Summary of Substantive Changes
between the 2015 and the 2011 editions
(including Updates No. 1 and No. 2, dated December 2011, and August 2013) of
CSA B1800 "Thermoplastic non-pressure piping compendium"

Presented to the IAPMO Standards Review Committee on November 4, 2013

General: There were no significant changes to CSA B181.1 and CSA B181.2 and the changes to CSA B181.0 should not have an impact on currently listed products.

Note: This summary of changes accounts for component standards of the CSA B1800 compendium currently used to listed products as follows:

- CSA B181.0 "Definitions, general requirements, and methods of testing for thermoplastic nonpressure piping"
- CSA B181.1 "Acrylonitrile-butadiene-styrene (ABS) drain, waste, and vent pipe and pipe fittings"; and,
- CSA B181.2 "Polyvinylchloride (PVC) and chlorinated polyvinylchloride (CPVC) drain, waste, and vent pipe and pipe fittings"

CSA B181.0

3.1 Definitions: added definitions for industrial plastic scrap and recycled plastic as follows
Industrial plastic scrap — a plastic material that originates from a single manufacturer that is not commingled with other plastic materials including recycled plastic.
Recycled plastic — a plastic material composed of either post-consumer or recovered material and precludes any reworked material and industrial plastic scrap.

Section 4.1, Compounds: Clarified the allowable representation of reworked material as follows:
4.1.4 Recycled plastic and industrial plastic scrap
Recycled plastic and industrial plastic scrap shall not be used unless permitted in the specific product Standard of the CSA B181 or CSA B182 series. Reworked material (see Clause 4.1.3) shall not be represented as industrial plastic scrap or recycled plastic.

4.3 Environmental stress cracking: Added an option for testing PE materials in accordance with ASTM F2136 as follows:
Polyethylene materials shall be tested in accordance with ASTM D1693 or ASTM F2136, as per the appropriate product standard.

Section 6, Test methods: A new test was added as follows:
Note: The following new test added to CSA B181.0 is only referenced in section 8 of the component standard CSA B182.13 "Profile polypropylene (PP) sewer pipe and fittings for leak-proof sewer applications"
6.19 Tensile, compressive, and flexural creep and creep rupture strength test

Section 7, Markings:

Section 7.1, Pipe: Editorially changed the examples of marking the intended service with the English/French equivalent as follows:

7.1.1

Pipe shall be marked with at least the following:

(a) the nominal pipe size;

(b) the manufacturer's name or trademark;

(c) the date or date code of manufacture;

(d) the designation (e.g., ABS, ABS/PVC, ABS/PVC/ABS, CPVC, PE, PP, PVC, or PVDF);

(e) the intended service, where applicable (e.g., "DWV~~~~", "Sewer~~‡~~/Égout", "Storm Sewer~~‡~~/Égout Pluvial", "Lab Drainage§", or "PSM SDR 28 Sewer~~**~~"); and*

~~*The French equivalent is «DWV».*~~

~~*‡The French equivalent is «Égout».*~~

~~*‡The French equivalent is «Pluvial Drainage».*~~

~~*§The French equivalent is «Évacuation labo».*~~

~~***The French equivalent is «PSM SDR 28 Égout».*~~

(f) the CSA Standard designation (e.g., CSA B181.1).

Section 7.2.3: Editorially changed the examples of marking the intended service with the English/French equivalent as follows:

In addition to the requirements of Clauses 7.2.1 and 7.2.2, markings on fabricated fittings shall include a description of the fitting configuration (e.g., 90° elbow, 45° wye) and be marked with the following: "FABRICATED FITTING~~*~~/RACCORD FABRIQUÉ" or "FAB FTG~~‡~~/RAC FAB".

~~*The French equivalent is «RACCORD FABRIQUÉ».*~~

~~*‡The French equivalent is «RAC FAB».*~~

Section 7.3.1: Changed the inclusion of marking DWV Expansion Joints with the French equivalent as follows:

Expansion joints shall be marked with at least the following:

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(d) the words "DWV Expansion Joint~~~~/Joint de dilatation DWV";*

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(k) for elastomeric bellows expansion joints, the total travel as specified by the manufacturer.

~~*The French equivalent is «Joint de dilatation DWV»*~~

CSA B181.0

No substantive changes.

CSA B181.2

No substantive changes.