

HB0032S03 compared with HB0032S02

~~deleted text~~ shows text that was in HB0032S02 but was deleted in HB0032S03.

Inserted text shows text that was not in HB0032S02 but was inserted into HB0032S03.

DISCLAIMER: This document is provided to assist you in your comparison of the two bills. Sometimes this automated comparison will NOT be completely accurate. Therefore, you need to read the actual bills. This automatically generated document could contain inaccuracies caused by: limitations of the compare program; bad input data; or other causes.

Senator Curtis S. Bramble proposes the following substitute bill:

UNIFORM CONSTRUCTION CODE AMENDMENTS

2018 GENERAL SESSION

STATE OF UTAH

Chief Sponsor: Mike Schultz

Senate Sponsor: Curtis S. Bramble

LONG TITLE

General Description:

This bill amends the State Construction and Fire Codes Act.

Highlighted Provisions:

This bill:

- ▶ adds the definition of a "motor vehicle waste disposal well" to the International Plumbing Code;
- ▶ adds a section regarding the prohibition of certain motor vehicle waste disposal wells to the International Plumbing Code;
- ▶ amends the International Residential Code;
- ▶ incorporates by reference the 2017 edition of the National Electrical Code;
- ▶ amends incorporated provisions of the National Electrical Code; and
- ▶ makes technical changes.

HB0032S03 compared with HB0032S02

Money Appropriated in this Bill:

None

Other Special Clauses:

None

Utah Code Sections Affected:

AMENDS:

15A-2-103, as last amended by Laws of Utah 2016, Chapter 249

15A-3-205, as last amended by Laws of Utah 2016, Chapter 249

15A-3-206, as last amended by Laws of Utah 2017, Chapter 236

15A-3-302, as last amended by Laws of Utah 2016, Chapter 249

15A-3-304, as last amended by Laws of Utah 2016, Chapter 249

15A-3-601, as last amended by Laws of Utah 2016, Chapter 249

Be it enacted by the Legislature of the state of Utah:

Section 1. Section **15A-2-103** is amended to read:

15A-2-103. Specific editions adopted of construction code of a nationally recognized code authority.

(1) Subject to the other provisions of this part, the following construction codes are incorporated by reference, and together with the amendments specified in Chapter 3, Part 3, Statewide Amendments to International Plumbing Code, and Chapter 4, Local Amendments Incorporated as Part of State Construction Code, are the construction standards to be applied to building construction, alteration, remodeling, and repair, and in the regulation of building construction, alteration, remodeling, and repair in the state:

(a) the 2015 edition of the International Building Code, including Appendix J, issued by the International Code Council;

(b) the 2015 edition of the International Residential Code, issued by the International Code Council;

(c) the 2015 edition of the International Plumbing Code, issued by the International Code Council;

(d) the 2015 edition of the International Mechanical Code, issued by the International Code Council;

HB0032S03 compared with HB0032S02

(e) the 2015 edition of the International Fuel Gas Code, issued by the International Code Council;

(f) the ~~[2014]~~ 2017 edition of the National Electrical Code, issued by the National Fire Protection Association;

(g) the 2015 edition of the International Energy Conservation Code, issued by the International Code Council;

(h) the 2015 edition of the International Existing Building Code, issued by the International Code Council;

(i) subject to Subsection 15A-2-104(2), the HUD Code;

(j) subject to Subsection 15A-2-104(1), Appendix E of the 2015 edition of the International Residential Code, issued by the International Code Council; and

(k) subject to Subsection 15A-2-104(1), the 2005 edition of the NFPA 225 Model Manufactured Home Installation Standard, issued by the National Fire Protection Association.

(2) Consistent with Title 65A, Chapter 8, Management of Forest Lands and Fire Control, the Legislature adopts the 2006 edition of the Utah Wildland Urban Interface Code, issued by the International Code Council, with the alternatives or amendments approved by the Utah Division of Forestry, as a construction code that may be adopted by a local compliance agency by local ordinance or other similar action as a local amendment to the codes listed in this section.

Section 2. Section 15A-3-205 is amended to read:

15A-3-205. Amendments to Chapters 26 through 35 of IRC.

(1) A new IRC, Section P2602.3, is added as follows: "P2602.3 Individual water supply. Where a potable public water supply is not available, individual sources of potable water supply shall be utilized, provided that the source has been developed in accordance with Utah Code, Sections 73-3-1 and 73-3-25, as administered by the Department of Natural Resources, Division of Water Rights. In addition, the quality of the water shall be approved by the local health department having jurisdiction."

(2) A new IRC, Section P2602.4, is added as follows: "P2602.4 Sewer required. Every building in which plumbing fixtures are installed and all premises having drainage piping shall be connected to a public sewer where the sewer is accessible and is within 300 feet of the property line in accordance with Utah Code, Section 10-8-38; or an approved private sewage

HB0032S03 compared with HB0032S02

disposal system in accordance with Utah Administrative Code, Chapter 4, Rule R317, as administered by the Department of Environmental Quality, Division of Water Quality."

(3) In IRC, Section P2801.8, all words in the first sentence up to the word "water" are deleted.

(4) A new IRC, Section P2902.1.1, is added as follows: "P2902.1.1 Backflow assembly testing. The premise owner or the premise owner's designee shall have backflow prevention assemblies operation tested in accordance with administrative rules made by the Drinking Water Board at the time of installation, repair, and relocation and at least on an annual basis thereafter, or more frequently as required by the authority having jurisdiction. Testing shall be performed by a Certified Backflow Preventer Assembly Tester. The assemblies that are subject to this paragraph are the Spill Resistant Vacuum Breaker, the Pressure Vacuum Breaker Assembly, the Double Check Backflow Prevention Assembly, the Double Check Detector Assembly Backflow Preventer, the Reduced Pressure Principle Backflow Preventer, and Reduced Pressure Detector Assembly. Third-party certification for backflow prevention assemblies will consist of any combination of two certifications, laboratory or field. Acceptable third-party laboratory certifying agencies are ASSE, IAPMO, and USC-FCCCHR. USC-FCCCHR currently provides the only field testing of backflow protection assemblies. Also see www.drinkingwater.utah.gov and rules made by the Drinking Water Board."

(5) In IRC, Section P2902.1, the following subsections are added as follows:

"P2902.1.1 General Installation Criteria.

Assemblies shall not be installed more than five feet above the floor unless a permanent platform is installed. The assembly owner, where necessary, shall provide devices or structures to facilitate testing, repair, and maintenance, and to insure the safety of the backflow technician.

P2902.1.2 Specific Installation Criteria.

P2902.1.2.1 Reduced Pressure Principle Blackflow Prevention Assembly.

The reduced pressure principle backflow prevention assembly shall be installed as follows:

- a. The assembly may not be installed in a pit.
- b. The relief valve of the assembly shall not be directly connected to a waste disposal line, including a sanitary sewer, a storm drain, or a vent.

HB0032S03 compared with HB0032S02

- c. The assembly shall be installed in a horizontal position only, unless listed or approved for vertical installation in accordance with Section 303.4.
- d. The bottom of the assembly shall be installed a minimum of 12 inches above the floor or ground.
- e. The body of the assembly shall be a minimum of 12 inches from any wall, ceiling, or obstacle, and shall be readily accessible for testing, repair, and maintenance.

P2902.1.2.2 Double Check Valve Backflow Prevention Assembly.

A double check valve backflow prevention assembly shall be installed as follows:

- a. The assembly shall be installed in a horizontal position only, unless listed or approved for vertical installation.
- b. The bottom of the assembly shall be a minimum of 12 inches above the ground or floor.
- c. The body of the assembly shall be a minimum of 12 inches from any wall, ceiling, or obstacle, and shall be readily accessible for testing, repair, and maintenance.
- d. If installed in a pit, the assembly shall be installed with a minimum of 12 inches of clearance between all sides of the vault, including the floor and roof or ceiling, with adequate room for testing and maintenance.

P2902.1.2.3 Pressure Vacuum Break Assembly and Spill Resistant Pressure Vacuum Breaker Assembly.

A pressure vacuum break assembly or a spill resistant pressure vacuum breaker assembly shall be installed as follows:

- a. The assembly shall not be installed in an area that could be subject to backpressure or back drainage conditions.
- b. The assembly shall be installed a minimum of 12 inches above all downstream piping and the highest point of use.
- c. The assembly shall be a minimum of 12 inches from any wall, ceiling, or obstacle, and shall be readily accessible for testing, repair, and maintenance.
- d. The assembly shall not be installed below ground, in a vault, or in a pit.
- e. The assembly shall be installed in a vertical position."

(6) In IRC, Section P2903.9.3, the first sentence is deleted and replaced with the following: "Unless the plumbing appliance or plumbing fixture has a wall-mount valve, shutoff valves shall be required on each fixture supply pipe to each plumbing appliance and to each

HB0032S03 compared with HB0032S02

plumbing fixture other than bathtubs and showers."

~~[(6)]~~[(7)] IRC, Section P2910.5, is deleted and replaced with the following:

"P2910.5 Potable water connections.

When a potable water system is connected to a nonpotable water system, the potable water system shall be protected against backflow by a reduced pressure backflow prevention assembly or an air gap installed in accordance with Section 2901."

~~[(7)]~~[(8)] IRC, Section P2910.9.5, is deleted and replaced with the following:

"P2910.9.5 Makeup water.

Where an uninterrupted nonpotable water supply is required for the intended application, potable or reclaimed water shall be provided as a source of makeup water for the storage tank. The makeup water supply shall be protected against backflow by means of an air gap not less than 4 inches (102 millimeters) above the overflow or by a reduced pressure backflow prevention assembly installed in accordance with Section 2902."

~~[(8)]~~[(9)] In IRC, Section P2911.12.4, the following words are deleted: "and backwater valves".

~~[(9)]~~[(10)] In IRC, Section P2912.15.6, the following words are deleted: "and backwater valves".

~~[(10)]~~[(11)] In IRC, Section P2913.4.2, the following words are deleted: "and backwater valves".

~~[(11)]~~[(12)] IRC, Section P3009, is deleted and replaced with the following:

"P3009 Connected to nonpotable water from on-site water reuse systems.

Nonpotable systems utilized for subsurface irrigation for single-family residences shall comply with the requirements of R317-401, UAC, Gray Water Systems."

~~[(12)]~~[(13)] In IRC, Section P3103.6, the following sentence is added at the end of the paragraph: "Vents extending through the wall shall terminate not less than 12 inches from the wall with an elbow pointing downward."

~~[(13)]~~[(14)] In IRC, Section P3104.4, the following sentence is added at the end of the paragraph: "Horizontal dry vents below the flood level rim shall be permitted for floor drain and floor sink installations when installed below grade in accordance with Chapter 30, and Sections P3104.2 and P3104.3. A wall cleanout shall be provided in the vertical vent."

Section ~~[(2)]~~[(3)]. Section **15A-3-206** is amended to read:

HB0032S03 compared with HB0032S02

15A-3-206. Amendments to Chapters 37, 39, and 44 and Appendix F of IRC.

(1) In IRC, Section E3705.4.5, the following words are added after the word "assemblies": "with ungrounded conductors 10 AWG and smaller".

~~(1)~~ (2) In IRC, Section E3901.9, the following exception is added:

"Exception: Receptacles or other outlets adjacent to the exterior walls of the garage, outlets adjacent to an exterior wall of the garage, or outlets in a storage room with entry from the garage may be connected to the garage branch circuit."

~~(2)~~ (3) IRC, Section E3902.16 is deleted.

~~(3)~~ (4) In Section E3902.17:

(a) following the word "Exception" the number "1." is added; and

(b) at the end of the section, the following sentences are added:

"2. This section does not apply for a simple move or an extension of a branch circuit or an outlet which does not significantly increase the existing electrical load. This exception does not include changes involving remodeling or additions to a residence."

~~(4)~~ (5) IRC, Chapter 44, is amended by adding the following reference standard:

Standard reference number	Title	Referenced in code section number
USC-FCCCHR 10th Edition Manual of Cross Connection Control	Foundation for Cross-Connection Control and Hydraulic Research University of Southern California Kaprielian Hall 300 Los Angeles CA 90089-2531	Table P2902.3"

~~(5)~~ (6) (a) When passive radon controls or portions thereof are voluntarily installed, the voluntary installation shall comply with Appendix F of the IRC.

(b) An additional inspection of a voluntary installation described in Subsection ~~(5)~~ (6)(a) is not required.

Section ~~(3)~~4. Section **15A-3-302** is amended to read:

15A-3-302. Amendments to Chapters 1 and 2 of IPC.

(1) A new IPC, Section 101.2.1, is added as follows: "For clarification, the International Private Sewage Disposal Code is not part of the plumbing code even though it is in the same printed volume."

(2) In IPC, Section 202, the definition for "Backflow Backpressure, Low Head" is

HB0032S03 compared with HB0032S02

deleted.

(3) In IPC, Section 202, the following definition is added: "Certified Backflow Preventer Assembly Tester. A person who has shown competence to test Backflow prevention assemblies to the satisfaction of the authority having jurisdiction under Utah Code, Subsection 19-4-104(4)."

(4) In IPC, Section 202, the following definition is added: "Contamination (High Hazard). An impairment of the quality of the potable water that creates an actual hazard to the public health through poisoning or through the spread of disease by sewage, industrial fluids or waste."

(5) In IPC, Section 202, the definition for "Cross Connection" is deleted and replaced with the following: "Cross Connection. Any physical connection or potential connection or arrangement between two otherwise separate piping systems, one of which contains potable water and the other either water of unknown or questionable safety or steam, gas, or chemical, whereby there exists the possibility for flow from one system to the other, with the direction of flow depending on the pressure differential between the two systems (see "Backflow")."

(6) In IPC, Section 202, the following definition is added: "Deep Seal Trap. A manufactured or field fabricated trap with a liquid seal of 4" or larger."

(7) In IPC, Section 202, the definition for "Essentially Nontoxic Transfer Fluid" is deleted and replaced with the following:

"ESSENTIALLY NONTOXIC TRANSFER FLUID. Fluids having a Gosselin rating of 1, including propylene glycol; and mineral oil."

(8) In IPC, Section 202, the definition for "Essentially Toxic Transfer Fluid" is deleted and replaced with the following:

"ESSENTIALLY TOXIC TRANSFER FLUID. Soil, waste, or gray water; and any fluid that is not an essentially nontoxic transfer fluid under this code."

(9) In IPC, Section 202, the following definition is added: "High Hazard. See Contamination."

(10) In IPC, Section 202, the following definition is added: "Low Hazard. See Pollution."

(11) In IPC, Section 202, the following definition is added: "Motor ~~vehicle waste disposal well~~ **Vehicle Waste Disposal Well**. An injection well that discharges to the subsurface

HB0032S03 compared with HB0032S02

by way of a floor drain, septic system, French drain, dry well, or similar system that receives or has received fluid from a facility engaged in vehicular repair or maintenance activities, including an auto body repair shop, automotive repair shop, new and used car dealership, speciality repair shop, or any other facility that does any vehicular repair work. A motor vehicle waste disposal well is subject to rulemaking under Section 19-5-104 regarding underground injection."

~~[(11)]~~ (12) In IPC, Section 202, the following definition is added: "Pollution (Low Hazard). An impairment of the quality of the potable water to a degree that does not create a hazard to the public health but that does adversely and unreasonably affect the aesthetic qualities of such potable water for domestic use."

~~[(12)]~~ (13) In IPC, Section 202, the definition for "Potable Water" is deleted and replaced with the following: "Potable Water. Water free from impurities present in amounts sufficient to cause disease or harmful physiological effects and conforming to the Utah Code, Title 19, Chapter 4, Safe Drinking Water Act, and Title 19, Chapter 5, Water Quality Act, and the regulations of the public health authority having jurisdiction."

Section ~~(4)~~5. Section **15A-3-304** is amended to read:

15A-3-304. Amendments to Chapter 4 of IPC.

(1) In IPC, Table 403.1, the following changes are made:

(a) The title for Table 403.1 is deleted and replaced with the following: "Table 403.1, Minimum Number of Required Plumbing Fixtures^{a, h}";

(b) In row number "3", for "E" occupancy, in the field for "OTHER", a new footnote g is added.

(c) In row number "5", for "I-4 Adult day care and child day care" occupancy, in the field for "OTHER", a new footnote g is added.

(d) A new footnote f is added as follows: "FOOTNOTE: f. When provided, in public toilet facilities, there shall be an equal number of diaper changing facilities in male toilet rooms and female toilet rooms. Diaper changing facilities shall meet the requirements of ASTM F2285-04 (2010) Standard Consumer Safety Performance Specifications for Diaper Changing Tables for Commercial Use."

(e) A new footnote g is added to the table as follows: "FOOTNOTE g: Non-residential child care facilities shall comply with the additional requirements for sinks in administrative

HB0032S03 compared with HB0032S02

rule made by the Department of Health."

(2) A new IPC, Section 406.3, is added as follows: " 406.3 Automatic clothes washer safe pans. Safe pans, when installed under automatic clothes washers, shall be installed in accordance with Section 504.7."

(3) A new IPC, Section 412.5, is added as follows: "412.5 Public toilet rooms. All public toilet rooms in A & E occupancies and M occupancies with restrooms having multiple water closets or urinals shall be equipped with at least one floor drain."

(4) A new IPC, Section 412.6, is added as follows: "Prohibition of Motor Vehicle Waste Disposal Wells. New and existing motor vehicle waste disposal wells are prohibited. A motor vehicle waste disposal well associated with a single family residence is not subject to this prohibition."

~~[(4)]~~ (5) IPC, Section 423.3, is deleted.

Section ~~(5)~~6. Section **15A-3-601** is amended to read:

15A-3-601. General provisions.

The following are adopted as amendments to the NEC to be applicable statewide:

(1) The IRC provisions are adopted as the residential electrical standards applicable to residential installations [~~applicable~~] under the IRC. All other installations shall comply with the adopted NEC.

~~[(2) NEC, Section 240.87(B), is modified to add the following as an additional approved equivalent means:]~~

~~["6. An instantaneous trip function set at or below the available fault current."]~~

(2) In NEC, Section 210.8(B), the words "and three phase receptacles rated 150 volts to ground or less, 100 amperes or less" are deleted.

(3) NEC, Section 210.71, is deleted.

(4) In NEC, Section 240.67, the words "January 1, 2020" are deleted and replaced with "upon adoption of the 2020 NEC".