



**NEW BRUNSWICK  
REGULATION 2003-13**

**under the**

**BOILER AND PRESSURE VESSEL ACT  
(O.C. 2003-104)**

*Filed April 23, 2003*

**1** *Schedule A of New Brunswick Regulation 84-177 under the Boiler and Pressure Vessel Act is repealed and the attached Schedule A is substituted.*

**2** *Schedule B of the Regulation is repealed and the attached Schedule B is substituted.*

**RÈGLEMENT DU  
NOUVEAU-BRUNSWICK 2003-13**

**établi en vertu de la**

**LOI SUR LES CHAUDIÈRES ET  
APPAREILS À PRESSION  
(D.C. 2003-104)**

*Déposé le 23 avril 2003*

**1** *L'annexe A du Règlement du Nouveau-Brunswick 84-177 établi en vertu de la Loi sur les chaudières et appareils à pression est abrogée et remplacée par l'annexe A suivante.*

**2** *L'annexe B du Règlement est abrogée et remplacée par l'annexe B suivante.*

**SCHEDULE A****1 American Society of Mechanical Engineers (ASME)**

1998 ASME Boiler & Pressure Vessel Code

ASME CSD-1-1998: Controls and Safety Devices for Automatically Fired Boilers

ASME B31.1 - 1998 Edition: Power Piping

ASME B31.3 - 1998: Chemical Plant and Petroleum Refinery Piping

ASME B31.4 - 1998: Liquid Transportation Systems for Hydrocarbons, Liquid Petroleum Gas, Anhydrous Ammonia, and Alcohols

ASME/ANSI B31.5 - 1992: Refrigeration Piping

ASME B31.8 - 1995: Gas Transmission and Distribution Piping Systems

ASME/ANSI B31.9 - 1996: Building Services Piping

**2 American National Standards Institute (ANSI)**

ANSI A13.1 - 1996: Scheme for the Identification of Piping Systems

ANSI B16.3 - 1992: Malleable Iron Threaded Fittings

ANSI B16.4 - 1999: Gray Iron Threaded Fittings

ANSI B16.5 - 1996: Pipe Flanges and Flanged Fittings

ANSI B16.9 - 1993: Factory-Made Wrought Steel Butt welding Fittings

ANSI B16.10 - 1992: Face-to-Face and End-to-End Dimensions of Valves

**ANNEXE A****1 Codes de l'American Society of Mechanical Engineers (ASME)**

1998 ASME Boiler & Pressure Vessel Code

ASME CSD-1-1998: Controls and Safety Devices for Automatically Fired Boilers

ASME B31.1 - 1998 Edition: Power Piping

ASME B31.3 - 1998: Chemical Plant and Petroleum Refinery Piping

ASME B31.4 - 1998: Liquid Transportation Systems for Hydrocarbons, Liquid Petroleum Gas, Anhydrous Ammonia, and Alcohols

ASME/ANSI B31.5 - 1992: Refrigeration Piping

ASME B31.8 - 1995: Gas Transmission and Distribution Piping Systems

ASME/ANSI B31.9 - 1996: Building Services Piping

**2 Normes de l'American National Standards Institute (ANSI)**

ANSI A13.1 - 1996: Scheme for the Identification of Piping Systems

ANSI B16.3 - 1992: Malleable Iron Threaded Fittings

ANSI B16.4 - 1999: Gray Iron Threaded Fittings

ANSI B16.5 - 1996: Pipe Flanges and Flanged Fittings

ANSI B16.9 - 1993: Factory-Made Wrought Steel Butt welding Fittings

ANSI B16.10 - 1992: Face-to-Face and End-to-End Dimensions of Valves

ANSI B16.11 - 1996: Forged Fittings, Socket-Welding and Threaded

ANSI B16.11 - 1996: *Forged Fittings, Socket-Welding and Threaded*

ANSI B16.15 - 1985: Cast Bronze Threaded Fittings

ANSI B16.15 - 1985: *Cast Bronze Threaded Fittings*

ANSI B16.18 - 1984: Cast Copper Alloy Solder - Joint Pressure Fittings

ANSI B16.18 - 1984: *Cast Copper Alloy Solder - Joint Pressure Fittings*

ANSI B16.20 - 1993: Metallic Gaskets for Pipe Flanges

ANSI B16.20 - 1993: *Metallic Gaskets for Pipe Flanges*

ANSI B16.21 - 1992: Non-metallic Gaskets for Pipe Flanges

ANSI B16.21 - 1992: *Non-metallic Gaskets for Pipe Flanges*

ANSI B16.22 - 1995: Wrought Copper and Copper Alloy Solder - Joint Pressure Fittings

ANSI B16.22 - 1995: *Wrought Copper and Copper Alloy Solder - Joint Pressure Fittings*

ANSI B16.24 - 1991: Cast Copper Alloy Pipe Flanges and Flanged Fittings

ANSI B16.24 - 1991: *Cast Copper Alloy Pipe Flanges and Flanged Fittings*

ANSI B16.25 - 1997: Buttwelding Ends

ANSI B16.25 - 1997: *Buttwelding Ends*

ANSI B16.34 - 1996: Valves Flanged Threaded and Welding End

ANSI B16.34 - 1996: *Valves Flanged Threaded and Welding End*

ANSI B18.2.1 - 1996: Square and Hex Bolts and Screws

ANSI B18.2.1 - 1996: *Square and Hex Bolts and Screws*

ANSI B18.2.2 - 1987: Square and Hex Nuts

ANSI B18.2.2 - 1987: *Square and Hex Nuts*

ANSI B31.2 - 1968: Fuel Gas Piping

ANSI B31.2 - 1968: *Fuel Gas Piping*

ANSI B36.10 - 1996: Welded and Seamless Wrought Steel Pipe

ANSI B36.10 - 1996: *Welded and Seamless Wrought Steel Pipe*

ANSI B36.19 - 1985: Stainless Steel Pipe

ANSI 36.19 - 1985: *Stainless Steel Pipe*

ANSI B40.1 - 1991: Indicating Pressure and Vacuum Gages - Elastic Elements

ANSI B40.1 - 1991: *Indicating Pressure and Vacuum Gages - Elastic Elements*

ANSI/ASME NQA-1-1997: Quality Assurance Program Requirements for Nuclear Power Plants

ANSI/ASME NQA-1-1997: *Quality Assurance Program Requirements for Nuclear Power Plants*

ANSI/ASME PVHO 1-1997: Safety Standards for Pressure Vessels for Human Occupancy

ANSI/ASME PVHO 1-1997: *Safety Standards for Pressure Vessels for Human Occupancy*

ANSI/NB-23 1998: National Board Inspection Code

**3** American Petroleum Institute (API)

API Spec. 5L - April, 1995: Specification for Line Pipe

API Spec. 6D - December, 1997: Specification for Pipeline Valves

API Standard 602 - 1998: Compact Design Carbon Steel Gate Valves for Refinery Use

API Standard 1104 - September, 1999: Standard for Welding Pipe Lines and Related Facilities

API RP-1110 - September, 1999: Recommended Practice for the Pressure Testing of Liquid Petroleum Pipelines

**4** Underwriters' Laboratories of Canada (ULC)

ULC - S601 - 1993: Standard for Shop Fabricated Steel Aboveground Tanks for Flammable and Combustible Liquids

ULC - S603.1 - 1992: Standard for Protected Steel Underground Tanks for Flammable and Combustible Liquids

**5** Manufacturers Standardization Society of the Valve and Fitting Industry (MSS)

MSS SP-6-1996: Standard Finishes for Contact Faces of Pipe Flanges and Connecting-End Flanges of Valves and Fittings

MSS SP-9-1997: Spot Facing for Bronze, Iron and Steel Flanges

MSS SP-25-1998: Standard Marking System for Valves, Fittings, Flanges and Unions

MSS SP-42-1999: 150 Lb. Corrosion Resistant Cast Flanged Valves

ANSI/NB-23 1998: *National Board Inspection Code*

**3** *Spécifications et normes de la American Petroleum Institute (API)*

*Spéc. API 5L - avril 1995: Specification for Line Pipe*

*Spéc. API 6D - décembre 1997: Specification for Pipeline Valves*

*Norme API 602 - 1998: Compact Design Carbon Steel Gate Valves for Refinery Use*

*Norme API 1104 - septembre 1999: Standard for Welding Pipe Lines and Related Facilities*

*API RP-1110 - septembre 1999: Recommended Practice for the Pressure Testing of Liquid Petroleum Pipelines*

**4** *Normes du Underwriters' Laboratories of Canada (ULC)*

*ULC - S601 - 1993: Standard for Shop Fabricated Steel Aboveground Tanks for Flammable and Combustible Liquids*

*ULC - S603.1 - 1992: Standard for Protected Steel Underground Tanks for Flammable and Combustible Liquids*

**5** *Documents du Manufacturers Standardization Society of the Valve and Fitting Industry (MSS)*

*MSS SP-6-1996: Standard Finishes for Contact Faces of Pipe Flanges and Connecting-End Flanges of Valves and Fittings*

*MSS SP-9-1997: Spot Facing for Bronze, Iron and Steel Flanges*

*MSS SP-25-1998: Standard Marking System for Valves, Fittings, Flanges and Unions*

*MSS SP-42-1999: 150 Lb. Corrosion Resistant Cast Flanged Valves*

MSS SP-43-1991: Wrought Stainless Steel Butt-Welding Fittings

*MSS SP-43-1991: Wrought Stainless Steel Butt-Welding Fittings*

MSS SP-44-1996: Steel Pipe Line Flanges

*MSS SP-44-1996: Steel Pipe Line Flanges*

MSS SP-45-1998: Bypass and Drain Connection Standard

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MSS SP-51-1991: 150 Lb. Corrosion Resistant Cast Flanges and Flanged Fittings

*MSS SP-51-1991: 150 Lb. Corrosion Resistant Cast Flanges and Flanged Fittings*

MSS SP-53-1995: Quality Standard For Steel Castings for Valves, Flanges and Fittings and Other Piping Components (Dry Powder Magnetic Particle Inspection Method)

*MSS SP-53-1995: Quality Standard For Steel Castings for Valves, Flanges and Fittings and Other Piping Components (Dry Powder Magnetic Particle Inspection Method)*

MSS SP-54-1995: Quality Standard for Steel Castings for Valves, Flanges and Fittings and Other Piping Components (Radiographic Examination Method)

*MSS SP-54-1995: Quality Standard for Steel Castings for Valves, Flanges and Fittings and Other Piping Components (Radiographic Examination Method)*

MSS SP-55-1996: Quality Standard for Steel Castings for Valves, Flanges and Fittings and Other Piping Components (Visual Inspection Method)

*MSS SP-55-1996: Quality Standard for Steel Castings for Valves, Flanges and Fittings and Other Piping Components (Visual Inspection Method)*

MSS SP-58-1993: Pipe Hangers and Supports - Materials and Design

*MSS SP-58-1993: Pipe Hangers and Supports - Materials and Design*

MSS SP-60-1999: Connecting Flange Joint between Tapping Sleeves and Tapping Valves

*MSS SP-60-1999: Connecting Flange Joint between Tapping Sleeves and Tapping Valves*

MSS SP-61-1992: Pressure Testing of Steel Valves

*MSS SP-61-1992: Pressure Testing of Steel Valves*

MSS SP-65-1999: High Pressure Chemical Industry Flanges and Threaded Stubs for Use with Lens Gaskets

*MSS SP-65-1999: High Pressure Chemical Industry Flanges and Threaded Stubs for Use with Lens Gaskets*

MSS SP-67-1995: Butterfly Valves

*MSS SP-67-1995: Butterfly Valves*

MSS SP-69-1996: Pipe Hangers and Supports- Selection and Application

*MSS SP-69-1996: Pipe Hangers and Supports- Selection and Application*

MSS SP-84-1978: Steel Valves - Socket Welding and Threaded Ends

*MSS SP-84-1978: Steel Valves - Socket Welding and Threaded Ends*

<p><b>6 Canadian Standards Association (CSA)</b></p> <p>CSA B51-97: Boiler, Pressure Vessel, and Pressure Piping Code</p> <p>CSA B52-99: Mechanical Refrigeration Code</p> <p>CAN/CSA B139-1991: Installation Code for Oil Burning Equipment</p> <p>CAN/CSA B339-96: Cylinders, Spheres and Tubes for Transportation of Dangerous Goods</p> <p>CAN/CSA-N285.0-M95: General Requirements for Pressure-Retaining Systems and Components in CANDU Nuclear Power Plants</p> <p>CAN/CSA-N285.1-M91: Requirements for Class 1, 2, and 3 Pressure-Retaining Systems and Components in CANDU Nuclear Power Plants</p> <p>CAN/CSA-N285.2-M89: Requirements for Class 1C, 2C, and 3C Pressure-Retaining Component and Supports in CANDU Nuclear Power Plants</p> <p>CAN/CSA-N285.3-88: Requirements for Containment System Components in CANDU Nuclear Power Plants</p> <p>CAN3-N285.4-94: Periodic Inspection of CANDU Nuclear Power Plant Components</p> <p>CAN/CSA-N285.5-M90: Periodic Inspection of CANDU Nuclear Power Plant Containment Components</p> <p>CAN/CSA-N285.6 Series-88: Material Standards for Reactor Components for CANDU Nuclear Power Plants</p> <p>CAN/CSA N286.0-92: Overall Quality Assurance Program Requirements for Nuclear Power Plants</p> <p>CAN3-N286.1-96: Procurement Quality Assurance for Nuclear Power Plants</p>	<p><b>6 Association canadienne de normalisation (ACNOR)</b></p> <p>ACNOR B51-97: Code des chaudières, appareils et tuyauteries sous pression</p> <p>ACNOR B52-99: Code de réfrigération mécanique</p> <p>ACNOR B139-1991: Code d'installation pour équipement de combustion d'huile</p> <p>ACNOR B339-96: Bouteilles et tubes pour le transport des marchandises dangereuses</p> <p>ACNOR-N285.0-M95: Exigences générales relatives aux systèmes et aux composants sous pression des centrales nucléaires CANDU</p> <p>ACNOR-N285.1-M91: Exigences relatives aux systèmes et aux composants sous pression des classes 1, 2 et 3 des centrales nucléaires CANDU</p> <p>ACNOR-N285.2-M89: Exigences relatives aux composants sous pression des classes 1C, 2C et 3C des centrales nucléaires CANDU et à leurs supports</p> <p>ACNOR-N285.3-88: Exigences relatives aux composants des systèmes de confinement des centrales nucléaires CANDU</p> <p>CAN3-N285.4-94: Inspection périodique des composants des centrales nucléaires CANDU</p> <p>CAN/CSA-N285.5-M90: <i>Periodic Inspection of CANDU Nuclear Power Plant Containment Components</i></p> <p>ACNOR-N285.6 Series-88: Normes sur les matériaux des composants de réacteurs des centrales nucléaires CANDU</p> <p>ACNOR-N286.0-92: Prescriptions relatives au programme d'assurance de la qualité des centrales nucléaires</p> <p>ACNOR-N286.1-96: Assurance de la qualité de l'approvisionnement des centrales nucléaires</p>
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CAN3-N286.2-96: Design Quality Assurance for Nuclear Power Plants

ACNOR-N286.2-96: Assurance de la qualité de la conception des centrales nucléaires

CAN3-N286.3-86: Construction Quality Assurance for Nuclear Power Plants

CAN3-N286.3-86: Assurance de la qualité de construction des centrales nucléaires

CAN/CSA N286.4-M86: Commissioning Quality Assurance for Nuclear Power Plants

ACNOR-N286.4-M86: Assurance de la qualité de la mise en service des centrales nucléaires

CAN/CSA-N286.5-95: Operations Quality Assurance for Nuclear Power Plants

ACNOR-N286.5-95: Assurance de la qualité de l'exploitation des centrales nucléaires

CSA N286.6-98: Decommissioning Quality Assurance for Nuclear Power Plants

CSA N286.6-98: *Decommissioning Quality Assurance for Nuclear Power Plants*

CAN/CSA-N287.1-93: General Requirements for Concrete Containment Structures for CANDU Nuclear Power Plants

ACNOR-N287.1-93: Exigences générales relatives aux enceintes de confinement en béton des centrales nucléaires CANDU

CAN/CSA-N287.2-M91: Material Requirements for Concrete Containment Structures for CANDU Nuclear Power Plants

ACNOR-N287.2-M91: Exigences relatives aux matériaux des enceintes de confinement en béton des centrales nucléaires CANDU

CAN/CSA-N287.3-93: Design Requirements for Concrete Containment Structures for CANDU Nuclear Power Plants

ACNOR-N287.3-93: Exigences relatives à la conception des enceintes de confinement en béton des centrales nucléaires CANDU

CAN/CSA-N287.4-92: Construction, Fabrication, and Installation Requirements for Concrete Containment Structures for CANDU Nuclear Power Plants

ACNOR-N287.4-92: Exigences relatives à la construction, à la fabrication et à l'installation des enceintes de confinement en béton des centrales nucléaires CANDU

CAN3-N287.5-93: Testing and Examination Requirements for Concrete Containment Structures for CANDU Nuclear Power Plants

CAN3-N287.5-93: Prescriptions relatives aux essais et aux vérifications des enceintes de confinement en béton des centrales nucléaires CANDU

CAN3-N287.6-94: Pre-Operational Proof and Leakage Rate Testing Requirements for Concrete Containment Structures for CANDU Nuclear Power Plants

CAN3-N287.6-94: Prescriptions relatives aux essais de résistance et de taux de fuite des enceintes de confinement en béton des centrales nucléaires CANDU, avant la mise en service

CAN3-N287.7-96: Inservice Examination and Testing Requirements for Concrete Containment Structures for CANDU Nuclear Power Plants

CAN3-N287.7-96: Prescriptions relatives à la mise à l'essai et à la vérification en cours d'exploitation, des enceintes de confinement en béton des centrales nucléaires CANDU

CSA Z245.1-M1998: General Requirements for Plain-End Welded and Seamless Steel Line Pipe

CSA Z245.1-M1998: *General Requirements for Plain-End Welded and Seamless Steel Line Pipe*

CAN/CSA-Z305.1-92: Nonflammable Medical Gas Piping Systems

CAN/CSA-Z305.2-M88: Low-Pressure Connecting Assemblies for Medical Gas Systems

CAN/CSA-Z305.3-M87: Pressure Regulators, Gauges, and Flow-Metering Devices for Medical Gases

CAN3-Z305.4-M85: Qualification Requirements for Agencies Testing Non-flammable Medical Gas Piping Systems

CAN/CSA-Z305.5-M86: Medical Gas Terminal Units

CSA Z662-99: Oil and Gas Pipeline Systems

## 7 Canadian Gas Association (CGA)

CAN/CGA-B105-M93: Code for Digester Gas and Landfill Gas Installations

CAN/CGA-B149.1-00: Natural Gas and Propane Installation Code

CSA-B149.2-00: Propane Storage and Handling Code

CAN/CGA-B149.3-00: Code for the Field Approval of Fuel-Related Components on Appliances and Equipment

## 8 National Tank Truck Carriers, Inc. (NTTC)

NTTC No.18-1999: Cargo Tank Hazardous Material Regulations

CAN/CSA-Z305.1-92: *Nonflammable Medical Gas Piping Systems*

CAN/CSA-Z305.2-M88: *Low-Pressure Connecting Assemblies for Medical Gas Systems*

CAN/CSA-Z305.3-M87: *Pressure Regulators, Gauges, and Flow-Metering Devices for Medical Gases*

CAN3-Z305.4-M85: *Exigences de qualification des organismes d'essai des réseaux de canalisations des gaz médicaux ininflammables*

CAN/CSA-Z305.5-M86: *Medical Gas Terminal Units*

CSA Z662-99: *Réseaux de canalisations de pétrole et de gaz*

## 7 Association canadienne du gaz (ACG)

CAN/CGA-B105-M93: *Code for Digester Gas and Landfill Gas Installations*

CAN/CGA-B149.1-00: *Code d'installation du gaz naturel et du propane*

CSA-B149.2-00: *Code sur l'emmagasinage et la manipulation du propane*

CAN/CGA-B149.3-00: *Code d'approbation sur place des composants relatifs au combustible des appareils et appareillages*

## 8 National Tank Truck Carriers, Inc. (NTTC)

NTTC No.18-1999: *Cargo Tank Hazardous Material Regulations*



**SCHEDULE B****1** American Society of Mechanical Engineers (ASME)

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ASME B31.8 - 1995: Gas Transmission and Distribution Piping Systems

**2** American National Standards Institute (ANSI)

ANSI/NB-23 1998: National Board Inspection Code

**3** Canadian Standards Association (CSA)

CSA Z299.3-1987: Quality Verification Program Requirements

CAN/CSA-Z305.1-92: Nonflammable Medical Gas Piping Systems

CAN/CSA-Z305.2-M88: Low-Pressure Connecting Assemblies for Medical Gas Systems

CAN/CSA-Z305.3-M87: Pressure Regulators, Gauges, and Flow-Metering Devices for Medical Gases

CAN3-Z305.4-M85: Qualification Requirements for Agencies Testing Non-flammable Medical Gas Piping Systems

**ANNEXE B****1** Codes de l'American Society of Mechanical Engineers (ASME)

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ASME B31.3 - 1998: Chemical Plant and Petroleum Refinery Piping

ASME B31.4 - 1998: Liquid Transportation Systems for Hydrocarbons, Liquid Petroleum Gas, Anhydrous Ammonia, and Alcohols

ASME B31.8 - 1995: Gas Transmission and Distribution Piping Systems

**2** Normes de l'American National Standards Institute (ANSI)

ANSI/NB-23 1998: National Board Inspection Code

**3** Association canadienne de normalisation (ACNOR)

ACNOR Z299.3-1987: Prescriptions du programme de vérification de la qualité

CAN/CSA-Z305.1-92: Nonflammable Medical Gas Piping Systems

CAN/CSA-Z305.2-M88: Low-Pressure Connecting Assemblies for Medical Gas Systems

CAN/CSA-Z305.3-M87: Pressure Regulators, Gauges, and Flow-Metering Devices for Medical Gases

CAN3-Z305.4-M85: Exigences de qualification des organismes d'essai des réseaux de canalisations des gaz médicaux ininflammables

CAN/CSA-Z305.5-M86: Medical Gas Terminal Units

CAN/CSA-Z305.5-M86: *Medical Gas Terminal Units*

CSA Z662-99: Oil and Gas Pipeline Systems

CSA Z662-99: Réseaux de canalisations de pétrole et de gaz

**4 Canadian Gas Association (CGA)**

**4 Association canadienne du gaz (ACG)**

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CAN/CGA-B149.1-00: Code d'installation du gaz naturel et du propane

CSA-B149.2-00: Propane Storage and Handling Code

CSA-B149.2-00: Code sur l'emmagasinage et la manipulation du propane

CSA-B149.3-00: Code for the Field Approval of Fuel-Related Components on Appliances and Equipment

CSA-B149.3-00: Code d'approbation sur place des composants relatifs au combustible des appareils et appareillages

CSA-B149.5-00: Installation Code for Propane Fuel Systems and Tanks on Highway Vehicles

CSA-B149.5-00: Code d'installation des réservoirs et des systèmes d'alimentation en propane sur les véhicules routiers

**5 National Tank Truck Carriers, Inc. (NTTC)**

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