



**VIRTUAL/TELECONFERENCE
PLUMBING CODE ADVISORY COMMITTEE MEETING
Virtual, 4822 Madison Yards Way, Madison
Contact: Carl Hampton (608) 266-2112
June 22, 2021**

The following agenda describes the issues that the Committee plans to consider at the meeting. At the time of the meeting, items may be removed from the agenda. Please consult the meeting minutes for a record of the actions of the Committee.

AGENDA

10:00 A.M.

OPEN SESSION – CALL TO ORDER – ROLL CALL

- A. Adoption of Agenda (1)**
- B. Approval of Minutes for May 26, 2021 (2-3)**
- C. Administrative Matters – Discussion and Consideration**
 - 1) Committee, Department and Staff Updates
- D. Administrative Rule Matters – Discussion and Consideration**
 - 1) Review of Plumbing Code Changes **(4-15)**
 - a. SPS 381 – Definitions and Standards
 - b. SPS 382 – Design, Construction, Installation, Supervision, Maintenance, and Inspection of Plumbing
 - c. SPS 384 – Plumbing Products
- E. Public Comments**

ADJOURNMENT

NEXT MEETING: JULY 27, 2021

MEETINGS AND HEARINGS ARE OPEN TO THE PUBLIC, AND MAY BE CANCELLED WITHOUT NOTICE.

Times listed for meeting items are approximate and depend on the length of discussion and voting. All meetings are held at 4822 Madison Yards Way, Madison, Wisconsin, unless otherwise noted. In order to confirm a meeting or to request a complete copy of the board's agenda, please call the listed contact person. The board may also consider materials or items filed after the transmission of this notice. Times listed for the commencement of disciplinary hearings may be changed by the examiner for the convenience of the parties. Requests for interpreters for the deaf or hard of hearing, or other accommodations, are considered upon request by contacting the Affirmative Action Officer, 608-266-2112, or the Meeting Staff at 608-266-5439.

**VIRTUAL/TELECONFERENCE
PLUMBING CODE ADVISORY COMMITTEE
MEETING MINUTES
MAY 26, 2021**

PRESENT: Fred Gardner, Joseph Kiedrowski, Justin Kressin, Randy Lorge (*excused at 12:05 p.m.*), Roger Musolff, Jason Sladky, Spencer Statz

STAFF: Carl Hampton, Administrator, Division of Policy Development; Jameson Whitney, Legal Counsel; Garry Krause, Bureau Director; Tony Martin, Plumbing Plan Reviewer; Glen Schlueter, Plumbing Product Reviewer; Bruce Meiners, Plumbing Consultant; Philip Harkleroad, Section Chief; Ron Soquet, Plumbing Plan Reviewer; Justin Gavin, Integrated Services Section Chief-Commercial Buildings; Brandon Piper, Administrator-Division of Industry Services; Erik Hansen, Business Systems Consultant-Sr.; Thomas Westlund, Business Systems Consultant-Sr.; Megan Glaeser, Bureau Assistant; and other Department staff

Jason Sladky, Chairperson, called the meeting to order at 10:00 a.m. A majority of seven (7) members was present.

ADOPTION OF AGENDA

MOTION: Roger Musolff moved, seconded by Joseph Kiedrowski, to adopt the Agenda as published. Motion carried unanimously.

APPROVAL OF MINUTES OF APRIL 22, 2021

MOTION: Joseph Kiedrowski moved, seconded by Justin Kressin, to approve the Minutes of April 22, 2021 as published. Motion carried unanimously.

ADMINISTRATIVE RULE MATTERS

(Randy Lorge was excused at 12:05 p.m.)

Plumbing Code Changes

MOTION: Fred Gardner moved, seconded by Jason Sladky, to not recommend approval of SPS 382.35(3)(e)2, as outlined in the 5/26/2021 agenda materials. Motion carried unanimously.

MOTION: Joseph Kiedrowski moved, seconded by Spencer Statz, to table discussion of SPS 382.51(2)(e), 384.30(3)(e)3, 384.30(3)(d), 382.50(3)(b)7.c, 382.50(3)(b)5, and 382.50(3)(b)8 until a future meeting. Motion carried unanimously.

MOTION: Roger Musolff moved, seconded by Fred Gardner, to recommend approval of SPS 381 Definitions and Standards and related portions of SPS 382 and 384 (sections Table 381.20-3e, 384.20(5)(c)3.a and b, 381.01(31), Table 381.20-3e, 384.20(5)(c)21, Table 382.41-2, Table 381.20-5, Table 384.30-4, Table 381.20-11 4-6, 384.20(5)(r)1-3, Table 381.20-11 4 Wis. Adm.

Code 7, 384.20(5)(r)4, Table 381.20-11 4 Wis. Adm. Code 8, 384.20(5)(r)5, Table 381.20-11 4 Wis. Adm. Code 9, 384.20(5)(r)6, Table 381.20-11 4 Wis. Adm. Code 10, 384.20(5)(r)7, 7a, and 7b, Table 381.20-11 4 Wis. Adm. Code 11, 384.20(5)(r)8, Table 381.20-11 4 Wis. Adm. Code 10, 384.20(5)(r)7, 7a, and 7b, and 384.30-11) as outlined in the 5/26/2021 agenda materials with appropriate notes. Motion carried unanimously.

MOTION: Roger Musolff moved, seconded by Joseph Kiedrowski, to recommend approval of SPS 382 Design, Construction, Installation, Supervision, Maintenance, and Inspection of Plumbing (sections 382.33(9)(a), 382.33(9)(g) note, 382.34 (TITLE), 382.34(15)(e)1, 382.34(15)(d)2, 382.34(3)(e), 382.34(3)(g)4, 382.36(9)(b)3, 382.36(13)(b), 382.365(3)(a)2, 382.50(2)(b)1.b, 382.50(2)(b)2. a and b, 382.50(2)(b) 2.c, 382.50(3)(ag), 382.50(3)(a)2, 382.50(3)(b)7.b, 382.50(3)(b)10, 382.50(3)(b)4.b, 382.50(3)(b)7, 382.50(3)(b)12, Table 382.50-1 Title, and Table 382.50-1) as outlined in the 5/26/2021 agenda materials with appropriate notes. Motion carried unanimously.

MOTION: Joseph Kiderowski moved, seconded by Jason Sladky, to recommend approval of SPS 384 Plumbing Products (sections 384.30(1), Tables 384.30-1 and 384.30-2, Table 384.30-1, Table 384.30-2, Table 384.30-3, Table 384.30-4, Table 384.30-5, Table 384.30-8, Table 384.30-9, 384.30(5)(c)9 (NOTE), 384.30(5)(d), and 384.30(6)(b)) as outlined in the 5/26/2021 agenda materials with appropriate notes. Motion carried unanimously.


ADJOURNMENT

MOTION: Roger Musolff moved, seconded by Fred Gardner, to adjourn the meeting. Motion carried unanimously.

The meeting adjourned at 1:03 p.m.

**State of Wisconsin
Department of Safety & Professional Services**

AGENDA REQUEST FORM

1) Name and title of person submitting the request: Bruce Meiners		2) Date when request submitted: 06/22/2021 <small>Items will be considered late if submitted after 12:00 p.m. on the deadline date which is 8 business days before the meeting</small>	
3) Name of Board, Committee, Council, Sections: Plumbing Code Advisory Committee			
4) Meeting Date: 06/22/2021	5) Attachments: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	6) How should the item be titled on the agenda page? Administrative Rule Matters 1. Review of Plumbing Code Changes under SPS 381, 382, 384	
7) Place Item in: <input checked="" type="checkbox"/> Open Session <input type="checkbox"/> Closed Session	8) Is an appearance before the Board being scheduled? <i>(If yes, please complete Appearance Request for Non-DSPS Staff)</i> <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	9) Name of Case Advisor(s), if required:	
10) Describe the issue and action that should be addressed: 1. Review of Draft review table for SPS (pdf) 2. Member questions, issues, etc.			
11) Authorization			
 Signature of person making this request		06/09/2021 Date	
Supervisor (if required)		Date	
Executive Director signature (indicates approval to add post agenda deadline item to agenda) Date			
Directions for including supporting documents: 1. This form should be attached to any documents submitted to the agenda. 2. Post Agenda Deadline items must be authorized by a Supervisor and the Policy Development Executive Director. 3. If necessary, provide original documents needing Board Chairperson signature to the Bureau Assistant prior to the start of a meeting.			

Wisconsin Department of Safety and Professional Services

Plumbing Code Advisory Committee Plumbing Code Rule Recommendations for SPS Chapters 305, 381 to 387

DRAFT – SUBJECT TO CHANGE

THIS DOCUMENT IS NOT A RULE DRAFT OR THE OFFICIAL MEETING MINUTES OF THE PLUMBING CODE ADVISORY COMMITTEE.

Meeting minutes and agendas may be viewed [HERE](#).

SPS 382						
NO.	RULE PROVISION	ISSUE/REASON FOR CHANGE	PROPOSED BY	EXISTING LANGUAGE AND PROPOSED CHANGE	POTENTIAL IMPACT/COST	COMMENTS/STATUS
				Document for June 22, 2021 meeting		

46A.	TABLE 382.38-1 <u>4M. AND 9M.</u>	REVISE TABLE, ADD NEW USES 4M. AND 9M.	DIS	<p>TABLE 382.38 – 1 ALLOWABLE DISCHARGE POINTS BY FIXTURE OR SPECIFIC USES</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 15%;">Use or fixture</th> <th style="width: 10%;">POWTS^a</th> <th style="width: 10%;">Municipal Sanitary Sewer</th> <th style="width: 10%;">Municipal Storm Sewer</th> <th style="width: 10%;">Ground Surface</th> <th style="width: 10%;">Combined Sanitary– Storm Sewer</th> <th style="width: 10%;">Subsurface Dispersal^l</th> </tr> </thead> <tbody> <tr> <td><u>4m. Elevator door area drains</u></td> <td style="text-align: center;"><u>X</u></td> <td style="text-align: center;"><u>X</u></td> <td style="text-align: center;"><u>X</u></td> <td style="text-align: center;"><u>X</u></td> <td style="text-align: center;"><u>X</u></td> <td style="text-align: center;"><u>X</u></td> </tr> <tr> <td><u>9m. Open public parking levels</u></td> <td> </td> <td> </td> <td style="text-align: center;"><u>X</u></td> <td style="text-align: center;"><u>X^b</u></td> <td style="text-align: center;"><u>X</u></td> <td style="text-align: center;"><u>X</u></td> </tr> </tbody> </table> <p>DISCUSSION: OPEN PARKING LOT IS COVERED UNDER CBC.</p>	Use or fixture	POWTS ^a	Municipal Sanitary Sewer	Municipal Storm Sewer	Ground Surface	Combined Sanitary– Storm Sewer	Subsurface Dispersal ^l	<u>4m. Elevator door area drains</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>X</u>	<u>9m. Open public parking levels</u>			<u>X</u>	<u>X^b</u>	<u>X</u>	<u>X</u>		<p><i>12/18/2018 – MOTION TO ADOPT AS AMENDED.</i></p> <p style="background-color: yellow;">TONY</p> <p style="background-color: yellow;">4M FIRE PROTECTION WATER DISCHARGE</p> <p style="background-color: yellow;">STORM CONDUCTORS</p> <p style="background-color: yellow;">DEFINED IN IBC 406.3</p>
Use or fixture	POWTS ^a	Municipal Sanitary Sewer	Municipal Storm Sewer	Ground Surface	Combined Sanitary– Storm Sewer	Subsurface Dispersal ^l																					
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<u>9m. Open public parking levels</u>			<u>X</u>	<u>X^b</u>	<u>X</u>	<u>X</u>																					

46c.	382.40 (3) (b)	Revise	DIS	(a) <i>Hot water required.</i> Except as provided in subds. 1. And 2., hot water shall be provided to all plumbing fixtures, appliances and equipment used for personal washing, building maintenance, culinary purposes, or laundering, <u>or a sink used for building maintenance in a public building.</u>		12/18/2018 – <i>Motion to adopt as amended.</i> Ron Reviewed – Adding language to include sinks used for building maintenance in public buildings to be included to be required to have hot water. See no issues with added language.
51 a9.	382.41 (3) (b) 5.	DNR does not allow threads on sample taps. Individual dialysis machines are provided with cross connection control through another process. Language was proposed for 382.50 also.	DIS	5. A cross connection shall <u>may</u> not be considered to exist at the hose threaded outlet installed for the sole purpose of <u>any of the following:</u> a. Draining a water supply system or any portion thereof; b. Obtaining water quality samples of the water supply system or any portion thereof; or <u>bm.</u> Connecting individual portable dialysis machines when enclosed in a lockable box. c. Connecting individual residential <u>-type</u> automatic clothes washers.	n/a	Ron <i>Reviewed – See no issues with the striking and adding of language.</i>

51 a12.	382.41 (3) (d) Create <u>1.</u> and <u>2.</u>	Revise to clarify confusion whether a cross connection control method, device, or assembly could be bypassed.	DIS	<i>Prohibitions.</i> <u>1.</u> The use of a toxic solution as a heat transfer fluid in single-wall heat exchanger for potable water is prohibited. <u>2. A cross connection control method, device, or assembly may not be bypassed without a cross connection control method, device, or assembly of at least equal protection.</u>	n/a	Ron <i>Reviewed – See no issue with adding Subdivision 2.</i>
51 a13.	382.41 (4) (b) 1.	Update code to reflect terminology in the adopted standard.	DIS	Except for a deck-mounted device <u>as provided in pars. (b) 2. and (0)</u> , a pipe applied an atmospheric-type vacuum breaker shall be installed such that the bottom of the device or the critical level mark on the device is at least 6" <u>inches</u> above all of the following: <u>[6/6/2019 clause in blue added by DIS]</u>	n/a	<i>Reviewed- See no issues with language change.</i>
51 a14.	382.41 (4) (b) 2.	Update code to reflect terminology in the adopted standard.	DIS	A deck-mounted pipe applied atmospheric type vacuum breaker shall be installed such that the bottom of the device or the critical level mark on the device is at least one inch above all of the following:	n/a	<i>Reviewed – See no issue with language clean up.</i>
51 a15.	382.41 (4) (k) 2.	Update code to reflect terminology in the adopted standard.	DIS	Repeal: A pressure vacuum breaker assembly shall be located only outside. <u>Create: Due to the probability of water discharge from the atmospheric air inlet valve, a pressure vacuum breaker assembly shall be installed in a location where the discharge does not cause damage.</u>	n/a	Ron <i>Reviewed I Agree with the 2019 language – more options for installation.</i>

51a15.a	382.41 (4) (o)	Accepting new standard	DIS	<p>o) A drainage type or electric design type trap seal primer shall be provided with high-hazard backflow protection compliant with this section and all of the following:</p> <ol style="list-style-type: none"> 1. Fixture trap or tailpiece trap seal primers shall consist of a 1½ inch (32 mm) or larger tailpiece or trap assembly that is designed to connect to a supply tube that drains to the floor drain trap inlet. 2. Ballcock trap seal primer shall be used in conjunction with anti-siphon fill valves complying with ASSE 1002. 3. Flushometer tailpiece/trap seal primers shall only be used in conjunction with a flushometer complying with ASSE 1037 and shall be installed below the critical level of the vacuum breaker. 		Ron <i>Reviewed – See no Issue with adding this paragraph.</i>																																																												
51a15.1	382.41 (5) 3.a.	Revise	PAC	<p>If a reduced pressure principle backflow preventer, or a reduced pressure detector backflow preventer, or a pressure vacuum breaker assembly is located within a building, a drain or receptor shall be provided to receive the discharge from the vent ports of the device. If a floor drain is to receive the discharge from the vent ports of a reduced pressure principle backflow preventer or a reduced pressure detector backflow preventer, the flow or pathway of the discharge may not create a nuisance.</p>		Ron <i>Reviewed – See no issues with language.</i>																																																												
51 a17.	Table 382.41-1	Revise Table (The titles in green are superseded or withdrawn and will be updated to match tables in SPS 381.)	DIS	<p style="text-align: center;">Table 382.41-1 Acceptable Cross Connection Control Methods, Devices, or Assemblies</p> <table border="1"> <thead> <tr> <th rowspan="4">Methods or Assemblies of Cross Connection Control (Standard)</th> <th colspan="8">Situations and Conditions</th> </tr> <tr> <th colspan="4">Backpressure</th> <th colspan="4">Backsiphonage</th> </tr> <tr> <th colspan="2">Low Hazard</th> <th colspan="2">High Hazard</th> <th colspan="2">Low Hazard</th> <th colspan="2">High Hazard</th> </tr> <tr> <th>Continu ous Pressure</th> <th>Noncon tinuous</th> <th>Continu ous Pressure</th> <th>Noncon tinuous</th> <th>Continuo us Pressure</th> <th>Noncon tinuous Pressure</th> <th>Conti uous</th> <th>Noncon tinuous</th> </tr> </thead> <tbody> <tr> <td>Air-gap Fittings for use with Plumbing Fixtures, Appliances, and Appurtenances (ASME A112.1.3)</td> <td></td> <td></td> <td></td> <td></td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> </tr> <tr> <td>Air Gaps (ASME A112.1.2)</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> </tr> <tr> <td>Atmospheric Vacuum Breaker (CAN/CSA B64.1.1)</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>X</td> <td></td> <td>X</td> </tr> </tbody> </table>	Methods or Assemblies of Cross Connection Control (Standard)	Situations and Conditions								Backpressure				Backsiphonage				Low Hazard		High Hazard		Low Hazard		High Hazard		Continu ous Pressure	Noncon tinuous	Continu ous Pressure	Noncon tinuous	Continuo us Pressure	Noncon tinuous Pressure	Conti uous	Noncon tinuous	Air-gap Fittings for use with Plumbing Fixtures, Appliances, and Appurtenances (ASME A112.1.3)					X	X	X	X	Air Gaps (ASME A112.1.2)	X	X	X	X	X	X	X	X	Atmospheric Vacuum Breaker (CAN/CSA B64.1.1)						X		X		Ron
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				Backflow Preventers with an Intermediate Atmospheric Vent (ASSE 1012)	X	X			X	X			
				Barometric Loops					X	X	X	X	
				Double Check Backflow Prevention Assemblies and Double Check Fire Protection Backflow Prevention Assemblies (ASSE 1015)	X	X			X	X			
				Dual Check Valve Type with Atmospheric Port Backflow Preventer (CAN/CSA B64.3)	X	X			X	X			
				Hose Connection Backflow Preventers (ASSE 1052)	X ^a	X	X ^a	X	X ^a	X	X ^a	X	
				Hose Connection Vacuum Breakers (CAN/CSA B64.2 and B64.2.2)	X ^a	X	X ^a	X	X ^a	X	X ^a	X	
				Hose Connection Vacuum Breakers (ASSE 1011)	X ^a	X	X ^a	X	X ^a	X	X ^a	X	
				Pipe Applied Atmospheric Type Vacuum Breakers (ASSE 1001)						X		X	
				Pressure Vacuum Breaker Assembly (ASSE 1020)					X	X	X	X	
				Reduced Pressure Principle Backflow Preventers And	X	X	X	X	X	X	X	X	

X = DIS to check and verify standard ASSE 1015

Ron
Based on research the ASSE 1015 standard meets low hazard for back siphonage.

				<p>and Reduced Pressure Principle Fire Protection Principle Backflow Preventers (ASSE 1013)</p> <table border="1"> <tr> <td>Reduced Pressure Principle Backflow Preventer (CAN/CSA B64.4)</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> </tr> <tr> <td>Spill Resistant Vacuum Breaker (ASSE 1056 and CAN/CSA B64.1.3)</td> <td></td> <td></td> <td></td> <td></td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> </tr> <tr> <td>Vacuum Breaker (CAN/CSA B64.1.2)</td> <td></td> <td></td> <td></td> <td></td> <td>X</td> <td>X</td> <td>X</td> <td>X</td> </tr> </table> <p>^a See limitation listed under s. SPS 382.41 (4) (c) 1. a.</p>	Reduced Pressure Principle Backflow Preventer (CAN/CSA B64.4)	X	X	X	X	X	X	X	X	Spill Resistant Vacuum Breaker (ASSE 1056 and CAN/CSA B64.1.3)					X	X	X	X	Vacuum Breaker (CAN/CSA B64.1.2)					X	X	X	X		
Reduced Pressure Principle Backflow Preventer (CAN/CSA B64.4)	X	X	X	X	X	X	X	X																									
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Vacuum Breaker (CAN/CSA B64.1.2)					X	X	X	X																									
51 a18.	Table 382.41-2 (left-side column)	Revise/add to table	DIS, amended by PAC	<p align="center">Table 382.41-2 Acceptable Cross Connection Control Methods, Devices or Assemblies for Specific Applications</p> <table border="1"> <tr> <th align="center">Methods or Assemblies (Standard)</th> </tr> <tr> <td><u>Water Closet Flush Tank Ball Cocks (ASSE 1002)</u> Anti-siphon fill valves for water closet tanks (ASSE 1002)</td> </tr> <tr> <td><u>Commercial Dishwashing Machines (ASSE 1004)^a</u></td> </tr> <tr> <td><u>Trap Seal Primer – Drainage Types and Electric Design Types (ASSE 1044)</u></td> </tr> <tr> <td>Wall Hydrants, Frost Proof Automatic Draining Anti-Backflow Type (ASSE 1019), types A, B, or C</td> </tr> </table> <p>^a ASSE 1004 allows any of the following standards ASSE 1001, ASSE 1011, ASSE 1020, ASSE 1052, or ASSE 1056</p>	Methods or Assemblies (Standard)	<u>Water Closet Flush Tank Ball Cocks (ASSE 1002)</u> Anti-siphon fill valves for water closet tanks (ASSE 1002)	<u>Commercial Dishwashing Machines (ASSE 1004)^a</u>	<u>Trap Seal Primer – Drainage Types and Electric Design Types (ASSE 1044)</u>	Wall Hydrants, Frost Proof Automatic Draining Anti-Backflow Type (ASSE 1019), types A, B , or C		Ron Reviewed – No issues with updating the chart.																						
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51 a19.	382.41 (3) (b) 5. c.	Revise	DIS	<p>Connecting individual residential-type automatic clothes washers <u>or dryers</u>.</p> <p align="center">OR</p> <p>Connecting individual residential automatic clothes washers <u>home laundry equipment</u>.</p> <p align="center">OR</p> <p>Connecting individual residential automatic clothes washers.</p>		Ron Reviewed – No issues to add to the code.																											

51 a20.	382.41 (3) (b) 6. b.	Repeal (b) 6. b. and incorporate 6. note into code language.	DIS	(b) 6. b. Except as provided in subd. 7., a low hazard situation shall be considered to exist for the connection of a piping system, including but not limited to automatic fire sprinkler systems, standpipe systems, and processing purposes, which provides potable water for nonrequired potable water uses. (b) 6. Note <u>bm</u> . Cross connection control devices used in conjunction with automatic fire sprinkler systems are to <u>shall</u> be listed by an acceptable testing agency for such an application under the standards governing the design and installation of automatic fire sprinkler systems.		Ron <i>Reviewed Would like to discuss as a group. Reference 51 a11.</i>
51 a21.	382.41 (4) (g) 2.	Repeal	DIS	A double check backflow prevention assembly and a double check detector assembly backflow preventer which serve a water-based fire protection system may have a test outlet located between the number 2 check valve and the number 2 listed indicating control valve.		Ron <i>Reviewed – No issues to remove. No reason for being in the code.</i>
51 a22.	382.41 (5) (f)	Revise	DIS	The installation of a reduced pressure principle backflow preventer, a reduced pressure <u>principle</u> fire protection principle backflow preventer, a reduced pressure detector backflow preventer , a reduced pressure detector fire protection backflow prevention assembly, a double check backflow prevention assembly, <u>a double check fire protection backflow prevention assembly</u> , a double check detector <u>fire protection backflow prevention</u> assembly backflow preventer , a pressure vacuum breaker assembly, <u>and</u> a spill resistant vacuum beaker shall conform to all of the following limitations:		Ron <i>Reviewed – No issues with language clean up.</i>
52.	382.50 (3) (b) <u>9</u> . (See also #53 & Tabled at 01/21/2021 Meeting.	Goal is to minimize/prevent stagnation of water. (See related #53, 57b, 57c)	DIS, amended by PAC	Create 382.50(3) (b) 9. and 382.40 (8) (i) 5. <u>9. Dead ends within the water distribution systems cannot exceed 6 pipe diameters.</u> Amend 381.01 (68) definition for “dead end” and create <u>2</u> . 1.a branch leading to...(no amendment to 1.) <u>2. Any portion of the water distribution system terminating by means of a plug, cap, or closed fitting and with no outlet.</u>	Major - Long-term benefit	Tabled at 01/21/2021 Meeting. Bruce

54.	382.50 (3) (b) 4.	(See related: #54a.)	DHS to DIS, amended by PAC	<p>Amend 382.50 (3) (b) 4.</p> <p>a.4. A hot water distribution system shall be under constant recirculation to provide continuous hot water at each hot water outlet, except that uncirculated hot water distribution piping may not exceed 25 feet in developed length.</p> <p><u>b-a. A hot water distribution system using thermal disinfection for disinfection shall be under constant recirculation to provide continuous hot water at each hot water outlet, except that uncirculated hot water distribution piping may not exceed 3 feet in developed length.</u></p>		<p>Bruce</p> <p>Discussion: Do we need code language requiring a documented properly balanced hot water distribution system in healthcare? In all public buildings?</p>
56.	382.50 (3) (b) 6.	<p>Codifying current practice.</p> <p>Create note.</p> <p>Note to DPD: Repeal b., create bm. to e., and renumber c. to f.</p>	DIS, amended by PAC	<p>6. Hot water distribution systems <u>may not include a heat recovery system and</u> shall be installed and maintained to provide bacterial control <u>disinfection</u> by one of the following methods:</p> <p>a. Water stored and circulation initiated at a minimum of 140°F and with a return of a minimum of 124°F.</p> <p>b. Water chlorinated at 2 mg/L residual.</p> <p>Note: Additional information may be contained in ASHRAE Guideline 12-2000, Minimizing the Risk of Legionellosis Associated with Building Water Systems. This standard is published by the American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE); 1791 Tullie Circle, N.E., Atlanta, GA 30329, phone: (800) 5-ASHRAE or (404) 636-8400 ext. 507; fax: (404) 321-5478; e-mail: orders@ashrae.org; or online at www.ashrae.org.</p> <p>e. f. Another disinfection system <u>method</u> approved by the department.</p> <p>Note: See explanatory information for further information.</p> <p>- Click HERE to review plumbing related guidance documents posted on DSPS website.</p>	Significant impact - added expense	BRUCE

56a.	382.50 (3) (b) 6. <u>bm. to e- f.</u>	Create <u>bm. to e- f.</u> (See related: #56)		<p><u>bm. Chloride dioxide.</u> <u>d. 0.5 Chlorine</u> <u>e. Chloramine.</u> <u>e- f.</u> Another disinfection system approved by the department Or utilizing disinfectant provided by the municipality</p> <p>Discussion: Other methods being considered and may be added when approved. (Ozone, ultra-filtration)</p>		BRUCE
57b.	382.50 (3) (b) <u>11.</u>	Create <u>11.</u> (See related: #52, 53, 57c)	DIS	<u>11. Hot water disinfectant distribution piping shall be labeled with the disinfection measure when other than thermal disinfection is used.</u>	Minimal	BRUCE
58.	382.41 (5) (d) 1.	Alternate standard. Creation of “b” is an exception to existing code.		<p>a- 1. A cross connection control device <u>or cross connection control assembly</u> may not be located in uninhabitable spaces susceptible to flooding.</p> <p>b- <u>1m.</u> A cross connection control device <u>or cross connection control assembly</u> that does <u>not incorporate a vent port may be installed in an uninhabited location susceptible to flooding.</u></p>	Less restrictive.	Tony Proposed definition amendment 381.01 (65m)
58a.	382.60 (2)	Venting	DIS	<p>382.60 (2) INSTALLATION. (a) Piping hangers and anchors shall be securely attached to the building’s structure at intervals to support the piping and its contents, but not at intervals greater than those specified in Table 382.60, <u>except PVC used for venting may have a maximum horizontal spacing of 5 feet.</u> The connection of drain piping to a fixture or appliance shall be considered a point of support.</p> <p>5/30/18 – Discussion of incident where J-hooks weren’t spaced every 4’ and failed/broke when full of water. Hangers used should anticipate contents and load as specified in rule.</p>		Tony Hangers used should anticipate contents and load as specified in rule.

59.	382.70 (4)	Alternate standard. Infiltration is covered within 382.365	DIS	Table 382.70-1 Number 8: Subsurface infiltration and irrigation, using reuse as the source ^c		Bruce Discussion: SPS 382.70 is total performance-based provision.
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SPS 381-384						
NO.	RULE PROVISION	ISSUE/REASON FOR CHANGE	PROPOSED BY	EXISTING LANGUAGE AND PROPOSED CHANGE	POTENTIAL IMPACT/COST	COMMENTS/STATUS
115	381.01(74)		DIS	381.01 (74) <u>“Disinfection” means the process of killing or inactivating microorganisms, particularly pathogens.</u> <u>(74a)</u> “Disinfection unit” means a type of POWTS treatment component, excluding a soil-based POWTS treatment component, that utilizes a chemical or photoelectric process to reduce the wastewater fecal coliform contaminant load.		Glen

COMMITTEE MEMBER ITEMS FOR CONSIDERATION

NO.	RULE PROVISION	ISSUE/REAS ON FOR CHANGE	PROPOSED BY	EXISTING LANGUAGE AND PROPOSED CHANGE	POTENTIAL IMPACT/COST	COMMENTS/STATUS
3.	382.20	Plan Review		<p>(8) REVISIONS. All changes or modifications, which involve <u>involving</u> the provisions of chs. SPS 382 to 384, made to plumbing plans and specifications, which that have been granted approval under sub. (1), shall be submitted to the department or agent municipality for examination. All changes and modifications shall be approved in writing by the department or agent municipality prior to installation of the plumbing, <u>except as provided in pars. (a) to (c).</u></p> <p><u>(a) 1. The building owner and master plumbing in charge shall assume all risk and liability for proceeding with construction or installation based on changes or modifications to plans that have not been approved in writing by the department or agent municipality.</u></p> <p><u>2. Work performed under par. (a) 1. is done without assurance the change or modification will be approved by the department or agent municipality.</u></p> <p><u>(b) Revisions to the approved plan must be submitted to, reviewed, and approved by the department or agent municipality within 30 days of owner occupancy.</u></p> <p><u>(c) A building owner and master plumber in charge shall be held responsible for any changes required after the revised plans have been reviewed and shall remove or replace any plumbing installation that is does not comply with code.</u></p>	None	<p>1</p> <p>Tony</p> <p>Tabled at 02/24/2021 Meeting.</p>