

NETL Focused Standards List

Revised: 4/4/12
Reviewed: 4/4/12

Contact: Janet Lambert

This Focused Standards List has been primarily derived from selected standard references contained in NETL issued directives. All standards shall reference the most current edition/version of that standard.

DOE and other Government Standards and Requirements

DOE DIRECTIVES

Note: The following DOE directives can be found at <http://www.directives.doe.gov>:

DOE Policy 141.1, DOE Management of Cultural Resources
DOE Order 142.1, Classified Visits Involving Foreign Nationals
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 205.1, Department of Energy Cyber Security Management
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 221.2, Cooperation with the Office of Inspector General
DOE Order 225.1, Accident Investigations
DOE Policy 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 231.2, 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 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, DOE Employee Concerns Program
DOE Order 450.2, Integrated Safety Management
DOE Policy 450.2, Identifying, Implementing, and Complying With Environment, Safety, and Health Requirements
DOE Policy 450.3, Authorizing Use of Necessary and Sufficient Process for Standards-Based Environment, Safety, and Health Management
DOE Policy 450.4, Safety Management System Policy

NETL Focused Standards List

Revised: 4/4/12
Reviewed: 4/4/12

Contact: Janet Lambert

DOE Policy 450.7, Environment, Safety and Health (ES&H) Goals
DOE Order 451.1, National Environmental Policy Act Compliance Program
DOE Policy 454.1, Use of Institutional Controls
DOE Policy 456.1, Secretarial Policy Statement on Nanoscale Safety
DOE Notice 456.1, The Safe Handling of Unbound Engineered Nanoparticles
DOE Order 460.1, Packaging and Transportation Safety
DOE Order 470.4, Safeguards and Security Program
DOE Order 3750.1, Workforce Discipline
DOE Order 5480.19, Conduct of Operations Requirements for DOE Facilities
DOE Standard 1030-96, Guide to Good Practices for Lockouts and Tagouts
DOE Standard 1066-99, Fire Protection Design Criteria
DOE Standard 1088-95, Fire Protection for Relocatable Structures
DOE Standard 1090-07, Hoisting and Rigging
DOE Standard 7501-99, DOE Corporate Lessons Learned Program

OTHER DOE REQUIREMENTS

Acquisition Guide Chapter 23 (implements Executive Orders 13423 and 13221)
<http://management.energy.gov/documents/AcqGuide23pt0Rev1.pdf>

DOE Handbook 7502-95, Implementing U.S. Department of Energy Lessons Learned Program, <http://www.hss.energy.gov/nuclearsafety/ns/techstds/standard/hdbk7502/hdbk75021.pdf>

DOE's Pollution Prevention Tracking and Reporting System (PPTRS)
http://www.hss.energy.gov/pp/report_dbs.html

DOE Records Schedule for Environmental Records
<http://cio.energy.gov/documents/Environmental.pdf>

Office of Fossil Energy, Commitment to Environment, Security, Safety and Health, November 2006
http://esh.fe.doe.gov/docs/Commitment_Final.doc

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

EXECUTIVE ORDERS

The following Executive Orders can be found at:
<http://www.archives.gov/federal-register/executive-orders/disposition.html>.

NETL Focused Standards List

Revised: 4/4/12
Reviewed: 4/4/12

Contact: Janet Lambert

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 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 13103, Computer Software Piracy
Executive Order 13423, Strengthening Federal Environmental, Energy, and Transportation Management
Executive Order 13514, Federal Leadership in Environmental, Energy, and Economic Performance

OTHER FEDERAL GOVERNMENT REQUIREMENTS

FHA – FEDERAL HIGHWAY ADMINISTRATION

[Manual on Uniform Traffic Control Devices](#)

GSA – GOVERNMENT SERVICES ADMINISTRATION

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](#)

NETL NEGOTIATED AGREEMENTS WITH AFGE LOCALS

Negotiated Agreements between NETL and AFGE Locals 1995, 1916, and 1104
<http://intranet/LMPC/Index.htm>

Statutory ES&H Standards

FEDERAL

The following US Codes, can be found at <http://www.gpoaccess.gov/uscode/index.html>.
5 USC 552a, Privacy Act of 1974, as amended
16 USC Chapter 35, The Endangered Species Act of 1973, as amended
16 USC 470, National Historic Preservation Act, as amended

NETL Focused Standards List

Revised: 4/4/12
Reviewed: 4/4/12

Contact: Janet Lambert

33 USC 1251-1376, Clean Water Act (Federal Water Pollution Control Act)
42 USC Chapter 6A, Public Health Service, Subchapter XII, Safety of Public Water Systems
42 USC 4321 et seq., The National Environmental Policy Act of 1969
42 USC § 6901 et seq., as amended, Resource Conservation and Recovery Act of 1976 (Solid Waste Disposal Act)
42 USC 7401, Clean Air Act
42 USC 9601, et seq., The Comprehensive Environmental Response, Compensation, and Liability Act of 1980, as amended
44 USC §§ 3101 to 3107 Records Management By Federal Agencies

The following CFRs can be found at <http://www.gpoaccess.gov/cfr/index.html>.

10 CFR Chapter I, Nuclear Regulatory Commission
10 CFR 20, Standards for Protection Against Radiation
10 CFR 71, Packaging and Transportation of Radioactive Materials
10 CFR 835, Occupational Radiation Protection
10 CFR 1021, NEPA Implementing Procedures
10 CFR 1022, Compliance with Floodplain and Wetland Environmental Review Requirements
15 CFR 730-774, Bureau of Industry and Security, Department of Commerce
21 CFR 1040, Performance Standards for Light-Emitting Products
29 CFR 1904, Recording and Reporting Occupational Injuries and Illnesses
29 CFR 1905, Rules of Practice for Variances, Limitations Variations, Tolerances, and Exemptions Under the Williams-Steiger Occupational Safety and Health Act of 1970
29 CFR 1910, Occupational Safety and Health Standards
29 CFR 1910, Occupational Safety and Health Standards, Subparts D, E, F, H, I, J, K, L, N, O, P, Q, S, and Z.
29 CFR 1910.22, General Requirements (walking and working surfaces)
29 CFR 1910.23, Guarding Floor and Wall Openings and Holes
29 CFR 1910.24, Fixed Industrial Stairs
29 CFR 1910.27, Fixed Ladders
29 CFR 1910.28, Safety Requirements for Scaffolding
29 CFR 1910.33-39, Means of Egress
29 CFR 1910.37, Maintenance, Safeguards, and Operational Features for Exit Routes
29 CFR 1910.38, Emergency Action Plans
29 CFR 1910.39, Fire Prevention Plans
29 CFR 1910.66, Powered Platforms for Building Maintenance
29 CFR 1910.68, Manlifts
29 CFR 1910.94, Ventilation
29 CFR 1910.95, Occupational Noise Exposure
29 CFR 1910.97 Nonionizing Radiation
29 CFR 1910.101, Compressed Gases (general requirements)
29 CFR 1910.102, Acetylene
29 CFR 1910.103, Hydrogen

NETL Focused Standards List

Revised: 4/4/12
Reviewed: 4/4/12

Contact: Janet Lambert

- 29 CFR 1910.104, Oxygen
- 29 CFR 1910.105, Nitrous Oxide
- 29 CFR 1910.106, Flammable and Combustible Liquids
- 29 CFR 1910.107, Spray Finishing using Flammable and Combustible Materials
- 29 CFR 1910.109(a), Explosives and Blasting Agents, Definitions applicable to this section
- 29 CFR 1910.110, Storage and Handling of Liquefied Petroleum Gases
- 29 CFR 1910.119, Process Safety Management of Highly Hazardous Chemicals
- 29 CFR 1910.120, Hazardous Waste Operations and Emergency Response
- 29 CFR 1910.132, General Requirements for PPE
- 29 CFR 1910.133, Eye and Face Protection
- 29 CFR 1910.134, Respiratory Protection
- 29 CFR 1910.135, Head Protection
- 29 CFR 1910.136, Foot Protection
- 29 CFR 1910.137, Electrical Protective Equipment
- 29 CFR 1910.138, Hand Protection
- 29 CFR 1910.144, Safety Color Code for Marking Physical Hazards
- 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 1910.155, Fire Protection
- 29 CFR 1910.157, Portable Fire Extinguishers
- 29 CFR 1910.158, Standpipe and Hose Systems
- 29 CFR 1910.159, Automatic Sprinkler Systems
- 29 CFR 1910.160, Fixed Extinguishing Systems, general
- 29 CFR 1910.161, Fixed Extinguishing Systems, Dry Chemical
- 29 CFR 1910.162, Fixed Extinguishing Systems, Gaseous Agent
- 29 CFR 1910.163, Fixed Extinguishing Systems, Water Spray and Foam
- 29 CFR 1910.164, Fire Detection Systems
- 29 CFR 1910.165, Employee Alarm Systems
- 29 CFR 1910.176, Handling Materials - General
- 29 CFR 1910.178, Powered Industrial Trucks
- 29 CFR 1910.179, Overhead and Gantry Cranes
- 29 CFR 1910.219, Mechanical Power - Transmission Apparatus
- 29 CFR 1910.252, General Requirements Welding, Cutting, and Brazing
- 29 CFR 1910.253, Oxygen-Fuel Gas Welding and Cutting
- 29 CFR 1910.268, Telecommunications
- 29 CFR 1910.269, Electric Power Generation, Transmission, and Distribution
- 29 CFR 1910.303, Electrical General Requirements
- 29 CFR 1910.305, Wiring Methods, Components, and Equipment for General Use
- 29 CFR 1910.307, Hazardous (Classified) Locations
- 29 CFR 1910.331-335, Electrical Safety-Related Work Practice Standards
- 29 CFR 1910.333, Selection and Use of Work Practices

NETL Focused Standards List

Revised: 4/4/12
Reviewed: 4/4/12

Contact: Janet Lambert

- 29 CFR 1910.335, Safeguards for Personnel Protection
- 29 CFR 1910.1000, Air Contaminants
- 29 CFR 1910.1001-1052, Asbestos to Methylene Chloride
- 29 CFR 1910.1001-1096, Individual Standards for OSHA-Regulated Toxic and Hazardous Substances (e.g., asbestos, lead, benzene, formaldehyde, etc.)
- 29 CFR 1910.1003, 13 Carcinogens (4-nitro biphenyl, etc.)
- 29 CFR 1910.1020, Access to Employee Exposure and Medical Records
- 29 CFR 1910.1025, Lead Standard
- 29 CFR 1910.1030, Bloodborne Pathogens
- 29 CFR 1910.1200, Hazard Communication
- 29 CFR 1910.1450, Occupational Exposure to Hazardous Chemicals in Laboratories
- 29 CFR 1926, Safety and Health Regulations for Construction
- 29 CFR 1926, Subparts C, F, I, J, K, L, M, P, S, and X
- 29 CFR 1926.21, Safety Training and Education
- 29 CFR 1926.25, Housekeeping
- 29 CFR 1926.26, Illumination
- 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, Electrical 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

NETL Focused Standards List

Revised: 4/4/12

Contact: Janet Lambert

Reviewed: 4/4/12

33 CFR 153-157, Control of Pollution by Oil and Hazardous Substances
36 CFR 800, Protection of Historic Properties
36 CFR NARA, Chapter XII
40 CFR, Protection of Environment
40 CFR Chapter I, Subchapters C, I, J, and N
40 CFR 61, Subpart M, National Emission Standard for Asbestos
40 CFR 68, Chemical Accident Prevention Provisions
40 CFR 72, Permits Regulation
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 121, State Certification of Activities Requiring a Federal License or Permit
40 CFR 122, EPA Administered Permit Programs -- The National Pollutant Discharge Elimination System
40 CFR 123, State Program Requirements
40 CFR 124, Procedures for Decision Making
40 CFR 125, Criteria and Standards for the 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 141-143, National Primary/Secondary Drinking Water Regulations
40 CFR 147, State Underground Injection Control Programs, Subpart NN, Pennsylvania
40 CFR 147, State Underground Injection Control Programs, Subpart XX, West Virginia
40 CFR 243, Guidelines for Storage and Collection of Residential, Commercial, and Institutional Solid Waste
40 CFR 260-265, Hazardous Waste Management System
40 CFR 260-270, Resource Conservation and Recovery Act Federal Regulations (see also corresponding State regulations)
40 CFR 261, Identification and Listing of Hazardous Waste
40 CFR 262, Standards Applicable to Generators of Hazardous Waste
40 CFR 262.41(a), Biennial Report
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 280, Technical Standards and Corrective Action Requirements for Owners and Operators of Underground Storage Tanks
40 CFR 300, National Oil and Hazardous Substances Pollution Contingency Plan
40 CFR 302, Designation, Reportable Quantities, and Notification
40 CFR 302.4, Designation of Hazardous Substances
40 CFR 355, Emergency Planning and Notification

NETL Focused Standards List

Revised: 4/4/12
Reviewed: 4/4/12

Contact: Janet Lambert

- 40 CFR 355, Appendix A, The list of Extremely Hazardous Substances and their Threshold Planning Quantities
- 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 401, General Provisions for Effluent Guidelines and Standards
- 40 CFR 403, General Pretreatment Regulations for Existing and New Sources of Pollution
- 40 CFR 716.60, Health and Safety Data Reporting, Reporting Schedules
- 40 CFR 745, Subpart L, Lead-Based Paint Activities
- 40 CFR 761, PCBs
- 40 CFR 763, Asbestos
- 40 CFR 1500-1508, Regulations for Implementing the Procedural Provisions of the National Environmental Policy Act
- 41 CFR 101-200, Property Management Regulations
- 41 CFR 102-34, Motor Vehicle Management
- 41 CFR 102, Parts 1-220, Federal Management Regulation
- 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
- 49 CFR, Transportation
- 49 CFR 100 - 179, Department of Transportation Hazardous Materials Regulations
- 49 CFR 172, Hazardous Materials Table, Special Provisions, Hazardous Materials Communications, Emergency Response Information and Training Requirements
- 49 CFR 173, General Requirements for Shipments and Packaging
- 49 CFR 178, Specifications for Packaging

STATE

OREGON

The following Oregon Administrative Rules 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 Pollution State-Wide Water Quality Maintenance Plan; Beneficial Uses, Policies, Standards, and Treatment Criteria for Oregon
- Chapter 340, Division 42, Total Maximum Daily Load
- Chapter 340, Division 45, Regulations Pertaining to NPDES and WPCF Permits

NETL Focused Standards List

Revised: 4/4/12
Reviewed: 4/4/12

Contact: Janet Lambert

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 142, Oil and Hazardous Materials Emergency Response Requirements
Chapter 340, Division 150, Underground Storage Tank Rules
Chapter 340, Division 151, Financial Responsibility for USTs

The following Oregon statutes can be found at <http://landru.leg.state.or.us/ors>.

ORS 454, Sewage Treatment and Disposal Systems
ORS 459, Solid Waste Management
ORS 459A, Reuse and Recycling
ORS 465.003 to 465.037, Oregon's Toxics Use and Hazardous Waste Reduction (TUHWR) 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/HWPpolicy1997PO002A.pdf>

Oregon Erosion and Sediment Control Manual (April 2005) <http://www.deq.state.or.us/wq/stormwater/escmanual.htm>

PENNSYLVANIA

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

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

NETL Focused Standards List

Revised: 4/4/12
Reviewed: 4/4/12

Contact: Janet Lambert

35 PA CS § 6018.101-6018.1003, Pennsylvania Solid Waste Management Act
[Solid Waste Management Act complete.pdf](#)

35 PA CS § 6021.101, et seq. - Storage Tank and Spill Prevention Act
[Storage Tank and Spill Prevention Act complete.pdf](#)

PA Act 101, Municipal Waste Planning, Recycling, and Waste Act of 1988
[Municipal Waste Planning Recycling and Waste Act complete.pdf](#)

35 PA CS § 7130.101 et seq., Pennsylvania Low Level Radioactive Waste Disposal Act
<http://www.palrb.us/pamphletlaws/19001999/1998/0/act/0012.pdf>

PA Act 610, Water Well Driller License Act
<http://www.dcnr.state.pa.us/topogeo/groundwater/Act610.aspx>

The following PA Codes can be found at: <http://www.pacode.com/index.html>.

- 17 PA Code 47.1-47.8, Water Well Driller License Act
- 25 PA Code, Part I, Subpart C, Article III, Air Resources
- 25 PA Code 16, Water Quality Toxics Management -- Statement of Policy
- 25 PA Code 91, General Provisions
- 25 PA Code 92, National Pollutant Discharge Elimination System
- 25 PA Code 93, Water Quality Standards
- 25 PA Code 94, Municipal Wasteload Management
- 25 PA Code 102, Erosion Control
- 25 PA Code 216, Registration of Radiation-Producing Machines and Radiation-Producing Machine Providers
- 25 PA Code 219, Standards for Protection Against Radiation
- 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., Radioactive Waste Disposal
- 25 PA Code 245, Administration of the Storage Tank and Spill Prevention Program
- 25 PA Code 250, Land Recycling & Environmental Standards
- 25 PA Code 252, Environmental Laboratory Accreditation
- 25 PA Code 260-270, Hazardous Waste
- 25 PA Code 262a, Generators of Hazardous Waste
- 25 PA Code 262a.41, Biennial Reports
- 25 PA Code 262a.100, Source Reduction Strategy
- 25 PA Code 264a.97, General Groundwater Monitoring Requirements
- 25 PA Code 271-285, Pennsylvania Municipal Waste Management
- 25 PA Code 287-299, Residual Waste Management
- 25 PA Code 288.192, Plan for the Disposal of Friable Asbestos Containing Waste
- 25 PA Code 299, Subchapter A, Requirements for Asbestos and PCBs

NETL Focused Standards List

Revised: 4/4/12
Reviewed: 4/4/12

Contact: Janet Lambert

34 PA Code 301, Worker and Community Right-to-Know

WEST VIRGINIA

The following WV Codes can be found at: <http://www.legis.state.wv.us/wvcode/code.cfm>

- 15 WVC 5A, Public Safety, WV Community Right-to-Know Act
- 20 WVC 5J-1, West Virginia Medical Waste Act
- 22 WVC 5, Air Pollution Control
- 22 WVC 6, Section 19, Continuance During Life of Well; Dry or Abandoned Wells
- 22 WVC 11-1, West Virginia Water Pollution Control Act
- 22 WVC 18, West Virginia Hazardous Waste Management Act

The following WV Codes of State Rules can be found at:

<http://apps.sos.wv.gov/adlaw/csr/index.aspx>

- WV CSR 33-01, West Virginia Solid Waste Management
- WV CSR 33-04, Lead Acid Batteries
- WV CSR 33-07, Proof of Proper Solid Waste Disposal
- WV CSR 33-20, Hazardous Waste Management System
- WV CSR 33-20-5, Standards Applicable to Generators
- WV CSR 33-23, Groundwater Protection Standard
- WV CSR 33-30, Underground Storage Tanks
- WV CSR 45, Legislative Rule, Division of Environmental Protection, Office of Air Quality
- WV CSR 46-12, Requirements Governing Groundwater Standards
- WV CSR 47-02, Requirements Governing Water Quality Standards
- WV CSR 47-05A, Regulations for State Certification of Activities Requiring Federal License and Permit
- WV CSR 47-10, National Pollutant Discharge Elimination System (NPDES) Program
- WV CSR 47-11, Special Rules
- WV CSR 47-26, Water Pollution Control Permit Fee Schedule
- WV CSR 47-32, Regulations Governing Environmental Laboratories, Certification, and Standards of Performance
- WV CSR 47-55, Groundwater Protection Act Fee Schedule
- WV CSR 47-58, Groundwater Protection Regulations
- WV CSR 47-59, Monitoring Well Standards
- WV CSR 47-60, Monitoring Well Design Standards
- WV CSR 55-01, Emergency Planning & Community Right-to-Know
- WV CSR 64-51, Asbestos Abatement Notification
- WV CSR 64-56, Infectious Medical Waste
- WV CSR 64-63, Asbestos Abatement Licensing
- WV CSR 157-07, Transportation of Hazardous Waste

NETL Focused Standards List

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LOCAL

ALBANY, OR

City of Albany, OR, Comprehensive Plan, Chapter 6, Air, Water, and Land Resources Quality, Sound Quality, <http://www.cityofalbany.net/comdev/compplan/>.

City of Albany, OR, Municipal Code, Title 10, Sewers, http://www.cityofalbany.net/services/municipal_code.

Industrial Wastewater Discharge Permit for the National Energy Technology Laboratory — Albany, OR, Permit Number 8731-02. http://intranet/ESH_ISO/report/Industrial%20Wastewater%20Discharge%20permit%20Albany%208731-02.pdf.

ALLEGHENY COUNTY, PA

The following Allegheny County Health Department, regulations can be found at: <http://www.achd.net/newweb/regs.html>.

ACHD, Article III, Food Protection, Section 322, Lighting

ACHD, Article III, Food Protection, Section 323, Ventilation

ACHD, Article VIII, Solid Waste Disposal and Recycling Management

ACHD, Article XV, Rules and Regulations for Plumbing

ACHD, Article XXI, Air Pollution Control

ACHD, Article XXI, 2105.60, Asbestos Sources

ACHD, Article XXI, 2106.62, Asbestos

MORGANTOWN, WV

City of Morgantown, WV Article 527, “Noise Ordinance”
<http://www.morgantown.com/noiseord.htm>

Industrial Waste Ordinance 923, City of Morgantown, WV
http://intranet/ESH_ISO/standard/MGN-IWO-923.pdf

Industrial Waste Discharge Permit Number MUB 012, Morgantown Utility Board,
Morgantown, WV
http://intranet/ESH_ISO/report/permits.htm

Morgantown City Code, Article 929.20, Storm Water Management and Comprehensive
Drainage Plans
http://intranet/ESH_ISO/iso/EMS/ems_road_map/Article929-20.pdf

NETL Focused Standards List

Revised: 4/4/12
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PLEASANT HILLS, PA

Pleasant Hills Authority, Resolution 225

[Pleasant Hills Resolution 225.pdf](#)

Pleasant Hills Authority Resolution 233

[Pleasant Hills Resolution 233.pdf](#)

Pleasant Hills Authority, Sewer Use Permit

http://intranet/ESH_ISO/report/permits.htm

SOUTH PARK, PA

South Park Township, Article 20, Supplementary Regulations, Section 2001.3, "Noise" –

[South Park Township.pdf](#)

South Park Township Plumbing Regulations

See: Allegheny County Plumbing Regulations

<http://www.achd.net/newweb/regs.html>

Consensus Standards

Note: References apply to latest edition/most current version.

The following consensus standards are located (or linked) electronically on the ES&HMS Roadmap in section 4.3.2 unless otherwise noted (http://intranet/ESH_ISO/iso/EMS/ems_road_map/iso432_10.htm).

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

ACGIH, Threshold Limit Values and Biological Exposure Indices

ANSI – AMERICAN NATIONAL STANDARDS INSTITUTE

ANSI A13.1, Scheme for the Identification of Piping Systems

ANSI B24.1, Forging Machinery Safety Requirements

ANSI O1.1, Woodworking Machinery – Safety Requirements

NETL Focused Standards List

Revised: 4/4/12
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ANSI S1.4-1983 (R2006)/ANSI S1.4a-1985 (R2006), American National Standard Specification for Sound Level Meters
ANSI S3.6, Specification for Audiometers
ANSI Z9.5, Laboratory Ventilation
ANSI Z88.2, Practices for Respiratory Practices (this has not been approved yet for revision and has been withdrawn from all sites for purchase)
ANSI Z136.1, American National Standard for the Safe Use of Lasers
ANSI Z136.2, American National Standard for Safe Use of Optical Fiber Communications Systems Utilizing Laser Diode and LED Sources (this standard has been withdrawn, pending issue of the next revision in 2010-2011)
ANSI Z136.6, Safe Use of Lasers Outdoors
ANSI/AIHA Z9.2, Fundamentals Governing the Design and Operation of Local Exhaust Ventilation Systems
ANSI/ASA S3.1-1999 (R 2008), Maximum Permissible Ambient Noise Levels for Audiometric Test Rooms
ANSI/ASSE A10.32, Fall Protection Systems for Construction and Demolition Operations
ANSI/ASSE Z87.1, Occupational and Educational Personal Eye and Face Protection Devices
ANSI/ASSE Z244.1-2003 (R 2008), Control of Hazardous Energy - Lockout/Tagout and Alternative Methods
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, American National Standard for Office Lighting
ANSI/IESNA RP-7, Lighting Industrial Facilities ANSI Approved
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
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

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 and Performance of Laboratory Fume Hoods

NETL Focused Standards List

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Contact: Janet Lambert

ASME – AMERICAN SOCIETY OF MECHANICAL ENGINEERS

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

ASTM – AMERICAN SOCIETY FOR TESTING AND MATERIALS

ASTM F2413-05, Standard Specification for Performance Requirements for Foot Protection

AWS – AMERICAN WELDING SOCIETY

AWS Z49.1, Safety in Welding and Cutting and Allied Processes

CGA – COMPRESSED GAS ASSOCIATION

CGA C-6, Standards for Visual Inspection of Steel Compressed Gas Cylinders
CGA C-7, Guide to the Preparation of Precautionary Labeling and Marking of Compressed Gas Containers
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, Safe Handling of Compressed Gases in Containers
CGA P-12, Safe Handling of Cryogenic Liquids
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

IAPMO – INTERNATIONAL ASSOCIATION OF PLUMBING AND MECHANICAL OFFICIALS

IAPMO, Uniform Plumbing Code

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ISO – INTERNATIONAL STANDARDS ORGANIZATION

ISO 14001, Environmental Management Systems - Requirements With Guidance for Use
ISO 14119, Safety of Machinery - Interlocking Devices Associated With Guards - Principles for Design and Selection
ISO 14119/Amd1, Safety of Machinery – Interlocking Devices Associated with Guards – Principles for Design and Selection – Amendment 1: Design to Minimize Defeat Possibilities
ISO/TR 18569, Safety of Machinery - Guidelines for the Understanding and Use of Safety of Machinery Standards
ISO 19011, Guidelines for Quality and/or Environmental Management Systems Auditing
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

MISCELLANEOUS STANDARDS

Food and Drug Administration, Plumbing and Cross-Connection Control

NFPA – NATIONAL FIRE PROTECTION ASSOCIATION

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 15, Standard for Water Spray Fixed Systems for Fire Protection
NFPA 16, Standard for the Installation of Foam-Water Sprinkler 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, Liquefied 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

NETL Focused Standards List

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NFPA 91, Standard for Exhaust Systems for Air Conveying of Vapors, Gases, Mists, and Noncombustible Particulate Solids

NFPA 101, Life Safety Code

NFPA 241, Standard for Safeguarding Construction, Alteration, and Demolition Operations

NFPA 704, Standard System for the Identification of the Hazards of Materials for Emergency Response

OHSAS – OCCUPATIONAL HEALTH AND SAFETY ASSESSMENT SERIES

OHSAS 18001, Occupational Health and Safety Management Systems - Requirements

The most recent and official controlled hard copy version of this directive resides with QMS program manager.
An electronic version of the controlled directive has been placed on the NETL Intranet for employee use. Printed hard copies of this electronic version are considered noncontrolled documents.