



INFO UPDATE

Energy

Volume 5 — August 2008

Issue date: August 7, 2008

Info Update is published by the Canadian Standards Association (CSA) eight times a year. It contains important information about new and existing standards, e.g., recently published standards, and withdrawn standards. It also gives you highlights of other activities and services.

CSA offers a free online service called *Keep Me Informed* that will notify registered users when each new issue of *Info Update* is published. To register go to <http://www.csa-intl.org/onlinestore/KeepMeInformed/PleaseIdentifyYourself.asp?Language=EN>.

To view the complete issue of *Info Update* visit <http://standardsactivities.csa.ca/standardsactivities/default.asp?language=en>.

What you'll find

Within each program, information is organized into the following sections:

Completed Projects / Projets terminés

▼ **New Standards – New Editions – Special Publications**

This section lists new standards, new editions (including adoptions), and special publications that have been published since the last issue of *Info Update*. To place your order call 1-800-463-6727 or visit our Online Store at <http://www.csa.ca>. Prices shown are quoted in Canadian dollars and do not include applicable taxes or shipping charges. Our office locations are listed at the end of this document.

▼ **Nouvelles normes – Nouvelles éditions – Publications spéciales publiées en français**

Cette section énumère les nouvelles normes et éditions (y compris les normes adoptées) ainsi que les publications spéciales qui ont paru depuis la dernière livraison du bulletin Info-Update. Pour commander, composez le 1 800 463-6727 ou visitez notre Boutique en ligne, au <http://www.csa.ca>. Les prix sont indiqués en dollars canadiens et ne comprennent pas les taxes pertinentes ni les frais d'expédition. La liste de nos bureaux est présentée à la fin de ce document.

▼ **Amendments**

Amendments are issued periodically for some standards. This section lists amendments that have been published since the last issue of *Info Update*. Most amendments are made available to the purchaser free of charge by returning the update notification card included in the standard or registering online for the update service through the Online Store at <http://www.csa.ca> and clicking on "My Account" on the navigation bar. Amendments developed by other standards development organizations, and adopted by CSA are made available for a fee. The prices shown are quoted in Canadian dollars and do not include applicable taxes or shipping charges.

▼ **Modifications publiées en français**

Dans le cas de certaines normes, des modifications sont publiées à intervalles réguliers. Cette section présente la liste des modifications publiées depuis la dernière livraison du bulletin *Info-Update*. La plupart des modifications étant offertes gratuitement, vous n'avez qu'à remplir et à nous retourner la carte d'avis de mise à jour incluse avec chaque norme. Vous pouvez également vous inscrire en direct à notre service de mise à jour en vous rendant à la Boutique en ligne, au <http://www.csa.ca>, et en cliquant sur le bouton « Mon compte » de la barre de navigation. Des frais s'appliquent toutefois aux modifications élaborées par d'autres organismes de normalisation et adoptées par la CSA. Les prix sont indiqués en dollars canadiens et ne comprennent pas les taxes pertinentes ni les frais d'expédition.

▼ **Adopted Standards**

Adopted standards have been developed by another standards development organization and have been approved by our technical committee for use in Canada, with or without modification. They are available for sale from CSA. You will find published adopted standards listed under "New Standards — New Editions — Special Publications."

▼ **Endorsed Standards**

Endorsed standards have been developed by another standards development organization, and have been approved by the appropriate CSA technical committee for use in Canada.

Endorsed standards are not sold by CSA.

For copies, contact the originating organization or Global Info Centre Canada at 1-800-854-7179 or 613-237-4250; fax 613-237-4251; e-mail gic@ihscanada.ca; Web site <http://www.global.ihs.com>.

Completed Projects (cont'd) / Projets terminés (suite)

▼ Reaffirmed Standards

The standards listed in this section have been reviewed to determine if they remain technically valid and are acceptable for use until the next edition is published or for a further five years.

▼ Withdrawn Standards

The standards listed in this section have been withdrawn. Most withdrawn standards are available from our archived collection. Some copies may not be in original format.

To order, call toll-free 1-800-463-6727 (in Toronto, 416-747-4044).

▼ Formal Interpretations

This section lists questions that individuals have submitted about a particular standard. Each question has been reviewed and answered by the appropriate committee. If you would like to submit a question about a particular standard, please see the end notes in the preface of that standard.

Under Development

The *Under Development* section formerly published in *Info Update* is now available directly on the CSA website. This enhancement allows us to provide you with these important notifications on a more timely basis. To visit the new "Current Standards Activities" page, go to: <http://standardsactivities.csa.ca/standardsactivities/default.asp?language=en>.

Certification and Testing (CSA International)

▼ Informs Notices (Bulletins from CSA International)

An *Informs* is a notice containing information only. It does not contain anything that would require you to resubmit products for certification. If you would like a copy of an *Informs* notice, call CSA International at 416-747-4171, or fax 416-747-2476.

▼ Certification Notices

Certification notices inform you about changes that would require a product to be resubmitted for certification or about critical factors that may affect a product's certification. Products must comply with the changed requirements by the effective dates given.

CSA certification and testing clients receive these notices automatically. If you did not receive a copy or would like to receive one, call CSA International at 416-747-2488, or fax 416-747-4173.



Completed Projects / Projets terminés

New Standards – New Editions – Special Publications

N285.0-08/N285.6 Series-08, 1st edition

General Requirements for Pressure-Retaining Systems and Components in CANDU

Nuclear Power Plants / Material Standards for Reactor Components for CANDU

Nuclear Power Plants

Paper.....	\$375
PDF	\$340

This publication contains the following standards:

- **N285.0**, *General Requirements for Pressure-Retaining Systems and Components in CANDU Nuclear Power Plants*. This standard specifies the technical requirements for the design, procurement, fabrication, installation, modification, repair, replacement, testing, examination, and inspection of, and other work related to, pressure-retaining and containment systems, components, and supports over the service life of a CANDU nuclear power plant. This standard applies to all pressure-retaining systems, including their components and supports, in a CANDU nuclear power plant.
- **N285.6.1**, *Pressure Tubes for Use in CANDU Fuel Channels*. This standard specifies requirements for the fabrication and properties of seamless zirconium–2.5wt % niobium (Zr-2.5Nb) alloy pressure tubes for use in fuel channels in CANDU reactors.
- **N285.6.2**, *Seamless Zirconium Alloy Tubing for Reactivity Control Units*. This standard specifies requirements for the fabrication and properties of seamless zirconium alloy tubing, Grades R60802 and R60804, with diameter-to-wall thickness ratios less than 80. This tubing is used for reactivity control units in CANDU reactors.
- **N285.6.3**, *Annealed Seamless Zirconium Alloy Tubing for Liquid Injection Shutdown System (LISS) Nozzles*. This standard specifies requirements for the fabrication and properties of seamless zirconium–tin alloy tubing, Grade R60802 or R60804, which is suitable for use in liquid injection shutdown system (LISS) nozzles located in the moderator water in the core of a CANDU reactor.
- **N285.6.4**, *Thin-Walled, Large-Diameter Zirconium Alloy Tubing*. This standard specifies requirements for the fabrication and properties of thin-walled, large-diameter tubing made from zirconium–tin alloys, Grade R60802 or R60804.
- **N285.6.6**, *Non-Destructive Examination Criteria for Zirconium Alloys*. This standard specifies requirements for non-destructive examinations (NDEs) of zirconium alloy components during manufacturing. NDE methods include visual, radiographic, liquid-penetrant, ultrasonic, and eddy current techniques.
- **N285.6.7**, *Zirconium Alloy Design Data*. This standard specifies the physical and mechanical property data to be used in the design of the zirconium alloy components specified in the CSA N285.6 Series.



New Standards – New Editions – Special Publications (cont'd)

N285.0-08/N285.6 Series-08 (cont'd)

- **N285.6.8**, *Martensitic Stainless Steel for Fuel-Channel End Fittings*. This standard specifies requirements for martensitic stainless steel forged blanks for the fuel-channel end fittings of a CANDU reactor.
- **N285.6.9**, *Materials for Supports for Pressure-Retaining Items*. This standard specifies requirements for material for the support of pressure-retaining items in CANDU nuclear power plants. The materials covered in this standard are in addition to the materials permitted by the ASME Boiler and Pressure Vessel Code (BPVC), Section III, Division 1, NF-2000, and Code Cases.
- **N285.6.10**, *Nickel-Based Alloy Wire for Fuel-Channel Spacers*. This standard specifies requirements for the nickel-based alloy (UNS N07750) wire used to form spacers for use between the pressure tubes and calandria tubes in the fuel channels in a CANDU reactor.
- **N285.6.11**, *Zirconium Alloy Wire*. This standard specifies requirements for wires made from zirconium–tin alloy, Grade R60802 or R60804, used in the welding of zirconium components and in the manufacture of the spacers that are installed between pressure tubes and calandria tubes in the fuel channels in a CANDU reactor.

Nouvelles normes – Nouvelles éditions – Publications spéciales publiées en français

N292.2-07, 2^e édition

Entreposage à sec provisoire du combustible irradié

Papier.....	220 \$
PDF.....	200 \$

Cette norme s'applique aux systèmes d'entreposage à sec provisoire du combustible irradié.

Cette norme établit des exigences visant le choix des emplacements, la conception, la construction, la mise en service, l'exploitation et le déclassé des systèmes d'entreposage à sec. Les systèmes d'entreposage à sec comprennent toutes les installations, structures, services de soutien et appareillages nécessaires pour :

- a) le transfert du combustible irradié :
 - (i) des piscines d'entreposage aux contenants de transfert ; et
 - (ii) à une installation d'entreposage à sec ;
- b) le traitement des contenants de transfert ;
- c) l'entreposage du combustible irradié ;
- d) la surveillance ;
- e) le retrait du combustible irradié entreposé à sec ; et
- f) la planification du déclassé.

Cette norme établit des exigences de sûreté et de sécurité visant les systèmes d'entreposage à sec.

Nouvelles normes – Nouvelles éditions – Publications spéciales (suite)

Z662-07, 5^e édition

Réseaux de canalisations de pétrole et de gaz (comprend aussi la Z662.1-07,
Commentary on CSA Z662-07, “Oil and Gas Pipeline Systems”)

Papier.....	695 \$
PDF.....	695 \$

Cette norme traite de la conception, de la construction, de l'exploitation et de l'entretien des réseaux de canalisations des industries gazière et pétrolière qui transportent :

- les hydrocarbures liquides, y compris le pétrole brut, les fluides multiphasés, les condensats, les dérivés liquides du pétrole et du gaz naturel et les gaz de pétrole liquéfiés ;
- les eaux de gisement ;
- la vapeur utilisée pour la mise en valeur de champs pétroliers ;
- le dioxyde de carbone utilisé pour la récupération assistée du pétrole ; ou
- le gaz.

Cette norme vise à établir les exigences essentielles et les normes minimales relatives à la conception, à la construction, à l'exploitation et à l'entretien des réseaux de canalisations de pétrole et de gaz. Elle ne constitue pas un manuel de conception et il est conseillé d'allier un bon jugement à la compétence technique au moment de son utilisation.

Amendments

C300-08

Energy Performance and Capacity of Household Refrigerators, Refrigerator-Freezers, Freezers, and Wine Chillers

Revision of Clauses 4.4.2 and 6.1.3.2.1.

This document is available in Portable Document Format (PDF) only.

Z276-07

Liquefied Natural Gas (LNG) — Production, Storage, and Handling

Revision of Clauses 2 and 9.1.1.

Modifications publiées en français

C300-08

Performance énergétique et capacité des réfrigérateurs, des réfrigérateurs-congélateurs, des congélateurs et des réfrigérants à vin ménagers

Des modifications ont été apportées aux articles 4.4.2 et 6.1.3.2.1.

Cette norme est offerte en format PDF seulement.



Modifications publiées en français (suite)

Z276-07

Gaz naturel liquéfié (GNL) : production, stockage et manutention

Des modifications ont été apportées au chapitre 3 et à l'article 9.1.1.

Reaffirmed Standards

CAN/CSA-B72-M87 (R2008)

Installation Code for Lightning Protection Systems

Formal Interpretations

The following interpretation regarding Clause 5.6.2 of CSA standard N289.3, *Design Procedures for Seismic Qualification of CANDU Nuclear Power Plants*, has been approved by the Technical Committee on Seismic Design.

Question: The seismic analysis for Feeder piping in operating nuclear plants under DBE ASME level C conditions is sometimes performed using damping values up to 8% as supported by testing and independent review in accordance with Clause 5.6.2 of CSA N289.3. Is the use of damping value up to 8% in CANDU feeder seismic analysis in accordance with Clause 5.6.2?

Answer: Yes.

The following interpretation regarding Clause 4.3.13 of CSA standard CSA Z662-07, *Oil and Gas Pipeline Systems*, has been approved by the Technical Committee on Oil & Gas Pipeline Systems.

Question: With our Pigging Valve, we use an “Entry Plug” on the top of a ball valve to facilitate access to the valve ball for insertion and removal of pipeline pigs. Would this be deemed as a “Quick-Opening Closure”?

Answer: Yes.

Certification and Testing (CSA International)

Informs Notices

Date	Subject	Title
July 3, 2008	Publication of CSA B140.10-06, <i>Oil-Fired Warm Air Heating Appliances for Mobile Housing and Recreational Vehicles</i> .	Fuel Burning Equipment No. 95