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- (4) Degassers.
- (c) Blow out preventor control systems.
- (d) Riser and guideline tensioning systems.
- (e) Motion compensation systems.
- (f) Bulk material storage and handling systems.
- (g) Other pressurized systems designed for the MODU's industrial operations.

§ 58.60-2 Alternatives and substitutions.

(a) The Coast Guard may accept substitutes for fittings, material, apparatus, equipment, arrangements, calculations, and tests required in this subpart if the substitute provides an equivalent level of safety.

(b) In any case where it is shown to the satisfaction of the Commandant that the use of any particular equipment, apparatus, arrangement, or test is unreasonable or impracticable, the Commandant may permit the use of alternate equipment, apparatus, arrangement, or test to such an extent and upon such condition as will insure, to his satisfaction, a degree of safety consistent with the minimum standards set forth in this subpart.

§ 58.60-3 Pressure vessel.

A pressure vessel that is a component in an industrial system under this subpart must meet the applicable requirements in § 54.01-5 of this chapter.

[CGD 73-251, 43 FR 58601, Dec. 4, 1978, as amended by CGD 77-147, 47 FR 21811, May 20, 1982]

§ 58.60-5 Industrial systems: Locations.

An industrial system under this subpart must not be in a space that is—

- (a) Concealed; or
- (b) Inaccessible to industrial personnel.

§ 58.60-7 Industrial systems: Piping.

The piping for industrial systems under this subpart must meet ANSI B31.3, except that blow out preventor control systems must also meet API RP 53.

[CGD 88-032, 56 FR 35824, July 29, 1991]

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§ 58.60-9 Industrial systems: Design.

Each system under this subpart must be designed and analyzed in accordance with the principles of API RP 14C.

[CGD 88-032, 56 FR 35824, July 29, 1991]

§ 58.60-11 Analyses, plans, diagrams and specifications: Submission.

(a) Each industrial system must be analyzed by a registered professional engineer to certify that the system has been designed in accordance with applicable standards.

- (b) The certification must—
 - (1) Appear on all diagrams and analyses; and
 - (2) Be submitted under § 50.20-5 of this chapter.

(c) Standards or specifications for non-pressurized, mechanical or structural systems, and components such as derricks, drawworks, and rotary tables which comply with standards or specifications not referenced in this subchapter must be referenced on the plans or in the specifications of the unit.

§ 58.60-13 Inspection.

An industrial system is accepted by the Coast Guard if the inspector finds—

- (a) The system meets this subpart;
- (b) There are guards, shields, insulation or similar devices for protection of personnel; and
- (c) The system is not manifestly unsafe.

PART 59—REPAIRS TO BOILERS, PRESSURE VESSELS AND APPURTENANCES

Subpart 59.01—General Requirements

- Sec.
- 59.01-1 Scope.
- 59.01-2 Incorporation by reference.
- 59.01-3 Adoption of the ASME Code.
- 59.01-5 Repairs, replacements, or alterations.

Subpart 59.10—Welding Repairs to Boilers and Pressure Vessels in Service

- 59.10-1 Scope.
- 59.10-5 Cracks.
- 59.10-10 Corroded surfaces.
- 59.10-15 Rivets and staybolts.
- 59.10-20 Patches in shells and tube sheets.
- 59.10-25 Stayed areas.

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- 59.10-30 Seal welding.
- 59.10-35 Wrapper plates and back heads.

Subpart 59.15—Miscellaneous Boiler Repairs

- 59.15-1 Furnace repairs.
- 59.15-5 Stayed furnaces and combustion chambers.
- 59.15-10 Bagged or blistered shell plates.

Subpart 59.20—Welding Repairs to Castings

- 59.20-1 Carbon-steel or alloy-steel castings.
- AUTHORITY: 46 U.S.C. 3306, 3703; E.O. 12234, 45 FR 58801, 3 CFR, 1980 Comp., p. 227; Department of Homeland Security Delegation No. 0170.1.

SOURCE: CGFR 68-82, 33 FR 18887, Dec. 18, 1968, unless otherwise noted.

Subpart 59.01—General Requirements

§ 59.01-1 Scope.

The regulations in this part apply to the repairs of all boilers, appurtenances and pressure vessels subject to inspection by the Coast Guard.

§ 59.01-2 Incorporation by reference.

(a) Certain material is incorporated by reference into this part with the approval of the Director of the Federal Register in accordance with 5 U.S.C. 552(a). To enforce any edition other than that specified in paragraph (b) of this section, the Coast Guard must publish notice of change in the FEDERAL REGISTER and make the material available to the public. All approved material is on file at the U.S. Coast Guard, Office of Design and Engineering Standards (G-MSE), 2100 Second Street SW., Washington, DC 20593-0001 and is available from the sources indicated in paragraph (b) of this section or at the National Archives and Records Administration (NARA). For information on the availability of this material at NARA, call 202-741-6030, or go to: http://www.archives.gov/federal_register/code_of_federal_regulations/ibr_locations.html.

(b) The material approved for incorporation by reference in this part and the sections affected are:

American Society of Mechanical Engineers (ASME) International

- Three Park Avenue, New York, NY 10016-5990
- Boiler and Pressure Vessel (B&PV) Code Section I, Power Boilers, July 1989 with 1989 addenda59.10-5
- Boiler and Pressure Vessel Code Section VII, Recommended Guidelines for the Care of Power Boilers, July 1989 with 1989 addenda59.01-5
- Boiler and Pressure Vessel Code Section VIII, Division 1, Pressure Vessels July 1989 with 1989 addenda59.10-5; 59.10-10
- Boiler and Pressure Vessel Code Section IX, Welding and Brazing Qualifications, July 1989 with 1989 addenda.....59.10-5

[CGD 88-032, 56 FR 35824, July 29, 1991, as amended by CGD 95-072, 60 FR 50462, Sept. 29, 1995; CGD 96-041, 61 FR 50728, Sept. 27, 1996; USCG-1999-6216, 64 FR 53225, Oct. 1, 1999]

§ 59.01-3 Adoption of the ASME Code.

(a) *General.* The portions of the ASME (American Society of Mechanical Engineers) Code listed in this part for various subjects are adopted and shall be the governing requirements except as limited, modified, or replaced by specific requirements in this subchapter.

(Sec. 552, 80 Stat. 383, as amended; 5 U.S.C. 552)

§ 59.01-5 Repairs, replacements, or alterations.

(a) No repairs, replacements, or alterations, except emergency repairs, shall be made to boilers, pressure vessels, their mountings or internal fittings, safety valves, piping systems, or pressure appliances without prior approval by the Officer in Charge, Marine Inspection.

(b) Emergency repairs, replacements, or alterations shall be reported as soon as practicable to the Officer in Charge, Marine Inspection, at or nearest the first port where the vessel may call after such repairs are made.

(c) Plan approval shall be obtained from the Officer in Charge, Marine Inspection, for all alterations to systems in service as listed in § 56.01-10(c) of this subchapter and those items listed in paragraph (a) of this section.

(d) Repairs, replacements, or alterations to machinery or items not covered by other sections of this part shall