



**VIRTUAL/TELECONFERENCE
PLUMBING CODE ADVISORY COMMITTEE MEETING
Virtual, 4822 Madison Yards Way, Madison
Contact: Brad Wojciechowski (608) 266-2112
January 31, 2025**

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

9:00 A.M.

OPEN SESSION – CALL TO ORDER – ROLL CALL

- A. Adoption of Agenda (1-2)**
- B. Approval of Minutes for October 7, 2024 (3-4)**
- C. Reminders: Scheduling Concerns**
- D. Introductions, Announcements and Recognition**
- E. Administrative Matters – Discussion and Consideration (5-8)**
 - 1) Department, Staff and Committee Updates
 - 2) **2025 Meeting Dates (5)**
 - 3) **Annual Policy Review (6-7)**
 - 4) **Election of Officers (8)**
 - 5) Committee Members
 - a. Gardner, Fred P.
 - b. Kiedrowski, Joseph T.
 - c. Kressin, Justin T.
 - d. Lorge, Randy R.
 - e. Musolff, Roger M.
 - f. Sladky, Jason J.
 - g. Statz, Spencer M.
- F. Legislative and Policy Matters – Discussion and Consideration**
- G. Administrative Rule Matters – Discussion and Consideration (9-16)**
 - 1) Proposed updates to SPS Rules relating to Plumbing Code
 - 2) Pending or possible rulemaking items
- H. Public Agenda Request: IAPMO – Water Demand Calculator – Discussion and Consideration (17)**
- I. Discussion and Consideration of Items Added After Preparation of Agenda**

- 1) Introductions, Announcements and Recognition
- 2) Administrative Matters
- 3) Election of Officers
- 4) Appointment of Liaisons and Alternates
- 5) Delegation of Authorities
- 6) Education and Examination Matters
- 7) Credentialing Matters
- 8) Legislative and Policy Matters
- 9) Administrative Rule Matters
- 10) Council Liaison Training and Appointment of Mentors
- 11) Informational Items
- 12) Division of Legal Services and Compliance (DLSC) Matters
- 13) Motions
- 14) Petitions
- 15) Appearances from Requests Received or Renewed

J. Public Comments

ADJOURNMENT

NEXT MEETING: FEBRUARY 28, 2025

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 virtually unless otherwise indicated. In-person meetings are typically conducted at 4822 Madison Yards Way, Madison, Wisconsin, unless an alternative location is listed on the meeting notice. In order to confirm a meeting or to request a complete copy of the board's agenda, please visit the Department website at <https://dsps.wi.gov>. The board may also consider materials or items filed after the transmission of this notice. Times listed for the commencement of any agenda item may be changed by the board for the convenience of the parties. The person credentialed by the board has the right to demand that the meeting at which final action may be taken against the credential be held in open session. Requests for interpreters for the hard of hearing, or other accommodations, are considered upon request by contacting the Affirmative Action Officer or reach the Meeting Staff by calling 608-267-7213.

**VIRTUAL/TELECONFERENCE
PLUMBING CODE ADVISORY COMMITTEE MEETING
MEETING MINUTES
OCTOBER 7, 2024**

PRESENT: Fred Gardner, Joseph Kiedrowski, Justin Kressin, Roger Musolff (*arrived at 10:05 a.m.*), Jason Sladky, Spencer Statz

ABSENT: Randy Lorge

STAFF: Brad Wojciechowski, Executive Director; Joseph Ricker, Legal Counsel; Jake Pelegrin, Administrative Rule Coordinator; Ashley Sarnosky, Board Administrative Specialist; Garry Krause, Bureau Director; Michael McNally, Chief, Integrated Services Section; Ryan Boebel, Plumbing Plan Reviewer; and other Department Staff

CALL TO ORDER

Jason Sladky, Chairperson, called the meeting to order at 10:02 a.m. A quorum was confirmed with five (5) members present.

Roger Musolff arrived at 10:05 a.m.

ADOPTION OF AGENDA

MOTION: Joeseph Kiedrowski moved, seconded by Fred Gardner, to adopt the Agenda as published. Motion carried unanimously.

APPROVAL OF MINUTES AUGUST 20, 2024

MOTION: Spencer Statz moved, seconded by Jason Sladky, to approve the Minutes from August 20, 2024, as published. Motion carried unanimously.

ADMINISTRATIVE RULE MATTERS

Proposed updates to SPS Rules relating to Plumbing Code

MOTION: Joseph Kiedrowski moved, seconded by Roger Musolff, to approve item numbers
2a, 381.01 (116),
2b, 381.01 (117m),
3, 381.20-12,
6a, 382.31 (17m),
6b, 382.31 (17m) (f),
7a, 382.32 (4) (b) 1,
7b, 382.32 (4) (b) 1.a,
7c, 382.32 (4) (b) 1.b,
7e, 382.32 (4) (b) 1.e,
8a, 382.33 (7) (a) 3,
8b, 382.33 (9) (fm),
10, 382.35 (3) (k),

11a, 382.36 (7) (e),
12a, 382.40 (5) (a),
12b, 382.40 (5) (am),
14a, 382.40 (7),
14b, 382.40 (7) Note [1],
14c, 382.40 (7) Note [2],
14e, 382.40 (7) (e),
15b, 382.40 (8) (d) 3,
15c, 382.40 (8) (d) 3. a,
15d, 382.40 (8) (d) 3.b,
15e, 382.40 (8) (i) 3,
16, 382.50 (3) (b) 10,
18a, 384.20 (5) (d),
18b, 384.20 (5) (f) 1,
19, 384.30 (3) (e) 3,
20, 384.40 (9) (a), as presented in the October 7, 2024, meeting agenda materials. Motion carried unanimously.

MOTION: Fred Gardner moved, seconded by Justin Kressin, to table item numbers 4, 382.20 (4) (d) 1.a, 7d, 382.32 (4) (b) 1.d, 8c, 382.33 (9) (g) 1, 11b, 382.36 (8) (b) 3, 13a, 382.40 (6) (c), 13b, 382.40 (6) (d), 14d, 382.40 (7) (c), 15a, 382.40 (8) (b) 10, 17, 384.11, as presented in the October 7, 2024, meeting agenda materials for discussion at future meetings. Motion carried unanimously.

ADJOURNMENT

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

The meeting adjourned at 12:43 p.m.

PLUMBING CODE ADVISORY COMMITTEE
2025 Meeting Dates

Meeting Date	Start time	Location	Agenda Item Deadline
Friday, January 31, 2025	9:00 AM	Virtual	1/21/25
Friday, February 28, 2025	9:00 AM	Virtual	2/18/25
Friday, April 4, 2025	9:00 AM	Virtual	3/25/25
Friday, May 16, 2025	9:00 AM	Virtual	5/6/25
Friday, June 20, 2025	9:00 AM	Virtual	6/10/25
Friday, July 18, 2025	9:00 AM	Virtual	7/8/25
Friday, August 22, 2025	9:00 AM	Virtual	8/12/25
Friday, September 19, 2025	9:00 AM	Virtual	9/9/25
Friday, October 10, 2025	9:00 AM	Virtual	9/30/25

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

AGENDA REQUEST FORM

1) Name and title of person submitting the request: Brenda Taylor, Board Services Supervisor		2) Date when request submitted: 12/1/2024	
3) Name of Board, Committee, Council, Sections: All Boards			
4) Meeting Date: First Meeting of 2025	5) Attachments: <input checked="" type="checkbox"/> Yes	6) How should the item be titled on the agenda page? Administrative Matters: Annual Policy Review	
7) Place Item in: <input checked="" type="checkbox"/> Open Session	8) Is an appearance before the Board being scheduled? <input checked="" type="checkbox"/> No	9) Name of Case Advisor(s), if applicable: N/A	
10) Describe the issue and action that should be addressed: <p>Please be advised of the following Policy Items:</p> <ol style="list-style-type: none"> 1. In-Person and Virtual Meetings: Depending on the frequency of scheduled meetings, discussion topics, and member availability, DSPS may host one or more in-person meetings. Virtual connection options are available for all board meetings. 2. Attendance/Quorum: Thank you for your service and commitment to meeting attendance. If you cannot attend a meeting or have scheduling conflicts impacting your attendance, please let us know as soon as possible. A quorum is required for Boards, Sections, and Councils to meet pursuant to Open Meetings Law. Connect to / arrive at meetings 10 minutes before posted start time to allow for audio/connection testing, and timely Call to Order and Roll Call. Virtual meetings include viewable onscreen materials and A/V (speaker/microphone/video) connections. 3. Walking Quorum: Board/Section/Council members must not collectively discuss the body's business outside a properly noticed meeting. If several members of a body do so, they could be violating the open meetings law. 4. Mandatory Training: All Board Members must complete Public Records and Ethics Training, annually. Register to set up an account in the Cornerstone LearnCenter online portal or Log in to an existing account. 5. Agenda Deadlines: Please communicate agenda topics to your Executive Director before the agenda submission deadline at 12:00 p.m., eight business days before a meeting. (Attachment: Timeline of a Meeting) 6. Travel Voucher Submissions: Please submit all Mileage Reimbursement claims for in-person meetings to DSPS within 30 days of the close of each month in which expenses are incurred. 7. Lodging Accommodations/Hotel Cancellation Policy: Lodging accommodations are available to eligible members for in-person meetings. Standard eligibility: the member must leave home before 6:00 a.m. to attend an in-person meeting by the scheduled start time. <ol style="list-style-type: none"> a. If a member cannot attend a meeting, they must cancel their reservation with the hotel within the applicable cancellation timeframe. b. If a meeting is changed to occur remotely, is canceled, or rescheduled, DSPS staff will cancel or modify reservations as appropriate. 8. Inclement Weather Policy: In inclement weather, the DSPS may change a meeting from an in-person venue to a virtual/teleconference only. 			
11) Authorization		12/02/2024	
<p>Directions for including supporting documents:</p> <ol style="list-style-type: none"> 1. This form should be saved with any other documents submitted to the Agenda Items folders. 2. Post Agenda Deadline items must be authorized by a Supervisor and the Policy Development Executive Director 			

Timeline of a Meeting

8 business days prior to the meeting: All agenda materials are due to the Department by 12:00 pm, 8 business days prior to the meeting date.

7 business days prior to the meeting: The draft agenda page is due to the Executive Director. The Executive Director transmits to the Chair for review and approval.

5 business days prior to the meeting: The approved agenda is returned to the Board Administration Specialist for agenda packet production and compilation.

4 business days prior to the meeting: Agenda packets are posted on the DSPS Board SharePoint site and on the Department website.

Agenda Item Examples:

- Approval of the Agenda and previous meeting Minutes
- Open Session Items
 - Public Hearings (relating to Administrative Rules)
 - Administrative Matters
 - Legislation and Policy Matters
 - Administrative Rules Matters
 - Credentialing Matters
 - Education and Exam Issues
 - Public Agenda Requests
 - Current Issues Affecting the Profession
 - Public Comments
- Closed Session items
 - Deliberations on Proposed Disciplinary Actions
 - Stipulations
 - Administrative Warnings
 - Case Closings
 - Monitoring Matters
 - Professional Assistance Procedure (PAP) Issues
 - Proposed Final Decisions and Orders
 - Orders Fixing Costs/Matters Relating to Costs
 - Credentialing Matters
 - Education and Exam Issues

Thursday of the Week Prior to the Meeting: Agendas are published for public notice on the Public Notices and Meeting Minutes website: publicmeetings.wi.gov.

1 business day after the Meeting: "Action" lists are distributed by staff detailing board actions on closed session business.

5 business days after the Meeting: "To Do" lists are distributed to staff to ensure that board decisions are acted on and/or implemented within the appropriate divisions in the Department. Minutes approved by the board are published on the the Public Notices and Meeting Minutes website: publicmeetings.wi.gov.

PLUMBING CODE ADVISORY COMMITTEE EXAMINING BOARD

2021 Officers

OFFICERS	
Chairperson	Jason Sladky
Vice Chairperson	Fred Gardner
Secretary	Joseph Kiedrowski

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

AGENDA REQUEST FORM

1) Name and title of person submitting the request: Jake Pelegrin Administrative Rules Coordinator		2) Date when request submitted: 1/21/25 Items will be considered late if submitted after 12:00 p.m. on the deadline date which is 8 business days before the meeting													
3) Name of Board, Committee, Council, Sections: Plumbing Code Advisory Council															
4) Meeting Date: 1/31/25	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 – Discussion and Consideration 1. Proposed updates to SPS Rules relating to Plumbing Code 2. Pending or possible rulemaking items													
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: N/A													
10) Describe the issue and action that should be addressed: Attachments: -Proposed updates to SPS Rules relating to Plumbing Code															
<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 30%; border-bottom: 1px solid black;">11) <i>Jake Pelegrin</i></td> <td style="width: 40%; border-bottom: 1px solid black; text-align: center;">Authorization</td> <td style="width: 30%; border-bottom: 1px solid black; text-align: right;">1/21/25</td> </tr> <tr> <td style="border-bottom: 1px solid black;">Signature of person making this request</td> <td style="border-bottom: 1px solid black;"></td> <td style="border-bottom: 1px solid black; text-align: right;">Date</td> </tr> <tr> <td style="border-bottom: 1px solid black;">Supervisor (if required)</td> <td style="border-bottom: 1px solid black;"></td> <td style="border-bottom: 1px solid black; text-align: right;">Date</td> </tr> <tr> <td colspan="2" style="border-bottom: 1px solid black;">Executive Director signature (indicates approval to add post agenda deadline item to agenda)</td> <td style="border-bottom: 1px solid black; text-align: right;">Date</td> </tr> </table>				11) <i>Jake Pelegrin</i>	Authorization	1/21/25	Signature of person making this request		Date	Supervisor (if required)		Date	Executive Director signature (indicates approval to add post agenda deadline item to agenda)		Date
11) <i>Jake Pelegrin</i>	Authorization	1/21/25													
Signature of person making this request		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.															

ITEM NO.	CODE/RULE PROVISION	ISSUE/REASON FOR CHANGE	EXISTING LANGUAGE AND PROPOSED CHANGES TO SPS	PROPOSED CODE LANGUAGE	COMMENTS & STATUS
21	SPS 381.01		<p>381.01 Definitions. In chs. SPS 381 to 387, except as otherwise specifically defined:</p> <p>...</p> <p>(8m) "Anti-siphon fill valve" means a valve that is used to supply water for flush tank refill and, where applicable, trap reseal. The device has an air gap, intergral mechanical backflow preventer, or vacuum breaker to prevent the backflow of water from the flush tank into the supply system. The device is operated by a float or similar activation method.</p> <p>...</p> <p>(22) "Ballcock" means a water supply valve opened or closed by means of a float or similar device used to supply water to a tank.</p> <p>...</p> <p>(65m) "Cross connection control assembly" means a mechanical backflow preventer used to prevent backflow into a water supply system that requires shut-off valves and a test cock or test cocks to meet any specific standard, such as a reduced pressure principle backflow preventer prevention assembly, a double check backflow preventer prevention assembly, a pressure vacuum breaker assembly, or a spill resistant vacuum breaker assembly.</p> <p>...</p> <p>(80) "Double check detector fire protection backflow preventer-assembly prevention assembly" means an assembly serving a fire protection system and consisting of 2 independently acting check valves, internally forced loaded to a normally closed position, 2 tightly closing shut-off valves, and properly located test cocks which also includes a parallel flow meter to indicate leakage or unauthorized use of water downstream of the assembly.</p> <p>(80m) "Double check fire protection backflow prevention assembly" means an assembly serving a fire protection system and consisting of 2 independently acting check valves, internally force loaded to a normally closed position, 2 tightly closing shut-off valves, and properly located test cocks. The term "double check valve backflow preventer for fire protection systems" has the same meaning as double check fire protection backflow prevention assembly.</p> <p>...</p> <p>(203) "Reduced pressure detector fire protection backflow prevention assembly" means a type of reduced pressure principle type backflow preventer serving a fire protection system and prevention assembly which includes a parallel flow meter to indicate leakage or unauthorized use of water downstream of the assembly.</p> <p>(203m) "Reduced pressure fire protection principle backflow preventer" means an assembly serving a fire protection system and consisting of 2 independently acting check valves, internally force loaded to a normally closed position, and separated by an intermediate chamber or zone in which there is a hydraulically operated relief means of venting to atmosphere, internally force loaded to a normally open position. The term "reduced pressure principle backflow preventer for fire protection systems" has the same meaning as reduced pressure fire protection principle backflow preventer.</p> <p>(204) "Reduced pressure principle backflow preventer prevention assembly" means a cross connection control assembly consisting of 2 independently-acting check valves, internally force-loaded to a normally closed position and separated by an intermediate chamber or zone in which there is a hydraulically operated relief means for venting to atmosphere, internally force-loaded to a normally open position. These assemblies are designed to operate under continuous pressure conditions. The assembly shall include 2 properly located, tightly closing shut-off valves and properly located test cocks.</p> <p>...</p> <p>(231m) "Spill resistant vacuum breaker assembly" means a cross connection control assembly consisting of one check valve force-loaded closed and an air inlet force loaded open to atmosphere located downstream of the check valve. The assembly also includes 2 tightly closing shut-off valves and 2 test cocks or a no. 1 test cock and a bleed valve.</p>	<p>381.01 Definitions. In chs. SPS 381 to 387, except as otherwise specifically defined:</p> <p>...</p> <p>(8m) "Anti-siphon fill valve" means a valve that is used to supply water for flush tank refill and, where applicable, trap reseal. The device has an air gap, intergral mechanical backflow preventer, or vacuum breaker to prevent the backflow of water from the flush tank into the supply system. The device is operated by a float or similar activation method.</p> <p>...</p> <p>(65m) "Cross connection control assembly" means a mechanical backflow preventer used to prevent backflow into a water supply system that requires shut-off valves and a test cock or test cocks to meet any specific standard, such as a reduced pressure principle backflow prevention assembly, a double check backflow prevention assembly, a pressure vacuum breaker assembly, or a spill resistant vacuum breaker assembly.</p> <p>...</p> <p>(80) "Double check detector backflow-prevention assembly" means an assembly consisting of 2 independently acting check valves, internally forced loaded to a normally closed position, 2 tightly closing shut-off valves, and properly located test cocks which also includes a parallel flow meter to indicate leakage or unauthorized use of water downstream of the assembly.</p> <p>...</p> <p>(203) "Reduced pressure detector backflow prevention assembly" means a type of reduced pressure principle type backflow prevention assembly which includes a parallel flow meter to indicate leakage or unauthorized use of water downstream of the assembly.</p> <p>(204) "Reduced pressure principle backflow prevention assembly" means a cross connection control assembly consisting of 2 independently-acting check valves, internally force-loaded to a normally closed position and separated by an intermediate chamber or zone in which there is a hydraulically operated relief means for venting to atmosphere, internally force-loaded to a normally open position. These assemblies are designed to operate under continuous pressure conditions. The assembly shall include 2 properly located, tightly closing shut-off valves and properly located test cocks.</p> <p>...</p> <p>(231m) "Spill resistant vacuum breaker assembly" means a cross connection control assembly consisting of one check valve force-loaded closed and an air inlet force loaded open to atmosphere located downstream of the check valve. The assembly also includes 2 tightly closing shut-off valves and 2 test cocks or a no. 1 test cock and a bleed valve.</p>	<p>A 'double check detector fire protection backflow preventer-assembly' no longer exists. The Department recommends modifying the definition to mean a 'double check detector backflow-prevention assembly.'</p> <p>Presented by: Ryan Boebel</p>
21a	N/A	New	<p>381.01(8m) "Anti-siphon fill valve" means a valve that is used to supply water for flush tank refill and, where applicable, trap reseal. The device has an air gap, intergral mechanical backflow preventer, or vacuum breaker to prevent the backflow of water from the flush tank into the supply system. The device is operated by a float or similar activation method.</p>	<p>381.01(8m) "Anti-siphon fill valve" means a valve that is used to supply water for flush tank refill and, where applicable, trap reseal. The device has an air gap, intergral mechanical backflow preventer, or vacuum breaker to prevent the backflow of water from the flush tank into the supply system. The device is operated by a float or similar activation method.</p>	
21b	SPS 381.01(22)	Delete	<p>381.01(22) "Ballcock" means a water supply valve opened or closed by means of a float or similar device used to supply water to a tank.</p>	<p>N/A (Code Language Removed)</p>	<p>The term "ballcock" is an obsolete term in the plumbing industry.</p> <p>Presented by: Ryan Boebel</p>
21c	381.01(65m)	Amend language	<p>381.01(65m) "Cross connection control assembly" means a mechanical backflow preventer used to prevent backflow into a water supply system that requires shut-off valves and a test cock or test cocks to meet any specific standard, such as a reduced pressure principle backflow preventer prevention assembly, a double check backflow preventer prevention assembly, a pressure vacuum breaker assembly, or a spill resistant vacuum breaker assembly.</p>	<p>381.01(65m) "Cross connection control assembly" means a mechanical backflow preventer used to prevent backflow into a water supply system that requires shut-off valves and a test cock or test cocks to meet any specific standard, such as a reduced pressure principle backflow prevention assembly, a double check backflow prevention assembly, a pressure vacuum breaker assembly, or a spill resistant vacuum breaker assembly.</p>	<p>The changes in this definition matches the titles of the ASSE standards.</p> <p>Presented by: Ryan Boebel</p>
21d	SPS 381.01 (80)	Amend language	<p>381.01(80) "Double check detector fire protection backflow preventer-assembly prevention assembly" means an assembly serving a fire protection system and consisting of 2 independently acting check valves, internally forced loaded to a normally closed position, 2 tightly closing shut-off valves, and properly located test cocks which also includes a parallel flow meter to indicate leakage or unauthorized use of water downstream of the assembly</p>	<p>381.01(80) "Double check detector backflow prevention assembly" means an assembly consisting of 2 independently acting check valves, internally forced loaded to a normally closed position, 2 tightly closing shut-off valves, and properly located test cocks which also includes a parallel flow meter to indicate leakage or unauthorized use of water downstream of the assembly.</p>	<p>A 'double check detector fire protection backflow preventer-assembly' no longer exists. The Department recommends modifying the definition to mean a 'double check detector backflow-prevention assembly.'</p> <p>Presented by: Ryan Boebel</p>
21e	SPS 381.01 (80m)	Delete - in entirety	<p>381.01(80m) "Double check fire protection backflow prevention assembly" means an assembly serving a fire protection system and consisting of 2 independently acting check valves, internally force loaded to a normally closed position, 2 tightly closing shut-off valves, and properly located test cocks. The term "double check valve backflow preventer for fire protection systems" has the same meaning as double check fire protection backflow prevention assembly.</p>	<p>N/A (Code Language Removed)</p>	<p>A 'double check fire prevention backflow prevention assembly' no longer exists. The Department recommends removing the definition of a 'double check fire protection backflow prevention assembly.'</p> <p>Presented by: Ryan Boebel</p>
21f	SPS 381.01 (203)	Amend language	<p>381.01(203) "Reduced pressure detector fire protection backflow prevention assembly" means a type of reduced pressure principle type backflow preventer serving a fire protection system and prevention assembly which includes a parallel flow meter to indicate leakage or unauthorized use of water downstream of the assembly.</p>	<p>381.01(203) "Reduced pressure detector backflow prevention assembly" means a type of reduced pressure principle type backflow prevention assembly which includes a parallel flow meter to indicate leakage or unauthorized use of water downstream of the assembly.</p>	<p>A 'reduced pressure fire protection principle backflow prevention assembly' no longer exists. The Department recommends modifying the definition to mean a 'reduced pressure detector backflow prevention assembly.'</p> <p>Presented by: Ryan Boebel</p>
21g	SPS 381.01 (203m)	Delete - in entirety	<p>381.01(203m) "Reduced pressure fire protection principle backflow preventer" means an assembly serving a fire protection system and consisting of 2 independently acting check valves, internally force loaded to a normally closed position, and separated by an intermediate chamber or zone in which there is a hydraulically operated relief means of venting to atmosphere, internally force loaded to a normally open position. The term "reduced pressure principle backflow preventer for fire protection systems" has the same meaning as reduced pressure fire protection principle backflow preventer.</p>	<p>N/A (Code Language Removed)</p>	<p>A 'reduced pressure fire protection principle backflow preventer' no longer exists. The Department recommends removing the definition of a 'reduced pressure fire protection principle backflow preventer.'</p> <p>Presented by: Ryan Boebel</p>
21h	381.01(204)	Amend language	<p>381.01(204) "Reduced pressure principle backflow preventer prevention assembly" means a cross connection control assembly consisting of 2 independently-acting check valves, internally force-loaded to a normally closed position and separated by an intermediate chamber or zone in which there is a hydraulically operated relief means for venting to atmosphere, internally force-loaded to a normally open position. These assemblies are designed to operate under continuous pressure conditions. The assembly shall include 2 properly located, tightly closing shut-off valves and properly located test cocks.</p>	<p>381.01(204) "Reduced pressure principle backflow prevention assembly" means a cross connection control assembly consisting of 2 independently-acting check valves, internally force-loaded to a normally closed position and separated by an intermediate chamber or zone in which there is a hydraulically operated relief means for venting to atmosphere, internally force-loaded to a normally open position. These assemblies are designed to operate under continuous pressure conditions. The assembly shall include 2 properly located, tightly closing shut-off valves and properly located test cocks.</p>	<p>The changes in this definition matches the title of the ASSE standard.</p> <p>Presented by: Ryan Boebel</p>
21i	381.01(231m)	Amend language	<p>381.01(231m) "Spill resistant vacuum breaker assembly" means a cross connection control assembly consisting of one check valve force-loaded closed and an air inlet force loaded open to atmosphere located downstream of the check valve. The assembly also includes 2 tightly closing shut-off valves and 2 test cocks or a no. 1 test cock and a bleed valve.</p>	<p>381.01(231m) "Spill resistant vacuum breaker assembly" means a cross connection control assembly consisting of one check valve force-loaded closed and an air inlet force loaded open to atmosphere located downstream of the check valve. The assembly also includes 2 tightly closing shut-off valves and 2 test cocks or a no. 1 test cock and a bleed valve.</p>	<p>The changes in this definition matches the title of the ASSE standard.</p> <p>Presented by: Ryan Boebel</p>

22	SPS Table 381.20-4	Amend - in part	<i>See Exhibit A Item No. X</i>	<i>See Exhibit A Item No. X</i>	The following changes affect Table 381.20-4: - ASSE 1006, 1007, and 1009 have been designated as 'INACTIVE' by ASSE. These documents are out-of-date for some reason and yet still needs to be used "for replacement purposes only." So the document remains valid and yet is not recommended for new design. - ASSE 1013, 1015, 1047 and 1048 had their titles changed to match the title of each standard. - ASSE 1018 has been updated from the 2021 version to the 2023 version. - Line No. 7 had one extra 'dash' in the Standard Reference Number. Presented by: Ryan Boebel
23	382.20(1)(c)	Amend language	382.20 Plan review and cross connection control assembly registration. (1) GENERAL. Plans and specifications shall be submitted to the department or to an approved agent municipality for review in accordance with pars. (a) and (b). ... (c) Cross connection control assembly registration. The installation of each reduced pressure principle backflow prevention assembly , reduced pressure detector backflow prevention assembly , spill resistant vacuum breaker assembly , double check backflow prevention assembly, double check detector backflow prevention assembly or pressure vacuum breaker assembly shall be registered with the department no later than 7 days after installation of the assembly.	382.20 Plan review and cross connection control assembly registration. (1) GENERAL. Plans and specifications shall be submitted to the department or to an approved agent municipality for review in accordance with pars. (a) and (b). ... (c) Cross connection control assembly registration. The installation of each reduced pressure principle backflow prevention assembly, reduced pressure detector backflow prevention assembly, spill resistant vacuum breaker assembly, double check backflow prevention assembly, double check detector backflow prevention assembly or pressure vacuum breaker assembly shall be registered with the department no later than 7 days after installation of the assembly.	The changes in this definition matches the titles of the ASSE standards. In addition, there are added cross connection control assemblies added, such as reduced pressure detector assembly, double check prevention assembly, and double check detector backflow prevention assembly. Presented by: Ryan Boebel
24	Table 382.20-1	Amend - in part	Table 382.20-1 Submittals to Department (Partial) Types of Plumbing Installation 5. Reduced pressure principle backflow prevention assemblies , reduced pressure detector backflow prevention assemblies , double check backflow prevention assemblies, double check detector backflow prevention assemblies , pressure vacuum breaker assemblies, and spill resistant vacuum breakers breaker assemblies serving health care facilities.	Table 382.20-1 Submittals to Department (Partial) Types of Plumbing Installation 5. Reduced pressure principle backflow prevention assemblies, reduced pressure detector backflow prevention assemblies, double check backflow prevention assemblies, double check detector backflow prevention assemblies, pressure vacuum breaker assemblies, and spill resistant vacuum breaker assemblies serving health care facilities.	The changes in this code section matches the titles of the ASSE standards. Presented by: Ryan Boebel
25	382.21(13)(e)	Amend language	382.20 Plan review and cross connection control assembly registration. ... (13) CROSS CONNECTION CONTROL ASSEMBLY REGISTRATION. ... (e) Upon permanent removal or replacement of any reduced pressure principle backflow prevention assembly , reduced pressure detector backflow prevention assembly , double check backflow prevention assembly, double check detector backflow prevention assembly , spill resistant vacuum breaker assembly or pressure vacuum breaker assembly , the owner shall notify the department in writing using a format acceptable to the department.	382.20 Plan review and cross connection control assembly registration. ... (13) CROSS CONNECTION CONTROL ASSEMBLY REGISTRATION. ... (e) Upon permanent removal or replacement of any reduced pressure principle backflow prevention assembly, reduced pressure detector backflow prevention assembly, double check backflow prevention assembly, double check detector backflow prevention assembly, spill resistant vacuum breaker assembly or pressure vacuum breaker assembly, the owner shall notify the department in writing using a format acceptable to the department.	The changes in this code section matches the titles of the ASSE standards. Presented by: Ryan Boebel
26	SPS Table 382.22-1	Repealed and recreated	<i>See Exhibit B Item No. X</i>	<i>See Exhibit B Item No. X</i>	Table 382.22-1 had various ASSE standards for which the title of the standards have been updated. The Department recommends the repeal of Table 382.22-1 and replace with a new Table 382.22-1. Presented by: Ryan Boebel
27	382.40(3)(d)4.	Amend language	382.40 Water supply systems. (3) GENERAL. ... (d) Identification ... 4. The installation of each reduced pressure principle backflow prevention assembly , reduced pressure detector backflow prevention assembly , double check backflow prevention assembly, double check detector backflow prevention assembly , spill resistant vacuum breaker assembly and pressure vacuum breaker assembly shall display a department assigned identification number.	382.40 Water supply systems. (3) GENERAL. ... (d) Identification ... 4. The installation of each reduced pressure principle backflow prevention assembly, reduced pressure detector backflow prevention assembly, double check backflow prevention assembly, double check detector backflow prevention assembly, spill resistant vacuum breaker assembly and pressure vacuum breaker assembly shall display a department assigned identification number.	The changes in this code section matches the titles of the ASSE standards. Presented by: Ryan Boebel
28	SPS 382.41(3)		382.41 Cross connection control. ... (3) General requirements. Water supply systems and the connection of each plumbing fixture, piece of equipment, appliance or nonpotable water piping system shall be designed, installed and maintained in such a manner to prevent the contamination of water supplies by means of cross connections. (a) Types of cross connection control. 1. Water supply systems shall be protected against contamination due to cross connections or backflow conditions by one of the methods or devices , or assemblies specified in Table 382.41-1 depending upon the situation or Table 382.41-2 depending upon the specific application or use , and the limitations specified in sub. (4). ... (c) Containment. 1. For sewerage treatment facilities which are required to conform with ch. NR 110, in addition to the cross connection control required for each potable water usage or water outlet, a reduced pressure principle backflow prevention assembly or a reduced pressure detector backflow prevention assembly shall be installed: ... 2. For marinas, wharves and docks where potable water outlets are provided to serve boats or ships, in addition to the cross connection control required for each potable water outlet or usage, a reduced pressure principle backflow prevention assembly or a reduced pressure detector backflow prevention assembly shall be installed in the water supply system to limit backflow into the water supply source.	382.41 Cross connection control. ... (3) General requirements. Water supply systems and the connection of each plumbing fixture, piece of equipment, appliance or nonpotable water piping system shall be designed, installed and maintained in such a manner to prevent the contamination of water supplies by means of cross connections. (a) Types of cross connection control. 1. Water supply systems shall be protected against contamination due to cross connections or backflow conditions by one of the methods, devices, or assemblies specified in Table 382.41-1 depending upon the situation and the limitations specified in sub. (4). ... (c) Containment. 1. For sewerage treatment facilities which are required to conform with ch. NR 110, in addition to the cross connection control required for each potable water usage or water outlet, a reduced pressure principle backflow prevention assembly or a reduced pressure detector backflow prevention assembly shall be installed: ... 2. For marinas, wharves and docks where potable water outlets are provided to serve boats or ships, in addition to the cross connection control required for each potable water outlet or usage, a reduced pressure principle backflow prevention assembly or a reduced pressure detector backflow prevention assembly shall be installed in the water supply system to limit backflow into the water supply source.	
28a	SPS 382.41 (3) (a) 1.	Amend language	382.41(3)(a)1. Water supply systems shall be protected against contamination due to cross connections or backflow conditions by one of the methods or devices , or assemblies specified in Table 382.41-1 depending upon the situation or Table 382.41-2 depending upon the specific application or use , and the limitations specified in sub. (4).	382.41(3)(a)1. Water supply systems shall be protected against contamination due to cross connections or backflow conditions by one of the methods, devices, or assemblies specified in Table 382.41-1 depending upon the situation and the limitations specified in sub. (4).	Table 382.41-2 has been removed from the plumbing code. The Department recommends removing references to Table 382.41-2. In addition, SPS 382.41 93) (a) 1. only references 'methods or devices' listed in Table 382.41-1. The reference shall include 'assemblies' as well. The Department recommends adding 'assemblies' to 'methods or devices' when referring to Table 382.41-1. Presented by: Ryan Boebel
28b	382.41(3)(c)1.	Amend language	382.41(3)(c)1. For sewerage treatment facilities which are required to conform with ch. NR 110, in addition to the cross connection control required for each potable water usage or water outlet, a reduced pressure principle backflow prevention assembly or a reduced pressure detector backflow prevention assembly shall be installed:	382.41(3)(c)1. For sewerage treatment facilities which are required to conform with ch. NR 110, in addition to the cross connection control required for each potable water usage or water outlet, a reduced pressure principle backflow prevention assembly or a reduced pressure detector backflow prevention assembly shall be installed:	The changes in this code section matches the titles of the ASSE standards. Presented by: Ryan Boebel
28c	382.41(3)(c)2.	Amend language	382.41(3)(c)2. For marinas, wharves and docks where potable water outlets are provided to serve boats or ships, in addition to the cross connection control required for each potable water outlet or usage, a reduced pressure principle backflow prevention assembly or a reduced pressure detector backflow prevention assembly shall be installed in the water supply system to limit backflow into the water supply source.	2. For marinas, wharves and docks where potable water outlets are provided to serve boats or ships, in addition to the cross connection control required for each potable water outlet or usage, a reduced pressure principle backflow prevention assembly or a reduced pressure detector backflow prevention assembly shall be installed in the water supply system to limit backflow into the water supply source.	The changes in this code section matches the titles of the ASSE standards. Presented by: Ryan Boebel
29	SPS Table 382.41-1	Repealed and recreated	<i>See Exhibit C Item No. 40</i>	<i>See Exhibit C Item No. 40</i>	Table 382.41-2 has been removed from the plumbing code. The Department recommends removing references to Table 382.41-2. In addition, SPS 382.41 93) (a) 1. only references 'methods or devices' listed in Table 382.41-1. The reference shall include 'assemblies' as well. The Department recommends adding 'assemblies' to 'methods or devices' when referring to Table 382.41-1. Presented by: Ryan Boebel

30	SPS 382.41 (4)		<p>382.41 Cross connection control. (4) Limitations. ... (d) A backflow preventer with <u>an</u> intermediate atmospheric vent: (e) 1. A reduced pressure principle backflow preventer prevention assembly and a reduced pressure detector backflow preventer prevention assembly may not be subjected to a backpressure greater than twice the rated working pressure of the device. 2. A reduced pressure principle backflow preventer prevention assembly and a reduced pressure detector backflow preventer prevention assembly 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. 3. A reduced pressure principle backflow preventer prevention assembly and a reduced pressure detector backflow preventer prevention assembly which are 2" or smaller in size and which serve a water-based fire protection system are not required to have a test cock on the number one listed indicating control valve. ... (g) 1. A double check backflow prevention assembly and a double check detector assembly backflow preventer prevention assembly may not be subjected to a backpressure greater than twice the manufacturer's maximum rated working pressure of the device. 3. A double check backflow prevention assembly and a double check detector assembly backflow preventer prevention assembly which are 2" or smaller in size and which serve a water-based fire protection system are not required to have a test cock on the number one listed indicating control valve. ... (k) A pressure type vacuum breaker assembly shall be installed such that the bottom of the device assembly or the critical level mark on the device assembly is at least 12" above all of the following: (n) A spill resistant vacuum breaker assembly shall be installed so that the bottom of the device assembly or the critical level mark on the device assembly is at least 12" above all of the following: (o) A water-fed trap seal primer shall be provided with high hazard backflow protection compliant with this section and all the following: 1. Fixture trap or tailpiece trap seal primers shall consist of a 1-1/4 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 or 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 if a vacuum breaker is used.</p>	<p>382.41 Cross connection control. (4) Limitations. ... (d) A backflow preventer with an intermediate atmospheric vent: (e) 1. A reduced pressure principle backflow prevention assembly and a reduced pressure detector backflow prevention assembly may not be subjected to a backpressure greater than twice the rated working pressure of the device. 2. A reduced pressure principle backflow prevention assembly and a reduced pressure detector backflow prevention assembly 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. 3. A reduced pressure principle backflow prevention assembly and a reduced pressure detector backflow prevention assembly which are 2" or smaller in size and which serve a water-based fire protection system are not required to have a test cock on the number one listed indicating control valve. ... (g) 1. A double check backflow prevention assembly and a double check detector backflow prevention assembly may not be subjected to a backpressure greater than twice the manufacturer's maximum rated working pressure. 3. A double check backflow prevention assembly and a double check detector backflow prevention assembly which are 2" or smaller in size and which serve a water-based fire protection system are not required to have a test cock on the number one listed indicating control valve. ... (k) A pressure vacuum breaker assembly shall be installed such that the bottom of the assembly or the critical level mark on the assembly is at least 12" above all of the following: ... (n) A spill resistant vacuum breaker assembly shall be installed so that the bottom of the assembly or the critical level mark on the assembly is at least 12" above all of the following:</p>	
30a	SPS 382.41 (4) (d)	Amend language	382.41(4)(d) A backflow preventer with <u>an</u> intermediate atmospheric vent:	382.41(4)(d) A backflow preventer with an intermediate atmospheric vent:	The change in this code section matches the title of the ASSE standard. Presented by: Ryan Boebel
30b	SPS 382.41 (4) (e) 1.	Amend language	382.41(4)(e)1. A reduced pressure principle backflow preventer prevention assembly and a reduced pressure detector backflow preventer prevention assembly may not be subjected to a backpressure greater than twice the rated working pressure of the device.	382.41(4)(e)1. A reduced pressure principle backflow prevention assembly and a reduced pressure detector backflow prevention assembly may not be subjected to a backpressure greater than twice the rated working pressure of the device.	The 2021 Version of ASSE 1013 uses the title 'Reduced Pressure Principle Backflow Prevention Assemblies.' Also, the 2021 Version of ASSE 1047 uses the title 'Reduced Pressure Detector Backflow Prevention Assemblies.' The Department recommends dropping the word 'preventor' and replacing the word with the words 'prevention assembly.' Presented by: Ryan Boebel
30c	SPS 382.41 (4) (e) 2.	Amend language	382.41(4)(e)2. A reduced pressure principle backflow preventer prevention assembly and a reduced pressure detector backflow preventer prevention assembly 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.	382.41(4)(e)2. A reduced pressure principle backflow prevention assembly and a reduced pressure detector backflow prevention assembly 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.	The 2021 Version of ASSE 1013 uses the title 'Reduced Pressure Principle Backflow Prevention Assemblies.' Also, the 2021 Version of ASSE 1047 uses the title 'Reduced Pressure Detector Backflow Prevention Assemblies.' The Department recommends dropping the word 'preventor' and replacing the word with the words 'prevention assembly.' Presented by: Ryan Boebel
30d	SPS 382.41 (4) (e) 3.	Amend language	382.41(4)(e)3. A reduced pressure principle backflow preventer prevention assembly and a reduced pressure detector backflow preventer prevention assembly which are 2" or smaller in size and which serve a water-based fire protection system are not required to have a test cock on the number one listed indicating control valve.	382.41(4)(e)3. A reduced pressure principle backflow prevention assembly and a reduced pressure detector backflow prevention assembly which are 2" or smaller in size and which serve a water-based fire protection system are not required to have a test cock on the number one listed indicating control valve.	The 2021 Version of ASSE 1013 uses the title 'Reduced Pressure Principle Backflow Prevention Assemblies.' Also, the 2021 Version of ASSE 1047 uses the title 'Reduced Pressure Detector Backflow Prevention Assemblies.' The Department recommends dropping the word 'preventor' and replacing the word with the words 'prevention assembly.' Presented by: Ryan Boebel
30e	SPS 382.41 (4) (g) 1.	Amend language	382.41(4)(g)1. A double check backflow prevention assembly and a double check detector assembly backflow preventer prevention assembly may not be subjected to a backpressure greater than twice the manufacturer's maximum rated working pressure of the device .	382.41(4)(g)1. A double check backflow prevention assembly and a double check detector backflow prevention assembly may not be subjected to a backpressure greater than twice the manufacturer's maximum rated working pressure.	The 2021 Version of ASSE 1015 uses the title 'Double Check Backflow Prevention Assemblies.' Also, the 2021 Version of ASSE 1048 uses the title 'Double Check Detector Backflow Prevention Assemblies.' The Department recommends dropping the word 'preventor' and replacing the word with the words 'prevention assembly.' Presented by: Ryan Boebel
30f	SPS 382.41 (4) (g) 3.	Amend language	382.41(4)(g)3. A double check backflow prevention assembly and a double check detector assembly backflow preventer prevention assembly which are 2" or smaller in size and which serve a water-based fire protection system are not required to have a test cock on the number one listed indicating control valve.	382.41(4)(g)3. A double check backflow prevention assembly and a double check detector backflow prevention assembly which are 2" or smaller in size and which serve a water-based fire protection system are not required to have a test cock on the number one listed indicating control valve.	The 2021 Version of ASSE 1015 uses the title 'Double Check Backflow Prevention Assemblies.' Also, the 2021 Version of ASSE 1048 uses the title 'Double Check Detector Backflow Prevention Assemblies.' The Department recommends dropping the word 'preventor' and replacing the word with the words 'prevention assembly.' Presented by: Ryan Boebel
30g	SPS 382.41 (4) (k)	Amend language	382.41(4)(k) A pressure type vacuum breaker assembly shall be installed such that the bottom of the device assembly or the critical level mark on the device assembly is at least 12" above all of the following:	382.41(4)(k) A pressure vacuum breaker assembly shall be installed such that the bottom of the assembly or the critical level mark on the assembly is at least 12" above all of the following:	The 2020 Version of ASSE 1020 uses the title 'Pressure Vacuum Breaker Assemblies.' The Department recommends changing the word 'device' with 'assembly.' Presented by: Ryan Boebel
30h	382.41(4)(n)	Amend language	382.41(4)(n) A spill resistant vacuum breaker assembly shall be installed so that the bottom of the device assembly or the critical level mark on the device assembly is at least 12" above all of the following:	(n) A spill resistant vacuum breaker assembly shall be installed so that the bottom of the assembly or the critical level mark on the assembly is at least 12" above all of the following:	The changes in this code section matches the titles of the ASSE standards. Presented by: Ryan Boebel
30i	SPS 382.41(4)(o)	Delete	382.41(4)(o) A water-fed trap seal primer shall be provided with high hazard backflow protection compliant with this section and all the following: 1. Fixture trap or tailpiece trap seal primers shall consist of a 1-1/4 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 or 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 if a vacuum breaker is used.	N/A (Code Language Removed)	The removal of this code section is due to all three specifications in this code section are listed in ASSE 1044. Presented by: Ryan Boebel

31	SPS 382.41 (5)		<p>382.41 Cross connection control. (5) Installation. ... (c) Cross connection control devices and assemblies shall be protected from freezing. (d) ... 2. A cross connection control device or assembly which has one or more vent ports may not be located in a pit, vault or depression which is below the adjacent grade or floor level, even if the pit, vault or depression is provided with a drain at the bottom of the pit. (e) 1. Vent ports of cross connection control devices or assemblies shall be positioned: ... 3. a. If a pressure vacuum breaker assembly, reduced pressure principle backflow prevention assembly, or a reduced pressure detector backflow prevention 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 pressure vacuum breaker assembly, reduced pressure principle backflow prevention assembly or a reduced pressure detector backflow prevention assembly, the flow or pathway of the discharge may not create a nuisance. (f) The installation of a reduced pressure principle backflow prevention assembly, a reduced pressure principle backflow prevention assembly, a double check backflow prevention assembly, a double check detector backflow prevention assembly, a pressure vacuum breaker assembly, and a spill resistant vacuum breaker assembly shall conform to all of the following limitations:</p>	<p>382.41 Cross connection control. (5) Installation. ... (c) Cross connection control devices and assemblies shall be protected from freezing. (d) ... 2. A cross connection control device or assembly which has one or more vent ports may not be located in a pit, vault or depression which is below the adjacent grade or floor level, even if the pit, vault or depression is provided with a drain at the bottom of the pit. (e) 1. Vent ports of cross connection control devices or assemblies shall be positioned: ... 3. a. If a pressure vacuum breaker assembly, reduced pressure principle backflow prevention assembly, or a reduced pressure detector backflow prevention 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 pressure vacuum breaker assembly, reduced pressure principle backflow prevention assembly or a reduced pressure detector backflow prevention assembly, the flow or pathway of the discharge may not create a nuisance. (f) The installation of a reduced pressure principle backflow prevention assembly, a reduced pressure detector backflow prevention assembly, a double check backflow prevention assembly, a double check detector backflow prevention assembly, a pressure vacuum breaker assembly, and a spill resistant vacuum breaker assembly shall conform to all of the following limitations:</p>	
31a	SPS 382.41 (5) (c)	Add language	382.41(5)(c) Cross connection control devices and assemblies shall be protected from freezing.	382.41(5)(c) Cross connection control devices and assemblies shall be protected from freezing.	SPS 382.41 (5) (c) only indicates devices shall be protected from freezing. The Department recommends adding 'assemblies' to be protected from freezing. Presented by: Ryan Boebel
31b	SPS 382.41 (5) (d) 2.	Add language	382.41(5)(d)2. A cross connection control device or assembly which has one or more vent ports may not be located in a pit, vault or depression which is below the adjacent grade or floor level, even if the pit, vault or depression is provided with a drain at the bottom of the pit.	382.41(5)(d)2. A cross connection control device or assembly which has one or more vent ports may not be located in a pit, vault or depression which is below the adjacent grade or floor level, even if the pit, vault or depression is provided with a drain at the bottom of the pit.	SPS 382.41 (5) (d) 2. indicates cross connection control devices. The Department recommends adding 'assemblies' to this code section. Presented by: Ryan Boebel
31c	SPS 382.41 (5) (e) 1.	Add language	382.41(5)(e)1. Vent ports of cross connection control devices or assemblies shall be positioned:	382.41(5)(e)1. Vent ports of cross connection control devices or assemblies shall be positioned:	SPS 382.41 (5) (e) 1. indicates cross connection control devices. The Department recommends adding 'assemblies' to this code section. Presented by: Ryan Boebel
31d	SPS 382.41 (5) (e) 3. a.	Amend language	382.41(5)(e)3.a. If a pressure vacuum breaker assembly , reduced pressure principle backflow prevention assembly , or a reduced pressure detector backflow prevention assembly , is located within a building, a drain or receptor shall be provided to receive the discharge from the vent ports of a pressure vacuum breaker assembly , reduced pressure principle backflow prevention assembly or a reduced pressure detector backflow prevention assembly , the flow or pathway of the discharge may not create a nuisance.	382.41(5)(e)3.a. If a pressure vacuum breaker assembly, reduced pressure principle backflow prevention assembly, or a reduced pressure detector backflow prevention 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 pressure vacuum breaker assembly, reduced pressure principle backflow prevention assembly or a reduced pressure detector backflow prevention assembly, the flow or pathway of the discharge may not create a nuisance.	The various assemblies listed within SPS 382.41 (5) (e) 3. a. are not to be referred to 'prevention' but rather 'prevention assembly.' The Department recommends repealing the word 'prevention' and replacing it with the words 'prevention assembly' to match the titles within the various ASSE standards. Presented by: Ryan Boebel
31e	SPS 382.41 (5) (f)	Amend language	382.41(5)(f) The installation of a reduced pressure principle backflow prevention assembly , a reduced pressure detector backflow prevention assembly, a double check backflow prevention assembly, a double check detector backflow prevention assembly, a pressure vacuum breaker assembly, and a spill resistant vacuum breaker assembly shall conform to all of the following limitations:	382.41(5)(f) The installation of a reduced pressure principle backflow prevention assembly, a reduced pressure detector backflow prevention assembly, a double check backflow prevention assembly, a double check detector backflow prevention assembly, a pressure vacuum breaker assembly, and a spill resistant vacuum breaker assembly shall conform to all of the following limitations:	The 2021 Version of ASSE 1013 uses the title 'Reduced Pressure Principle Backflow Prevention Assemblies.' Also, the 2021 Version of ASSE 1047 uses the title 'Reduced Pressure Detector Backflow Prevention Assemblies.' The Department recommends dropping the word 'prevention' and replacing the word with the words 'prevention assembly.' In addition, a 'double check fire backflow prevention assembly' no longer exists. The Department recommends removing a 'double check fire backflow prevention assembly' from SPS 382.41 (5) (f). One additional note; SPS 382.41 (5) (f) uses the word 'beaker', which should be corrected to 'breaker.' Presented by: Ryan Boebel
32	SPS 384.20 (5)		<p>384.20 Plumbing fixtures, appliances and equipment. ... (5) Plumbing fixtures and plumbing appliances. (a) <i>Automatic clothes washers.</i> Residential type automatic clothes washers shall conform to ASSE 1007 be provided with an intergral air gap or an approved cross connection method, device, or assembly outlined in Table 382.41-1 shall be installed. Air gaps shall comply with ASME A112.1.2 or A112.1.3. ... (dm) <i>Clothes dryers.</i> Clothes dryers shall be provided with an intergral air gap or an approved cross connection method, device, or assembly outlined in Table 382.41-1 shall be installed. Air gaps shall comply with ASME A112.1.2 or A112.1.3. (e) <i>Dishwashing machines.</i> 1. Residential type dishwashing machines shall conform to ASSE 1006 be provided with an intergral air gap or an approved cross connection method, device, or assembly outlined in Table 382.41-1 shall be installed. Air gaps shall comply with ASME A112.1.2 or A112.1.3. ... (h) <i>Food waste grinders.</i> 1. Residential type food waste grinders shall conform to ASSE 1008. Commercial type food waste grinders shall conform to ASSE 1009 or an approved cross connection method, device, or assembly outlined in Table 382.41-1. ... (o) <i>Water closets.</i> ... 6. Each water closet shall be individually equipped with a flushing device. Pressurized flushing devices shall conform to ASSE 1037. All flushing devices shall be readily accessible for maintenance and repair. Ballcocks and fill Fill valves shall be of the anti-siphon type and shall conform to ASSE 1002. The critical level mark on the ballcock and fill valve shall be located at least one inch above the full opening of the overflow pipe.</p>	<p>384.20 Plumbing fixtures, appliances and equipment. ... (5) Plumbing fixtures and plumbing appliances. (a) <i>Automatic clothes washers.</i> Residential type automatic clothes washers shall be provided with an intergral air gap or an approved cross connection method, device, or assembly outlined in Table 382.41-1 shall be installed. Air gaps shall comply with ASME A112.1.2 or A112.1.3. ... (dm) <i>Clothes dryers.</i> Clothes dryers shall be provided with an intergral air gap or an approved cross connection method, device, or assembly outlined in Table 382.41-1 shall be installed. Air gaps shall comply with ASME A112.1.2 or A112.1.3. (e) <i>Dishwashing machines.</i> 1. Residential type dishwashing machines shall conform to be provided with an intergral air gap or an approved cross connection method, device, or assembly outlined in Table 382.41-1 shall be installed. Air gaps shall comply with ASME A112.1.2 or A112.1.3. ... (h) <i>Food waste grinders.</i> 1. Residential type food waste grinders shall conform to ASSE 1008. Commercial type food waste grinders shall conform to an approved cross connection method, device, or assembly outlined in Table 382.41-1. ... (o) <i>Water closets.</i> ... 6. Each water closet shall be individually equipped with a flushing device. Pressurized flushing devices shall conform to ASSE 1037. All flushing devices shall be readily accessible for maintenance and repair. Fill valves shall be of the anti-siphon type and shall conform to ASSE 1002. The critical level mark on the fill valve shall be located at least one inch above the full opening of the overflow pipe.</p>	
32a	SPS 384.20 (5) (a)	Amend language	384.20(5)(a) <i>Automatic clothes washers.</i> Residential type automatic clothes washers shall conform to ASSE 1007 be provided with an intergral air gap or an approved cross connection method, device, or assembly outlined in Table 382.41-1 shall be installed. Air gaps shall comply with ASME A112.1.2 or A112.1.3.	384.20(5)(a) <i>Automatic clothes washers.</i> Residential type automatic clothes washers shall be provided with an intergral air gap or an approved cross connection method, device, or assembly outlined in Table 382.41-1 shall be installed. Air gaps shall comply with ASME A112.1.2 or A112.1.3.	ASSE 1007 is an inactive standard. There is no replacement standard. The Department recommends removing the standard from SPS 384.20 (5) (a). Presented by: Ryan Boebel
32b	SPS 384.20 (5)(dm)	Create	384.20(5)(dm) <i>Clothes dryers.</i> Clothes dryers shall be provided with an intergral air gap or an approved cross connection method, device, or assembly outlined in Table 382.41-1 shall be installed. Air gaps shall comply with ASME A112.1.2 or A112.1.3.	384.20(5)(dm) <i>Clothes dryers.</i> Clothes dryers shall be provided with an intergral air gap or an approved cross connection method, device, or assembly outlined in Table 382.41-1 shall be installed. Air gaps shall comply with ASME A112.1.2 or A112.1.3.	The standard for home laundry equipment is an inactive standard. The Department recommends adding a provision to address any cross connection control concerns with clothes dryers. Presented by: Ryan Boebel

32c	SPS 384.20 (5) (e) 1.	Amend language	384.20(5)(e)1. Residential type dishwashing machines shall conform to ASSE 1006 be provided with an intergral air gap or an approved cross connection method, device, or assembly outlined in Table 382.41-1 shall be installed. Air gaps shall comply with ASME A112.1.2 or A112.1.3.	384.20(5)(e)1. Residential type dishwashing machines shall be provided with an intergral air gap or an approved cross connection method, device, or assembly outlined in Table 382.41-1 shall be installed. Air gaps shall comply with ASME A112.1.2 or A112.1.3.	ASSE 1006 is an inactive standard. There is no replacement standard. The Department recommends removing the standard from SPS 384.20 (5) (e) 1. Presented by: Ryan Boebel
32d	SPS 384.20 (5) (h) 1.	Amend language	384.20(5)(h)1. Residential type food waste grinders shall conform to ASSE 1008. Commercial type food waste grinders shall conform to ASSE 1009 or an approved cross connection method, device, or assembly outlined in Table 382.41-1.	384.20(5)(h)1. Residential type food waste grinders shall conform to ASSE 1008. Commercial type food waste grinders shall conform to an approved cross connection method, device, or assembly outlined in Table 382.41-1.	ASSE 1009 is an inactive standard. There is no replacement standard. The Department recommends removing the standard from SPS 384.20 (5) (h) 1. Presented by: Mike McNally
32e	SPS 384.20 (5) (o) 6.	Amend language	384.20(5)(o)6. Each water closet shall be individually equipped with a flushing device. Pressurized flushing devices shall conform to ASSE 1037. All flushing devices shall be readily accessible for maintenance and repair. Ballcocks and fill valves shall be of the anti-siphon type and shall conform to ASSE 1002. The critical level mark on the ballcock and anti-siphon fill valve shall be located at least one inch above the full opening of the overflow pipe.	384.20(5)(o)6. Each water closet shall be individually equipped with a flushing device. Pressurized flushing devices shall conform to ASSE 1037. All flushing devices shall be readily accessible for maintenance and repair. Fill valves shall be of the anti-siphon type and shall conform to ASSE 1002. The critical level mark on the anti-siphon fill valve shall be located at least one inch above the full opening of the overflow pipe.	The language within SPS 384.20 (5) (o) 6. references 'Ballcocks and fill valves' conforming to ASSE 1002. ASSE 1002 standard covers anti-siphon fill valves, but does not cover 'ballcocks.' The Department recommends removing 'ballcocks' from SPS 384.20 (5) (o) 6. Presented by: Ryan Boebel
33B53:159	SPS 384.30		<p>384.30 Plumbing Materials.</p> <p>...</p> <p>(5) Pipe fittings and valves.</p> <p>...</p> <p>(c) <i>Special fittings and valves.</i></p> <p>...</p> <p>8. Reduced pressure principle backflow preventers and reduced pressure fire protection principle backflow preventers, or backflow preventers, reduced pressure principle type (RP) prevention assemblies shall conform with ASSE 1013 or CAN/CSA B64.4.</p> <p>Note: Reduced pressure backflow preventers and reduced pressure detector fire protection backflow preventers are not permitted for cross connection control.</p> <p>9. Double check backflow prevention assemblies shall conform to ASSE 1015 or CAN/CSA B64.5.</p> <p>Note: Double check fire protection backflow preventer assemblies are not permitted for cross connection control.</p> <p>...</p> <p>15. Reduced pressure detector fire protection, backflow prevention assemblies shall conform to ASSE 1047.</p> <p>16. Double check detector assembly backflow preventers prevention assemblies shall conform to ASSE 1048.</p> <p>17. Back-siphonage-backflow Spill resistant vacuum breakers breaker assemblies shall conform to ASSE 1056.</p>	<p>384.30 Plumbing Materials.</p> <p>...</p> <p>(5) Pipe fittings and valves.</p> <p>...</p> <p>(c) <i>Special fittings and valves.</i></p> <p>...</p> <p>8. Reduced pressure backflow prevention assemblies shall conform with ASSE 1013 or CAN/CSA B64.4.</p> <p>9. Double check backflow prevention assemblies shall conform to ASSE 1015 or CAN/CSA B64.5.</p> <p>...</p> <p>15. Reduced pressure detector backflow prevention assemblies shall conform to ASSE 1047.</p> <p>16. Double check detector backflow prevention assemblies shall conform to ASSE 1048.</p> <p>17. Spill resistant vacuum breaker assemblies shall conform to ASSE 1056.</p>	
29a	SPS 384.30 (5) (c) 8.	Amend language	384.30(5)(c)8. Reduced pressure principle backflow preventers and reduced pressure fire protection principle backflow preventers, or backflow preventers, reduced pressure principle type (RP) prevention assemblies shall conform with ASSE 1013 or CAN/CSA B64.4.	384.30(5)(c)8. Reduced pressure principle backflow prevention assemblies shall conform with ASSE 1013 or CAN/CSA B64.4.	The 2021 Version of ASSE 1013 uses the title 'Reduced Pressure Principle Backflow Prevention Assemblies.' The Department recommends dropping the word 'preventor' and replacing the word with the words 'prevention assembly'. In addition, adding the word 'principle' after 'reduced pressure.' Presented by: Ryan Boebel
29b	SPS 384.30 (5) (c) 8. Note	Delete - entirely	384.30(5)(c)8. Note: Reduced pressure backflow preventers and reduced pressure detector fire protection backflow preventers are not permitted for cross connection control.	N/A (Code Language Removed)	A 'reduced pressure fire protection principle backflow prevention assembly' no longer exists. The Department recommends removing the Note under SPS 384.30 (5) (c) 8. entirely. Presented by: Ryan Boebel
29c	SPS 384.30 (5) (c) 9. Note	Delete - entirely	384.30(5)(c)9. Note: Double check fire protection backflow preventer assemblies are not permitted for cross connection control.	N/A (Code Language Removed)	A 'double check fire protection backflow preventer assembly' no longer exists. The Department recommends removing the Note under SPS 384.30 (5) (c) 9. entirely. Presented by: Ryan Boebel
29d	SPS 384.30 (5) (c) 15.	Delete - in part	384.30(5)(c)15. Reduced pressure detector fire protection, backflow prevention assemblies shall conform to ASSE 1047.	384.30(5)(c)15. Reduced pressure detector backflow prevention assemblies shall conform to ASSE 1047.	The 2021 Version of ASSE 1047 uses the title 'Reduced Pressure Detector Backflow Prevention Assemblies.' The Department recommends dropping the words 'fire protection.' Presented by: Ryan Boebel
29e	SPS 384.30 (5) (c) 16.	Amend language	384.30(5)(c)16. Double check detector assembly backflow preventers prevention assemblies shall conform to ASSE 1048.	384.30(5)(c)16. Double check detector backflow prevention assemblies shall conform to ASSE 1048.	SPS 384.30 (5) (c) 16. is changing to conform to the title standard of ASSE 1048. The Department recommends changing SPS 384.30 (5) (c) 16. to match the title of ASSE 1048. Presented by: Ryan Boebel
29f	SPS 384.30 (5) (c) 17.	Amend language	17. Back-siphonage-backflow vacuum breakers shall conform to ASSE 1056. ----- 384.90(5)(c)17. Back-siphonage-backflow Spill resistant vacuum breakers breaker assemblies shall conform to ASSE 1056.	384.30(5)(c)17. Spill resistant vacuum breaker assemblies shall conform to ASSE 1056.	SPS 384.30 (5) (c) 17. is changing to conform to the title standard of ASSE 1056. The Department recommends changing SPS 384.30 (5) (c) 17. to match the title of ASSE 1056. Presented by: Ryan Boebel

Exhibit A ITEM No. 36

EXISTING LANGUAGE AND PROPOSED CHANGES TO SPS

Table 381.20-4

ASSE/IAMPO		American Society of Sanitary Engineering 18927 Hickory Creek Drive, Suite 220 Mokena, Illinois 60448 Phone: 708-995-3019 Website: www.asse-plumbing.org
Standard Reference Number	Title	
1.	1001-2021	Atmospheric Type Vacuum Breakers
2.	ASSE 1002-2020/ASME A112.1002-2020/CSA B125.12.20	Anti-siphon <u>Anti-Siphon</u> Fill Valves for Water Closet Tanks
3.	1003-2020 e1	Water Pressure Reducing Valves for Potable Water Distribution Systems
4.	1004-2017	<u>Backflow Prevention Requirements for Commercial Dishwashing Machines</u>
5.	1006-1989	Residential Use (Household) Dishwashers
6.	1007-1992	Home Laundry Equipment
7.	1008-2020	Plumbing Aspects of Residential Food Waste Disposer Units
8.	1009-1990	Commercial Food Waste Grinder Units
9.	1010-2004	Water Hammer Arresters
10.	1011-2017	Hose Connection Vacuum Breakers
11.	1012-2021	Backflow Preventer <u>Preventers</u> with <u>an</u> Intermediate Atmospheric Vent
12.	1013-2021	Reduced Pressure Principle Backflow Preventers and Reduced Pressure Principle Fire Protection Backflow Preventers <u>Prevention Assemblies</u>
13.	1014-2020	Backflow Prevention Devices for Hand Held <u>Hand-held</u> Showers
14.	1015-2021	Double Check Backflow Prevention Assemblies and Double Check Fire Protection Backflow Prevention Assemblies
15.	ASSE 1016-2017/ASME A112.1016-2017/CSA B125.16-17	Automatic Compensating Valves for Individual Showers and Tub/Shower Combinations
16.	1017-2009	Temperature Actuated Mixing Valves for Hot Water Distribution Systems
17.	1018-2001 (R2021)	Trap Seal Primer Valves - Potable Water Supplied
18.	1019-2011 (R2016)	Wall Hydrant with Backflow Protection and Freeze Resistance
19.	1020-2020 e1	Pressure Vacuum Breaker Assembly <u>Assemblies</u>
20.	1022-2021	Backflow Preventer for Beverage Dispensing Equipment
21.	1023-2020	Hot Water Dispensers, Household Storage Type, Electrical <u>Electrically Heated or Cooled Water Dispensers</u>
22.	1024-2017 (R2021)	Dual Check Backflow Preventers
23.	1032-2004 (R2021)	Dual Check Valve Type Backflow Preventers for Carbonated Beverage Dispensers, Post-Mix Type
24.	1035-2020	Laboratory Faucet Backflow Preventers
25.	1037-2015/ASME A112.1037-2015/CSA B125.37-15 (R2020)	Pressurized Flushing Devices for Plumbing Fixtures
26.	1044-2015	Trap Seal Primer – Drainage Types and Electric Design Types
27.	1047-2021	Reduced Pressure Detector Fire Protection Backflow Prevention Assemblies; <u>Performance Requirements for</u>
28.	1048-2021	Double Check Detector Fire Protection Backflow Prevention Assemblies; <u>Performance Requirements for</u>
29.	1050-2021	Stack Air Admittance Valves for Sanitary Drainage <u>Systems</u>
30.	1051-2021	Individual and Branch Type Air Admittance Valves for Sanitary Drainage Systems
31.	1052-2016	Hose Connection Backflow Preventers; <u>Performance Requirements for</u>
32.	1053-2019	Dual Check Backflow Preventer Wall Hydrants - Freeze Resistant Type; <u>Performance Requirements for</u>
33.	ANSI/CAN/ASSE/IAPMO 1055-2020	Chemical Dispensing Dispensers <u>Systems</u> with Integral Backflow Protection; <u>Performance Requirements for</u>
34.	1056-2013 (R2021)	Spill Resistant Vacuum Breaker Assemblies; <u>Performance Requirements for</u>

35.	1057-2012	Freeze Resistant Sanitary Yard Hydrants with Backflow Protection; Performance Requirements for
36.	1061-2020	Performance Requirements for Push-Fit Fittings
37.	1066-1997	Performance Requirements for Individual Pressure Balancing In-Line Valves for Individual Fixture Fittings
38.	1072-2020	Performance Requirements for Barrier Type Trap Seal Protection for Floor Drains
39.	1079-2012 (R2021)	Performance Requirements for Dielectric Pipe Unions
40.	1081-2014 (R2020)	Performance Requirements for Backflow Preventers with Integral Pressure Reducing Boiler Feed Valve and Intermediate Atmospheric Vent Style for Domestic and Light Commercial Water Distribution Systems
41.	ASSE/IAPMO/ANSI SERIES 5000-2022e1	Cross Connection Control Professional Qualifications
42.	IAPMO/ANSI Z1001- 2016	(Prefabricated Gravity Grease Interceptors)



PUBLIC AGENDA REQUEST FORM

Instructions:

1. Fill out this form, and then save to your device.
2. Return to the [“Suggest an Agenda Item”](#) page and select the appropriate Board or Council from the Board/Council list.
3. Attach your completed “Public Agenda Request” form and send.

First Name: Dean

Last Name: Petersen

Association/Organization: Madison College – Plumbing Apprenticeship Instructor

Subject: IAPMO – Water Demand Calculator

Issue to Address:

We wish to discuss the Department’s current interpretation and enforcement of the International Association of Plumbing and Mechanical Officials Water Demand Calculator. Specifically, we want to address the Department’s interpretation of how to size fixture supplies when using the WDC. We intend to present to the Council the “Why and How” of the WDC and what are the concerns.

Brief description of concerns:

The WDC is essentially an Excel program that utilizes several different algorithms. The sole purpose of this tool is to determine the probability and peak flow of two or more fixtures on a particular section of piping when designing a water distribution system. The Department’s current interpretation and enforcement when using this design tool, is that we must use the WDC to size individual fixture supplies (a fixture supply is a section of piping that serves only one fixture). In short, a fixture cannot experience simultaneity with itself, so it is incorrect to suggest that we must use the WDC to size this section of piping. We already have plumbing code, SPS 382.40(7)(g), in place to size this section of piping. We suggest using our code when sizing fixture supplies when using the WDC.

The simple fact is that we have oversizing water distribution systems for the last century. The WDC solves this problem. The benefits of using the WDC when designing multi-family buildings is both building cost and public health. Depending, on the size of the apartment building, the WDC could save 10 of thousands in building costs by reducing pipe size within the building, and the result of smaller pipe size is a more hygienic system by reducing the likelihood of diseases such as legionella from developing in the system.

Unfortunately, the Department’s interpretation has discouraged plumbing designers and contractors from using the WDC because the Department’s interpretation demands unnecessary design and material costs at time when we need more, and more affordable housing.

Thank you for your consideration,

Dean Petersen – Madison College - Plumbing Apprenticeship Instructor & Program Director
Master Plumber - #231001 & Plumbing Designer – D-2053-P