CAN/ULC-S601-14
(Including Erratum 1)

STANDARD FOR SHOP FABRICATED STEEL ABOVEGROUND TANKS FOR FLAMMABLE AND COMBUSTIBLE LIQUIDS

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CAN/ULC-S601-14

STANDARD FOR SHOP FABRICATED STEEL ABOVEGROUND TANKS FOR FLAMMABLE AND COMBUSTIBLE LIQUIDS

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ERRATUM NOTICE

ULC STANDARDS

STANDARD FOR SHOP FABRICATED STEEL ABOVEGROUND TANKS FOR FLAMMABLE AND COMBUSTIBLE LIQUIDS	CAN/ULC-S601-14
ERRATUM 1	DECEMBER 2017

The following amendments are being incorporated into CAN/ULC-S601-14:

1. Revised item E in Clause 11.2.1.

NOTICE

PLEASE NOTE THAT THIS STANDARD INCLUDES ERRATUM(S). THE CURRENT EDITION OF THIS STANDARD IS NOT VALID UNLESS USED TOGETHER WITH THE ERRATUM(S).

IT IS POSSIBLE, HOWEVER, THAT CERTAIN CODES WILL REFER TO THE SUPERSEDED EDITION OF THIS STANDARD, WITHOUT THE ERRATUM(S). IN THOSE INSTANCES, THE COMPILATION OF THIS DOCUMENT ALLOWS FOR REFERENCE TO BE MADE TO THE STANDARD PRIOR TO THE INCLUSION OF THE ERRATUM(S).

11.2.1 In addition to the markings required by Section 11.1, Marking – All Tanks, each rectangular tank shall be clearly marked with materials that are resistant to the environment to which the tank is intended to be exposed, with the following information, in letters at least 10 mm in height, located as indicated:

E For *generator-base tanks*:

"WARNING: THIS TANK MAY CONTAIN FLAMMABLE LIQUID. KEEP SOURCES OF IGNITION AWAY FROM THE TANK FILL AND VENT." and

«AVERTISSEMENT : CE RÉSERVOIR PEUT CONTENIR DU LIQUIDE INFLAMMABLE. TENIR LES SOURCES D'INFLAMMATION ÉLOIGNÉES DU CONTENU DU RÉSERVOIR ET DE L'ÉVENT. »

TABLE OF CONTENTS

ULC STANDARDS COMMITTEE ON STATIONARY STEEL STORAGE CONTAINERS FOR FLAMMABLE AND COMBUSTIBLE LIQUIDS I

ULC STANDARDS TASK GROUP ON STEEL ABOVEGROUND TANKS II

PREFACE III

1 SCOPE 1

2 REFERENCE PUBLICATIONS 1

3 GLOSSARY 4

4 CONSTRUCTION – GENERAL 5

4.1 CAPACITIES AND DIMENSIONS 5
4.2 MATERIAL 5
4.3 WELDING 6
4.4 TANK JOINTS 6
4.5 TANK CONNECTIONS 7
4.6 VENTING 7
4.7 MANWAY DESIGN 8
4.8 LIFTING 8
4.9 PRODUCTION TESTS 8

5 SINGLE WALL TANKS 9

5.1 GENERAL 9
5.2 HORIZONTAL CYLINDRICAL TANKS 9
5.2.1 CAPACITIES 9
5.2.2 CONSTRUCTION 9
5.3 MULTI-COMPARTMENT TANKS 9
5.4 VERTICAL CYLINDRICAL TANKS 10
5.4.1 CAPACITIES 10
5.4.2 CONSTRUCTION 10
5.4.3 TAILING LUGS AND ANCHORS 10
5.5 RECTANGULAR TANKS 11
5.5.1 CAPACITIES AND CONSTRUCTION 11
5.5.2 PERFORMANCE TESTS 11
5.5.2.1 Proof of Design 11
5.5.2.2 Static Load 11
5.5.2.3 Tank Support 11
5.5.2.4 Lifting 12
5.6 UTILITY TANKS 12
5.6.1 GENERAL 12
5.6.1.1 Capacities 12
5.6.1.2 Construction 12
5.6.1.3 Venting 12
5.6.1.4 Protective Coating 12
5.6.2 DOUBLE BOTTOM UTILITY TANKS 12

5.6.3 PERFORMANCE TESTS 13
5.6.3.1 Proof of Design 13
5.6.3.2 Drop Test 13
5.6.3.3 Handling 13
5.6.3.4 Rough Usage / Stability 13
5.6.4 PRODUCTION TEST 13

6 TANKS WITH SECONDARY CONTAINMENT 13

6.1 GENERAL 13
6.2 CONSTRUCTION – ALL TANKS 13
6.2.1 MATERIALS 13
6.2.2 CONNECTIONS 14
6.2.3 CONSTRUCTION 14
6.2.4 WELD JOINTS 14
6.3 CONSTRUCTION – DOUBLE WALL TANKS 14
6.3.1 GENERAL 14
6.3.2 JOINTS 14
6.4 INTERSTITIAL SPACE EMERGENCY VENTS 14
6.5 PRODUCTION TEST 15
6.6 MONITORING 15
6.7 SHIPPING 15
6.8 CONSTRUCTION – INTEGRAL CONTAINED TANKS 15
6.8.1 GENERAL 15
6.8.2 VENTING 16
6.9 PERFORMANCE 16
6.9.1 PRODUCTION TESTING 16

7 ACCESSORIES 16

7.1 LIFTING LUGS 16
7.2 PROTECTIVE COATINGS 16
7.3 SADDLES AND SUPPORT STRUCTURE 17
7.4 HEATING COILS AND HOT WELLS 17
7.5 SPILL CONTAINMENT DEVICE 17
7.6 SUPPLEMENTARY EQUIPMENT 17

8 PERFORMANCE TESTS 17

8.1 PROOF OF DESIGN TEST 18
8.1.1 GENERAL 18
8.1.2 APPARATUS 18
8.1.3 METHOD 18
8.2 UTILITY TANK VENT EQUIVALENCY TEST 18
8.3 HANDLING TEST 19
8.4 PRESSURE LEAK TEST 19
8.5 UTILITY TANK DROP TEST 19
8.6 UTILITY TANK ROUGH USAGE / STABILITY TEST 20
8.7 STATIC LOAD TEST 20
8.8 TANK SUPPORT LOAD TEST 20

9 PRODUCTION TESTS 20

9.1 PRODUCTION LEAK TEST 20
9.2 VACUUM HOLD TEST 21

10 INSTALLATION INSTRUCTIONS 21

11 MARKING 21

11.1 MARKING – ALL TANKS 22
11.2 MARKING – RECTANGULAR TANKS 23
11.3 MARKING – UTILITY TANKS 24
11.4 MARKING – ALL SECONDARY CONTAINMENT TANKS 24
11.5 MARKING – DOUBLE WALL TANKS 25
11.6 MARKING – INTEGRAL CONTAINED TANKS 25
11.7 MARKING – DOUBLE BOTTOM UTILITY TANKS 25

TABLES 26

FIGURES 30

APPENDICES 60

APPENDIX A (INFORMATIVE) 60

EXPLANATORY MATERIAL 60

A1 DESIGN CRITERIA FOR VERTICAL CYLINDRICAL TANKS 61

A2 MAXIMUM STRUCTURAL LIMITATIONS FOR VERTICAL TANKS 61

A3 DESIGN CRITERIA FOR HORIZONTAL CYLINDRICAL TANKS 63

APPENDIX B (INFORMATIVE) ACCEPTABLE METHOD AND DESIGN CRITERIA FOR VENTS ... 64

APPENDIX C (INFORMATIVE) GUIDANCE FOR PROTECTIVE COATINGS ON TANKS 69

APPENDIX D (INFORMATIVE) SADDLES FOR HORIZONTAL CYLINDRICAL TANKS 70

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This list represents the membership at the time the Committee balloted on the final text of this edition. Since that time, changes in the membership may have occurred.

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STANDARD FOR SHOP FABRICATED STEEL ABOVEGROUND TANKS FOR FLAMMABLE AND COMBUSTIBLE LIQUIDS

PREFACE

This is the Fifth Edition of the Standard for Shop Fabricated Steel Aboveground Tanks for Flammable and Combustible Liquids, CAN/ULC-S601-14.

This Edition of the Standard was developed by the ULC Task Group on Steel Aboveground Tanks (S601) and was formally approved by the ULC Committee on Stationary Steel Storage Containers for Flammable and Combustible Liquids.

Only metric SI units of measurement are used in this Standard. If a value for measurement is followed by a value in other units in parentheses, the second value may be approximate. The first stated value is the requirement.

Appendices A to D, identified as informative, are for guidance and informational purposes only.

In Canada, there are two official languages, English and French. All safety warnings must be in French and English. Attention is drawn to the fact that some Canadian authorities may require additional markings and/or installation instructions to be in both official languages, except as may be stated elsewhere in this Standard.

This Fifth Edition National Standard of Canada is based on, and now supersedes, the Fourth Edition.

Attention is drawn to the possibility that some of the elements of this Canadian standard may be the subject of patent rights. ULC Standards shall not be held responsible for identifying any or all such patent rights.

Requests for interpretation of this Standard should be sent to ULC Standards. The requests should be worded in such a manner as to permit a “yes” or “no” answer based on the literal text of the requirement concerned.

The initiation of the review of this Standard will commence within 5 years of the date of publication, unless the Standard is identified as fitting within a stabilized category, whereby the review will commence within the appropriate time frame set out by ULC Standards.

This Standard is intended to be used for conformity assessment.

1 SCOPE

1.1 This Standard sets forth minimum requirements for steel, *non pressure tanks* that are used for the aboveground storage of *flammable* and *combustible liquids* compatible with the material of construction and with a specific gravity not greater than 1.0.

NOTE: These tanks may also be used for the storage of *used oil*. For tanks intended solely for the collection of *used oil*, refer to CAN/ULC-S652, Standard for Tank Assemblies for the Collection, Storage and Removal of Used Oil.

1.2 This Standard covers tanks, which are fabricated, inspected and tested for leakage before shipment from the factory.

1.3 This Standard covers the construction of tanks for use in stationary installations. Tanks fabricated in accordance with this Standard are not intended for the transportation of *flammable* and *combustible liquids* nor are they intended to be transported while containing such liquids.

NOTE: Relocation of tanks other than *utility tanks* is subject to the requirements of the *authority having jurisdiction*.

1.4 The installation of such tanks shall be in accordance with, but not limited to, the following documents:

A National Fire Code of Canada, Part 4;

B CSA B139, Installation Code for Oil Burning Equipment;

C CCME Environmental Code of Practice for Aboveground and Underground Storage Tank Systems Containing Petroleum and Allied Petroleum Products; and

D Regulations of the appropriate *authority having jurisdiction*.

1.5 Section 5 of this Standard covers the construction of single wall tanks. Section 6 covers the construction of tanks with *secondary containment*.

1.6 This Standard also covers aboveground steel, rectangular, *non-pressure workbench tanks* for the combined use as a working surface and storage of lubricating oils having capacities up to and including 2500 L.

1.7 This Standard also covers aboveground steel, rectangular, *non-pressure, generator-base tanks*.

1.8 This Standard also covers *utility tanks* and *double bottom utility tanks* designed to allow for relocation as required by their intended service. These tanks are for installation at locations such as farms, construction sites, demolition sites, exploration sites, forestry operations and similar locations.

1.9 This Standard does not cover wind loading or seismic loading of tanks. However, Guidelines for the Maximum Structural Limitations for Vertical Tanks (A2) are included in Appendix A (Informative), Explanatory Materials.

2 REFERENCE PUBLICATIONS

2.1 The documents shown below are referenced in the text of this Standard. Unless otherwise stated elsewhere in this Standard such reference shall be considered to indicate the edition and/or revisions of the document available at the date on which the Committee approved this ULC Standard. All undated references shall be interpreted as referring to the latest edition of that document.

Documents Published by the American Petroleum Institute (API)