

Section REF References

Rev. 0, 9/17/2014

REF-2 – ASME Codes, Standards, Regulations, and Other References

This is a partial compendium of codes, standards, and other documents referenced this chapter.

ASME

1. ASME Boiler and Pressure Vessel Sections

Section I – Rules for Construction of Power Boilers

Section II Materials, Part A – Ferrous Material Specifications

Section II Materials, Part B – Nonferrous Material Specifications

Section II Materials, Part C – Specifications for Welding Rods, Electrodes, and Filler Metals

Section II Materials, Part D – Properties (Customary and Metric)

Section III – Rules for Construction of Nuclear Facility Components NCA General Requirements for Division 1 and 2.

Section III, Division 1 – Rules for Construction of Nuclear Facility Components

Section III, Division 2 – Rules for construction of Nuclear Facility Components (Code for concrete containments)

Section III, Division 3 – Rules for Construction of Nuclear Facility Components (containments for transportation and storage of spent nuclear fuel and high level radioactive material and waste)

Section IV – Rules for Construction of Heating Boilers

Section V – Nondestructive Examination

Section VI - Recommended rules for the care and operation of heating Boilers

Section VII – Recommended guidelines for the care of power boilers

Section VIII, Division 1 – Rules for construction of pressure vessels

Section VIII Division 2 – Alternative rules for construction of pressure vessels

Section VIII, Division 3 – Alternative rules for construction of high pressure vessels (10,000 psig or greater)

Section IX – Qualification standard for welding and brazing procedures, welders, brazers, and welding and brazing operators

Section X – Fiber-reinforced plastic pressure vessels

Section XI – Rules for in-service inspection of nuclear power plant components

Section XII - Rules for construction and continued service of transport tanks

2. ASME B31 Piping Codes – see ESM Chapter 17 Section ASME-1

3. Other ASME standards relevant to pressure systems and inspection

ASME A13.1 – Scheme for the identification of piping systems

ASME B16.5 – Piping Flanges/Fittings

ASME B36.10M – Welded and Seamless Wrought Steel Pipe

ASME B36.19M – Stainless Steel Pipe

ASME CSD-1 – Controls and Safety devices for automatically fired boilers

ASME HPS – High Pressure Systems

ASME PCC-1 – Guidelines for pressure boundary bolted flange joint assembly

ASME PTC-1 – Performance Test Codes

ASME PTC 25 – Performance Test Code – Pressure Relief Devices

ASME PTCPM – Performance monitoring guidelines for steam power plants

ASME PVHO-1 – Safety Standard for pressure vessels for human occupancy.

REF-2 – ASME Codes, Standards, Regulations, and Other References

ASME QAI-1 – Qualifications for Authorized Inspection (Authorized Inspection Agencies)

ASME Y14-38 – Abbreviations and Acronyms for Use on Drawings and Related Documents

American Petroleum Institute

API 510 – Pressure Vessel Inspection Code: In-Service Inspection, Rating, Repair, and Alteration

API 579 – Fitness for Service

API RP 580 – Risk-Based Inspection

API 521 – Pressure-relieving and Depressuring Systems

ASTM International

ASTM A 380 – Standard Practice for Cleaning, Descaling, and Passivation of Stainless Steel Parts, Equipment, and Systems

ASTM G 93 – Standard Practice for Cleaning Methods and Cleanliness Levels for Material and Equipment Used in Oxygen-Enriched Environments

ASTM G 63 – Standard Guide for Evaluating Nonmetallic Materials for Oxygen Service

ASTM G128 – Guide for Control of Hazards and Risks in Oxygen Enriched Systems

ASTM G88 – Guide for Designing Systems for Oxygen Service

Code of Federal Regulations

TITLE 49—Transportation, Subtitle B--Other Regulations Relating to Transportation, Chapter I-- Pipeline and Hazardous Materials Safety Administration, Department of Transportation, Subchapter D-- Pipeline Safety

Part 190--Pipeline Safety Programs and Rulemaking Procedures

Part 191--Transportation of Natural and Other Gas by Pipeline; Annual Reports, Incident Reports, and Safety-Related Condition Reports

Part 192--Transportation of Natural and Other Gas by Pipeline: Minimum Federal Safety Standards

Part 193--Liquefied Natural Gas Facilities: Federal Safety Standards

Part 195--Transportation of Hazardous Liquids by Pipeline

Part 199--Drug and Alcohol Testing

Department of Energy

DOE O 460.1C, Packaging and Transportation Safety [pipeline safety requirements; all transportation of

hazardous materials by pipeline must be conducted in accordance with 49 CFR Parts 190-193, 195, and 199.]

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DOE-STD-1020 DOE Standard, Natural Phenomena Hazards Design and

Evaluation Criteria for Department of Energy Facilities

LANL Conduct of Engineering

Administrative Procedures website (internal): <https://coe.lanl.gov/APs/default.aspx>

LANL Engineering Standards: <http://enstandards.lanl.gov/>

National Fire Protection Association

NFPA 54 – National Fuel Gas Code

New Mexico Administrative Code

NMAC [14.9.4.25](#), (*Housing and Construction, Mechanical Codes, Boilers*) issued by the Construction Industries Division of the Regulation and Licensing Department

NMAC Title 18 Part 60 (*Transportation and Highways, Pipeline Construction and Maintenance*) issued by the New Mexico Public Regulation Commission.

Occupational Safety and Health Standards (29 CFR 1910)

1910.253 Occupational Safety and Health Standards, Welding, Cutting, and Brazing, Oxygen-fuel gas welding and cutting.