standards
29 CFR 1910.334, Use of Equipment
29 CFR 1910.335, Safeguards for Personnel Protection
29 CFR 1910.441(a)(6), Batteries and Battery Charging
29 CFR 1910.1000, Air Contaminants
29 CFR 1910.1001, Asbestos
29 CFR 1910.1001-1052, Asbestos to Methylen Chloride
29 CFR 1910.1001-1096, Asbestos to Ionizing Radiation
29 CFR 1910.1003, 13 Carcinogens
29 CFR 1910.1004, Alpha-Naphthylamine
29 CFR 1910.1020, Access to Employee Exposure and Medical Records
29 CFR 1910.1025, Lead
29 CFR 1910.1030, Bloodborne Pathogens
29 CFR 1910.1450, Occupational Exposure to Hazardous Chemicals in Laboratories
29 CFR 1926, Safety and Health Regulations for Construction
29 CFR 1926.21, Safety Training and Education
NETL Focused Standards List

29 CFR 1926.25, Housekeeping  
29 CFR 1926.26, Illumination  
29 CFR 1926.50, Medical Services and First Aid  
29 CFR 1926.51, Sanitation  
29 CFR 1926.52, Occupational Noise Exposure  
29 CFR 1926.54, Nonionizing Radiation  
29 CFR 1926.55, Gases, Vapors, Fumes, Dusts, and Mists  
29 CFR 1926.59, Hazard Communication  
29 CFR 1926.62, Lead  
29 CFR 1926.65, Hazardous Waste Operations and Emergency Response  
29 CFR 1926.95, Criteria for Personal Protective Equipment  
29 CFR 1926.96, Occupational Foot Protection  
29 CFR 1926.100, Head Protection  
29 CFR 1926.104, Safety Belts, Lifelines, and Lanyards  
29 CFR 1926.105, Safety Nets  
29 CFR 1926.200, Accident Prevention Signs and Tags  
29 CFR 1926.252, Disposal of Waste Materials  
29 CFR 1926.403, General Requirements  
29 CFR 1926.417, Lockout and Tagging of Circuits  
29 CFR 1926.552, Material Hoists, Personnel Hoists, and Elevators  
29 CFR 1926.601, Motor Vehicles  
29 CFR 1926.652, Requirements for Protective Systems  
29 CFR 1926.1060, Training Requirements  
29 CFR 1926.1101, Asbestos  
29 CFR 1960, Basic Program Elements for Federal Employee Occupational Safety and Health Programs and Related Matters  
29 CFR 1960, Subpart I, Recordkeeping and Reporting Requirements  
29 CFR 1960.17, Alternate Standards  
29 CFR 1960.28, Employee Reports of Unsafe or Unhealthful Working Conditions  
29 CFR 1990, Identification, Classification, and Regulation of Potential Occupational Carcinogens  
36 CFR 800, Protection of Historic Properties  
40 CFR, Protection of Environment  
40 CFR Chapter I, Subchapters C, I, J, and N  
40 CFR 61, National Emission Standard for Hazardous Air Pollutants  
40 CFR 80.29, Controls and Prohibitions on Diesel Fuel Quality  
40 CFR 82, Protection of Stratospheric Ozone  
40 CFR 110, Discharge of Oil  
40 CFR 112, Oil Pollution Prevention  
40 CFR 116, Designation of Hazardous Substances  
40 CFR 117, Determination of Reportable Quantities for Hazardous Substances  
40 CFR 122, National Pollutant Discharge Elimination System  
40 CFR 129, Toxic Pollutant Effluent Standards  
40 CFR 131, Water Quality Standards
40 CFR 136, Guidelines Establishing Test Procedures for the Analysis of Pollutants
40 CFR 141, National Primary Drinking Water Regulations
40 CFR 142, National Primary Drinking Water Regulation Implementation
40 CFR 143, National Secondary Drinking Water Regulations
40 CFR 258, Criteria for Municipal Solid Waste Landfills
40 CFR 260-265, Hazardous Waste Management System
40 CFR 261, Identification and Listing of Hazardous Waste
40 CFR 262, Standards Applicable to Generators of Hazardous Waste
40 CFR 265, Interim Status Standards for Owners and Operators of Hazardous Waste Treatment, Storage, and Disposal Facilities
40 CFR 270, Hazardous Waste Permit Program
40 CFR 279, Standards for the Management of Used Oil
40 CFR 302, Designation, Reportable Quantities, and Notification
40 CFR 302.4, Designation of Hazardous Substances
40 CFR 355, Emergency Planning and Notification
40 CFR 370, Hazardous Chemical Reporting: Community Right-to-Know
40 CFR 372.65, Toxic Chemical Release Reporting: Community Right-to-Know, Chemicals and Chemical Categories
40 CFR 373, Standards for Universal Waste Management
40 CFR 401, General Provisions for Effluent Guidelines and Standards
40 CFR 403, General Pretreatment Regulations for Existing and New Sources of Pollution
40 CFR 745, Lead-Based Paint Poisoning Prevention in Certain Residential Structures
40 CFR 763, Asbestos
40 CFR 1500-1508, Regulations for Implementing the Procedural Provisions of the National Environmental Policy Act
41 CFR 101, Federal Property Management Regulations
41 CFR 101-20.3, Conduct on Federal Property
41 CFR 101-20.301, Inspection
41 CFR 102-34, Motor Vehicle Management
41 CFR 102-192, Mail Management
41 CFR 102.1-220, Federal Management Regulation
41 CFR 109-1.5107, Physical Protection of Personal Property
41 CFR 109-38, Motor Equipment Management
42 CFR 84, Approval of Respiratory Protective Devices
45 CFR 160 and 164, Standards for Privacy of Individually identifiable Health Information
48 CFR 952, Solicitation Provisions and Contract Clauses
49 CFR 105-177, Pipeline and Hazardous Materials Safety Administration, Department of Transportation
49 CFR 171-177, Hazardous Materials Regulations
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49 CFR 173, Shippers - General Requirements for Shipments and Packaging
49 CFR 178, Specifications for Packagings
49 CFR 350-399, Federal Motor Carrier Safety Regulations

(2) United States Codes (USCs): The following USCs can be found at http://www.gpoaccess.gov/uscode/index.html.

5 USC 552, The Freedom of Information Act
5 USC 552a, The Privacy Act of 1974
10 USC 2536, Award of Certain Contracts to Entities Controlled by a Foreign Government: Prohibition
16 USC Chapter 35, Endangered Species
16 USC 470, National Historic Preservation
33 USC 1251 et seq., Water Pollution Prevention and Control
40 USC 121(d), Delegation of Authority by Administrator
42 USC Chapter 6A, Subchapter XII, Safety of Public Water Systems
42 USC § 300(f), Safe Drinking Water Act (SDWA), Section 1417
42 USC 4321 et seq., National Environmental Policy
42 USC § 6901 et seq., Solid Waste Disposal Act
42 USC 7401 et seq., Air Pollution Prevention and Control

b. State

State Cell Phone Use and Texting While Driving Laws can be found at http://www.ghsa.org/html/stateinfo/laws/cellphone-laws.html.

(1) Oregon

The following Oregon Administrative Rules (OAR) can be found at http://www.deq.state.or.us/regulations/rules.htm.

Chapter 333, Division 56, Infectious Waste Management
Chapter 333, Division 69, Certification of Individuals and Firms Engaged in Lead-Based Paint Activities
Chapter 340, Division 35, Noise Control Regulations
Chapter 340, Division 40, Groundwater Quality Protection
Chapter 340, Division 41, Water Quality Standards: Beneficial Uses, Policies, and Criteria for Oregon
Chapter 340, Division 42, Total Maximum Daily Load
Chapter 340, Division 45, Regulations Pertaining to NPDES and WPCF Permits
Chapter 340, Division 48, Certification of Compliance with Water Quality Requirements and Standards
Chapter 340, Division 90-97, Recycling, Waste Reduction, and Solid Waste Rules
Chapter 340, Division 100-135, Hazardous Waste Management System
Chapter 340, Division 100-180, Management of Hazardous Wastes and Other Special Wastes
Chapter 340, Division 111, Used Oil Management
Chapter 340, Division 113, Universal Waste Management
Chapter 340, Division 141, Oil Spill Contingency Planning and Fees
Chapter 340, Division 142, Oil and Hazardous Materials Emergency Response Requirements
Chapter 340, Division 150, Underground Storage Tank Rules
Chapter 340, Division 151, Financial Responsibility for USTs
Chapter 340, Division 248, 0010-0290, Asbestos Requirements
Chapter 437, Division 2, Asbestos General Occupational Safety and Health Rules – General Industry
Chapter 437, Division 3, Asbestos General Occupational Safety and Health Rules – Construction

The following Oregon statutes (ORS) can be found at http://landru.leg.state.or.us/ors.

ORS 453.307 to 453.414, Community Information on Hazardous Substances
ORS 454, Sewage Treatment and Disposal Systems
ORS 459, Solid Waste Management
ORS Chapter 459.386-459-405, Infectious Waste Disposal
ORS 459A, Reuse and Recycling
ORS 465.003 to 465.037, Toxics Use Reduction and Hazardous Waste Reduction Act
ORS 465, Hazardous Waste and Hazardous Materials I
ORS 466, Hazardous Waste and Hazardous Materials II
ORS 468, Environmental Quality Generally
ORS 468B, Water Quality

Oregon Department of Environmental Air Quality Program
http://www.oregon.gov/DEQ/AQ

Oregon Department of Environmental Quality (DEQ), Hazardous Waste/Toxics Reduction Policy Clarification, Guidance Number: 1997-PO-002A, Management of Building Demolition Waste
http://www.deq.state.or.us/lq/pubs/docs/hw/Policy/HWPolicy1997PO002A.pdf
(2) Pennsylvania

The following Pennsylvania codes can be found at http://www.pacode.com/index.html.

17 PA Code 47.1-47.8, Drilling Water Wells
25 PA Code, Part I, Subpart C, Article III, Air Resources
25 PA Code 16, Water Quality Toxics Management Strategy -- Statement of Policy
25 PA Code 91, General Provisions
25 PA Code 91.33, Incidents Causing or Threatening Pollution
25 PA Code 92a, National Pollutant Discharge Elimination System Permitting, Monitoring, and Compliance
25 PA Code 93, Water Quality Standards
25 PA Code 94, Municipal Wasteload Management
25 PA Code 102, Erosion and Sediment Control
25 PA Code 216, Registration of Radiation-Producing Machines and Radiation-Producing Machine Providers
25 PA Code 225, Radiation Safety Requirements for Industrial Radiographic Operations
25 PA Code 230, Packaging and Transportation of Radioactive Materials
25 PA Code 236.1 et seq., Low-Level Radioactive Waste Management and Disposal
25 PA Code 245, Administration of the Storage Tank and Spill Prevention Program
25 PA Code 252, Environmental Laboratory Accreditation
25 PA Code 262a, Standards Applicable to Generators of Hazardous Waste
25 PA Code 264a.97, General Groundwater Monitoring Requirements
25 PA Code 287-299, Residual Waste Management
34 PA Code, Part XIII, Worker and Community Right-to-Know Act
34 PA Code 203, Lead-Based Paint Occupation Accreditation and Certification

35 PA CS §§ 691.1 - 691.801, The Clean Streams Law
http://www.elibrary.dep.state.pa.us/dsweb/Get/Document-52060/Act%20394%20of%201937.pdf

35 PA CS § 4001-4015, Air Pollution Control Act
http://www.dep.state.pa.us/dep/deputate/airwaste/aq/regs/apca.pdf


(3) West Virginia

The following West Virginia codes (WVC) can be found at [http://www.legis.state.wv.us/wvcode/code.cfm](http://www.legis.state.wv.us/wvcode/code.cfm).

WVC 16-32, Licensure of Asbestos Abatement Project Designer, Inspectors, Contractors, Management Planners, Workers, and Supervisors
WVC 16-35-1, Lead Abatement Law
WVC 20-5J-1, West Virginia Medical Waste Act
WVC 22-5, Air Pollution Control
WVC 22-11-1, Water Pollution Control Act
WVC 22-18, Hazardous Waste Management Act


WV 33 CSR 01, Solid Waste Management Rule
WV 33 CSR 04, Lead Acid Battery Rule
WV 33 CSR 07, Proof of Proper Solid Waste Disposal
WV 33 CSR 20, Hazardous Waste Management System
WV 33 CSR 20-5, Standards Applicable to Generators of Hazardous Waste
WV 33 CSR 23, Groundwater Protection Standard
WV 33 CSR 30, Underground Storage Tanks
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WV 45 CSR 01, Repeal – Control and Reduction of Nitrogen Oxides from Non-Electric Generating Units as a Means to Mitigate Transport of Ozone Precursors
WV 46 CSR 12, Requirements Governing Groundwater Standards
WV 47 CSR 02, Requirements Governing Water Quality Standards
WV 47 CSR 10, National Pollutant Discharge Elimination System (NPDES) Program
WV 47 CSR 11, Special Rules
WV 47 CSR 26, Water Pollution Control Permit Fee Schedule
WV 47 CSR 32, Regulations Governing Environmental Laboratories, Certification, and Standards of Performance
WV 47 CSR 55, Groundwater Protection Act Fee Schedule
WV 47 CSR 58, Groundwater Protection Regulations
WV 47 CSR 59, Monitoring Well Rule
WV 47 CSR 60, Monitoring Well Design Standards
WV 64 CSR 45, Lead Abatement Licensing
WV 64 CSR 51, Fees for Services
WV 64 CSR 56, Infectious Medical Waste
WV 64 CSR 63, Asbestos Abatement Licensing
WV 157 CSR 07, Transportation of Hazardous Waste

c. Local

(1) Albany, Oregon

City of Albany, OR, Comprehensive Plan, Goal 6, Sound Quality, http://www.cityofalbany.net/comdev/compplan/.


(2) Allegheny County, Pennsylvania

The following Allegheny County Health Department (ACHD) regulations can be found at http://www.achd.net/newweb/regs.html.

ACHD, Article III, Food Protection, Section 323, Ventilation
ACHD, Article VIII, Solid Waste Disposal and Recycling Management
ACHD, Article XV, Plumbing and Building Drainage
ACHD, Article XXI, Air Pollution Control
3. **CONSENSUS STANDARDS**

The following consensus standards are located (or linked) electronically on the ES&HMS Roadmap in section 4.3.2 unless otherwise noted (http://myportal/ORG/OIO/ESSH/Pages/ISO432-consensus.aspx).

References apply to latest edition/most current version.

a. **ACGIH** – American Conference of Governmental Industrial Hygienists

   Note: These are books located in all 3 libraries.

   ACGIH, Industrial Ventilation: A Manual of Recommended Practice for Operation and Maintenance
   ACGIH, Industrial Ventilation: A Manual of Recommended Practice for Design
b. **ANSI** – American National Standards Institute

- ANSI O1.1, Woodworking Machinery – Safety Requirements
- ANSI Z49.1, Safety in Welding, Cutting, and Allied Processes
- ANSI Z88.2, Practices for Respiratory Protection
- ANSI Z136.1, American National Standard for Safe Use of Lasers
- ANSI Z136.2, American National Standard for Safe Use of Optical Fiber Communications Systems Utilizing Laser Diode and LED Sources
- ANSI Z136.6, Safe Use of Lasers Outdoors
- ANSI/AIHA/ASSE Z9.5, Laboratory Ventilation
- ANSI/AIHA/ASSE Z88.6, Respiratory Protection – Respirator Use – Physical Qualifications for Personnel
- ANSI/AIHA/ASSE Z88.7, Color Coding of Air-Purifying Respirator Canisters, Cartridges, and Filters
- ANSI/AIHA/ASSE Z88.10, Respirator Fit Testing Methods
- ANSI/ASA S3.1-1999 (R 2013), Maximum Permissible Ambient Noise Levels for Audiometric Test Rooms
- ANSI/ASA S3.6, Specification for Audiometers
- ANSI/ASSE A10.3-2013, Safety Requirements for Powder Actuated Fastening Systems
- ANSI/ASSE A10.32, Personal Fall Protection Used in Construction and Demolition Operations
- ANSI/ASSE Z117.1-2009, Safety Requirements for Confined Spaces
- ANSI/HPS N43.3, General Radiation Safety Standard for Installations Using Non-Medical X-Ray and Sealed Gamma Ray Sources, Energies up to 10 MeV
- ANSI/IEC 60974-1, Arc Welding Equipment – Part 1: Welding Power Sources
- ANSI/IESNA RP-1, Office Lighting
- ANSI/ISEA Z87.1, American National Standard for Occupational and Educational Personal Eye and Face Protection Devices
- ANSI/ISEA Z89.1, American National Standard for Industrial Head Protection
- ANSI/ISEA Z358.1, American National Standard for Emergency Eyewash and Shower Equipment
- ANSI/ITSDF B56.1, Safety Standard for Low Lift and High Lift Trucks
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ANSI/NEMA Z535.1, Safety Colors
ANSI/NEMA Z535.2, Environmental and Facility Safety Signs
ANSI/NEMA Z535.3, Criteria for Safety Symbols
ANSI/NEMA Z535.5, Safety Tags and Barricade Tapes (for Temporary Hazards)
ANSI/SIA A92.2, Vehicle-Mounted Elevating and Rotating Aerial Devices
ANSI/UL 551, Transformer Type Arc-Welding Machines

c. **ASHRAE** – American Society of Heating, Refrigerating, and Air-Conditioning Engineers

ASHRAE Standard 52.2, Method of Testing General Ventilation Air-Cleaning Devices for Removal Efficiency by Particle Size
ASHRAE Standard 55, Thermal Environmental Conditions for Human Occupancy
ASHRAE Standard 62.1, Ventilation for Acceptable Indoor Air Quality
ASHRAE Standard 110, Method of Testing Performance of Laboratory Fume Hoods

d. **ASME** – American Society of Mechanical Engineers

ASME A13.1, Scheme for Identification of Piping Systems
ASME B31.1, Power Piping
ASME Boiler and Pressure Vessel Code, Section VIII, Division I – Rules for Construction of Pressure Vessels Division I
ASME Boiler and Pressure Vessel Code, Section VIII, Division II – Rules for Construction of Pressure Vessels Division II – Alternative Rules
ASME Boiler and Pressure Vessel Code, Section VIII, Division III – Rules for Construction of Pressure Vessels Division III – Alternative Rules for Construction of High Pressure Vessels

e. **ASTM** – American Society for Testing and Materials

ASTM F2413-11, Standard Specification for Performance Requirements for Protective (Safety) Toe Cap Footwear

f. **CGA** – Compressed Gas Association

CGA C-6, Standards for Visual Inspection of Steel Compressed Gas Cylinders
CGA C-7, Guide to the Classification and Labeling of Compressed Gases
CGA C-8, Standard for Requalification of DOT-3HT, CTC-3HT, and TC-3HTM Seamless Steel Cylinders
CGA G-1, Acetylene
CGA G-8.1, Standard for Nitrous Oxide Systems at Customer Sites
CGA P-1, Standard for Safe Handling of Compressed Gases in Containers
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CGA P-12, Safe Handling of Cryogenic Liquids
CGA P-20, Standard for Classification of Toxic Gas Mixtures
CGA S-1.1, Pressure Relief Device Standards - Part 1- Cylinders for Compressed Gases
CGA S-1.2, Pressure Relief Device Standards – Part 2 - Portable Containers for Compressed Gases
CGA S-1.3, Pressure Relief Device Standards – Part 3 – Stationary Storage Containers for Compressed Gases
CGA V-1, Standard for Compressed Gas Cylinder Valve Outlet and Inlet Connections
CGA V-6, Standard Bulk Refrigerated Liquid Transfer Connections

g. FDA – Food and Drug Administration

FDA, Plumbing, and Cross-Connection Control

h. GHS – Globally Harmonized System. NOTE: The book is available in all 3 libraries.

ST/SG/AC.10/30, United Nations Globally Harmonized System of Classification and Labelling of Chemicals

i. IAPMO – International Association of Plumbing and Mechanical Officials

IAPMO, Uniform Plumbing Code

j. ICC – International Code Council

ICC, International Building Code

k. ISO – International Standards Organization

ISO 14001, Environmental Management Systems - Requirements With Guidance for Use
ISO 14001, Technical Corrigendum 1, Environmental Management Systems – Requirements With Guidance for Use
ISO 14119, Safety of Machinery – Interlocking Devices Associated With Guards – Principles for Design and Selection
ISO/TR 18569, Safety of Machinery – Guidelines for the Understanding and Use of Safety of Machinery Standards
ISO 19011, Guidelines for Auditing Management Systems
ISO 17025, General Requirements for the Competence of Testing and Calibration Laboratories
ISO 17025 Technical Corrigendum 1, General Requirements for the Competence of Testing and Calibration Laboratories

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1. **NFPA** – National Fire Protection Association

   NFPA 1, Fire Code
   NFPA 10, Standard for Portable Fire Extinguishers
   NFPA 11, Standard for Low, Medium, and High-Expansion Foam
   NFPA 12, Standard on Carbon Dioxide Extinguishing Systems
   NFPA 13, Standard for the Installation of Sprinkler Systems
   NFPA 14, Standard for the Installation of Standpipe and Hose Systems
   NFPA 16, Standard for the Installation of Foam-Water Sprinkler and Foam-Water Spray Systems
   NFPA 17, Standard for Dry Chemical Extinguishing Systems
   NFPA 18, Standard on Wetting Agents
   NFPA 25, Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems
   NFPA 30, Flammable and Combustible Liquids Code
   NFPA 45, Standard on Fire Protection for Laboratories using Chemicals
   NFPA 51B, Standard for Fire Prevention During Welding, Cutting, and Other Hot Work
   NFPA 55, Compressed Gases and Cryogenic Fluids Code
   NFPA 58, Liquified Petroleum Gas Code
   NFPA 68, Standard on Explosion Protection by Deflagration Venting
   NFPA 70, National Electrical Code (NEC)
   NFPA 70E, Standards for Electrical Safety in the Workplace
   NFPA 72, National Fire Alarm and Signaling Code
   NFPA 90A, Standard for the Installation of Air Conditioning and Ventilating Systems
   NFPA 91, Standard for Exhaust Systems for Air Conveying of Vapors, Gases, Mists, and Noncombustible Particulate Solids
   NFPA 99, Health Care Facilities Code
   NFPA 241, Standard for Safeguarding Construction, Alteration, and Demolition Operations
   NFPA 484, Standard for Combustible Metals

m. **OHSAS** – Occupational Health and Safety Assessment Series

   OHSAS 18001, Occupational Health and Safety Management Systems - Requirements

n. **OSHA** – Occupational Safety and Health Administration

   TED 01-00-015, OSHA Technical Manual (OTM)