

APPENDIX 3

TABLE 1

## APPLICABLE CODES AND STANDARDS (CANADIAN STANDARDS ASSOCIATION)

DOCUMENT NUMBER	TITLE
CAN3-N285.0-M81 <sup>+</sup>	General Requirements for Pressure-Retaining Systems and Components in CANDU Nuclear Power Plants
CAN3-N285.1-M81	Requirements for Class 1, 2 and 3 Pressure-Retaining Systems and Components in CANDU Nuclear Power Plants
CAN/CSA-N285.2-M89	Requirements for Class 1c, 2c and 3c Pressure-Retaining Components and Supports in CANDU Nuclear Power Plants
CAN/CSA-N285.3-88	Requirements for Containment Systems Components in CANDU Nuclear Power Plants
CAN3-N285.4-M83	Periodic Inspection of CANDU Nuclear Power Plant Components
CSA-N285.5-M87 <sup>*</sup>	Periodic Inspection of CANDU Nuclear Power Plant Containment Components
CAN/CSA-N285.6 Series-88	Material Standards for Reactor Components for CANDU Nuclear Power Plants
CAN3-N286.0-82	Quality Assurance Program Requirements for Nuclear Power Plants
CAN3-N286.1-84	Procurement Quality Assurance for Nuclear Power Plants
CAN3-N286.2-86	Design Quality Assurance for Nuclear Power Plants
CAN3-N286.3-83	Construction Quality Assurance for Nuclear Power Plants
CAN/CSA-N286.4-M86	Commissioning Quality Assurance for Nuclear Power Plants
CAN/CSA-N286.5-M87	Operation Quality Assurance for Nuclear Power Plants
CAN3-N287.1-M82	General Requirements for Concrete Containment Structures for CANDU Nuclear Power Plants
CAN3-N287.2-M82	Material Requirements for Concrete Containment Structures for CANDU Nuclear Power Plants
CAN3-N287.3-M82	Design Requirements for Concrete Containment Structures for CANDU Nuclear Power Plants
CAN3-N287.4-M83	Construction, Fabrication and Installation Requirements for Concrete Containment Structure for CANDU Nuclear Power Plants

+ See note following Table 1.

\* Preliminary standard.

TABLE 1 (Continued)

DOCUMENT NUMBER	TITLE
CAN3-N287.5-M81	Testing and Examination Requirements for Concrete Containment Structures for CANDU Nuclear Power Plants
CAN3-N287.6-M80	Pre-Operational Proof and Leakage Rate Testing Requirements for Concrete Containment Structures for CANDU Nuclear Plants
CAN3-N287.7-M80	In-Service Examination and Testing Requirements for Concrete Containment Structures for CANDU Nuclear Power Plants
CAN/CSA-N288.1-M87	Guidelines for Calculating Derived Release Limits for Radioactive Material in Airborne and Liquid Effluents for Normal Operation of Nuclear Facilities
CAN3-N288.3.2-M85	High Efficiency Air-Cleaning Assemblies for Normal Operation of Nuclear Facilities
CAN3-N289.1-80	General Requirements for Seismic Qualification of CANDU Nuclear Power Plants
CAN3-N289.2-M81	Ground Motion Determination for Seismic Qualification of CANDU Nuclear Power Plants
CAN3-N289.3-M81	Design Procedures for Seismic Qualification for CANDU Nuclear Power Plants
CSA-N289.4-M86	Testing Procedures for Seismic Qualification of CANDU Nuclear Power Plants
CAN3-N290.1-80	Requirements for the Shutdown Systems of CANDU Nuclear Power Plants
CAN3-N290.4-M82	Requirements for the Reactor Regulating Systems of CANDU Nuclear Power Plants
CAN3-N290.6-M82	Requirements for Monitoring and Display of the CANDU Nuclear Power Plant Status in the Event of an Accident
CAN/CSA-N293-M87	Fire Protection for CANDU Nuclear Power Plants
CAN3-Z299.1-85	Quality Assurance Program - Category 1
CAN3-Z299.2-85	Quality Assurance Program - Category 2
CAN3-Z299.3-85	Quality Assurance Program - Category 3
CAN3-Z299.4-85	Quality Assurance Program - Category 4

**+ NOTE FOR TABLE 1**

The CSA N285 Standards call up the following additional standards:

**1. ASME Boiler and Pressure Vessel Code**

Section III, Div. 1      Nuclear Power Plant Components

Section V                Nondestructive Examination

Section IX               Welding and Brazing Qualifications

**2. CGSB Standards**

48-GP-4M                Certification of Nondestructive Testing Personnel  
(Radiography)

48-GP-7M                Certification of Nondestructive Testing Personnel (Ultrasonic)

48-GP-8M                Certification of Nondestructive Testing Personnel (Magnetic  
Particle)

48-GP-9M                Certification of Nondestructive Testing Personnel (Liquid  
Penetrant)

48-GP-13M               Certification of Nondestructive Testing Personnel (Eddy  
Current)

**3. CSA B51**

Code for the Construction and Inspection of Boilers and Pressure Vessels

In addition, CSA Standard B51 calls up the following additional standards applicable  
to nuclear generating station design:

- ASME Boiler and Pressure Vessel Code

Section II                Material Specifications

Section VIII             Unfired Pressure Vessels

- ANSI B31.1

Power Piping

TABLE 3  
LIST OF SAFETY DESIGN GUIDES

DESIGN GUIDE	TITLE
SDG-001	Safety-Related Systems
SDG-002	Common-Mode Incidents
SDG-003	Equipment Qualification
SDG-004	System Grouping
SDG-005	Equipment Separation
SDG-006	Containment Envelope Extensions
SDG-007	Fire Protection Program
SDG-008	Postulated Initiating Events
SDG-010	ASME Code Classification
SDG-011	Quality Assurance Level Classification
SDG-012	Periodic Inspection
SDG-013	Radiation Protection
SDG-014	Reliability Methodology
SDG-016	Internally Generated Missiles
SDG-020	Reactor Shutdown
SDG-021	Residual Heat Removal
SDG-022	Containment
SDG-023	Support Systems

1000