

COMMITTEE ACTIONS
ON
2008 PROPOSED CHANGES
TO
THE 2006 NATIONAL STANDARD PLUMBING CODE
(and its 2007 & 2008 Supplements)

14 September 2008

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Chairman, NSPC Committee

The following proposed code changes were reviewed by the National Standard Plumbing Code Committee at the Public Hearing held on August 21, 2008 at the Sheraton Convention Center Hotel in Atlantic City, NJ. Those proposals that were accepted will be published in the 2009 NSPC, along with the changes in the 2007 and 2008 Supplements.

Proposals 07-02 through 07-119 were tabled by the Committee in 2007. They have prompted a number of 2008 committee proposals.

- 07-02 Failed for lack of a second due to 08-04, which proposes adding a definition of air admittance valve in Chapter 1.
- 07-08 Failed for lack of a second. Would add a definition of tepid water that does not agree with the description in ANSI Z358.1 for emergency showers and eyewashes.
- 07-14 Failed for lack of a second due to 08-14, which proposes adding marking requirements for products and materials.
- 07-17 Failed for lack of a second due to 08-48, which is a committee proposal that rewrites the section on chemical waste piping.
- 07-18 Failed for lack of a second. Similar to 07-17.
- 07-33 Accepted as amended. Updates Item 17 in Table 3.1.3 – Part IX. Item 22 was not accepted because ASSE 1057 for freeze resistant sanitary yard hydrants does not provide sufficient protection against back-siphonage and backflow.
- 07-42 Failed for lack of a second due to 08-55, which rewrites the section on joints in plastic pipe and would permit UV light detectible clear primer.
- 07-45 Failed for lack of a second due to 08-59, which would clarify methods of joining plastic DWV piping to other piping materials.
- 07-51 Failed for lack of a second because it addressed an issue in the NSPC Illustrated. It requested a figure be added to show where backwater valves are required. The committee will add a figure in the 2009 NSPC Illustrated.
- 07-57 Failed for lack of a second due to committee proposal 08-70 on water-fed and waterless urinals.

- 07-64 Failed for lack of a second. Would have permitted ASSE 1072 barrier type floor drain trap seal protection devices as a substitute to trap priming.
- 07-76 Failed for lack of a second due to committee proposal 08-95, which addresses access to backflow prevention devices.
- 07-88 Failed for lack of a second. Would have prohibited water heater drip pans from discharging to the floor.
- 07-93 Failed for lack of a second. Would rewrite the requirements for relief valve discharge piping with no apparent changes. Included no reason for the change.
- 07-94 Failed for lack of a second. Would have required vacuum relief valves only on bottom-fed water heaters that are elevated above the fixture outlets.
- 07-95 Failed for lack of a second. Would have changed the requirements for vacuum relief valves on water heaters and water storage tanks.
- 07-96 Failed for lack of a second. A committee proposal that would have added specific requirements for vacuum relief valves for water heaters and water storage tanks.
- 07-103 Failed for lack of a second. Would have added specific requirements for duplexing sewage ejectors and sewage pumps. Duplexing equipment is a design issue.
- 07-112 Failed for lack of a second. Would have moved air admittance valves from Appendix E as engineered systems into Chapter 12 with no restrictions on their use. In 2007, there was consideration to permitting AAVs in residential applications without requiring design by a licensed engineer.
- 07-119 Failed for lack of a second. Would have added requirements for storm water reuse. It was felt that there are more considerations than are included in the proposal.
- 08-01 Defeated. Would have added back siphonage to backflow in Basic Principle No. 1. The definition of backflow includes back siphonage.
- 08-02 Failed for lack of a second. Would have added business occupancy and professions as considerations in Basic Principle No. 4 – Water Conservation. No clear reason was given.
- 08-03 Failed for lack of a second. Would have added the requirements for drain valves in addition to cleanouts in drainage systems in Basic Principle No. 8 and Section 5.4. Such drain valves to permit draining backed-up lines with hoses are not prohibited by the Code.
- 08-04 Defeated due to action on 08-121. Would have added the definition of air admittance valves in Chapter 1 – Definitions.

- 08-05 Defeated. Would have defined bathing safe hot water. The existing code is considered to be adequate.
- 08-06 Accepted as Amended. Defines individual fixture supply valves as a valve installed in fixture supply branch piping used for the purpose of regulating or stopping water flow to an individual fixture for installation, repair, or replacement of the fixture or its faucet. Subsequently, the Committee voted to change the amendment to "or its fitting".
- 08-07 Accepted. Defines water supply main.
- 08-08 Accepted. Defines shut-off valve.
- 08-09 Accepted. Adds storm water to the definition of sump pumps.
- 08-10 Failed for lack of a second. Would have prohibited double pattern drainage fittings for back-to-back floor-outlet water closets.
- 08-11 Defeated. Would have prohibited compression fittings in underground water service lines in a code section for drainage systems.
- 08-12 Accepted. Editorial – adds a period at the end of a sentence.
- 08-13 Accepted as amended. Does not require that seating areas where food is served be protected against drainage overflow, flooding, backflow, or leakage from overheat drain and vent piping.
- 08-14 Accepted as amended. The original proposal added requirements for manufacturers' marking of plumbing products and materials. The proposal was amended as follows to apply only to cast iron soil pipe and fittings: Section 3.1.2, part (e): Marking of Cast Iron Soil Pipe and Fittings: Each length of cast iron soil pipe and fitting used in the plumbing system shall be marked with the manufacturer's name or registered trademark to enable the user to readily identify the manufacturer. The marking shall be done by the manufacturer during the time of manufacture. Field marking shall not be permitted.
- 08-15 Accepted as amended. The original proposal added requirements for the certification of plumbing products for compliance with referenced standards. The proposal was amended to apply to only cast iron soil and fittings: Section 3.1.2, part (f): Certification of Cast Iron Soil Pipe and Fittings: Where cast iron soil pipe and fittings are being installed, the Authority Having Jurisdiction shall be furnished, when requested, certification by the manufacturer of compliance to the product standard. Resellers of cast iron soil pipe and fittings manufactured by others and using third party certifications or inspections to support proof of compliance to the product standard shall, in addition to the manufacturer certification, provide, when requested, copies of third party reports to the Authority Having Jurisdiction.
- 08-16 Defeated due to the action on 08-75 regarding requirements for shower floors and shower pan liners. 08-16 included proprietary products.

- 08-17 Failed for lack of a second. The proposal included proprietary products. Refer to committee proposal 08-75.
- 08-18 Tabled. The proposed standard for polyethylene raised temperature (PE-RT) plastic hot and cold water tubing and distribution systems has not been released by the ASTM committee.
- 08-19 Accepted. Updates standards listed in Table 3.1.3 – Part I.
- 08-20 Accepted. Deletes AWWA C606 as a standard for split couplings in copper tube. AWWA C606 covers IPS sized ferrous and nonferrous pipe, not copper tube.
- 08-21 Accepted. Updates standards listed in Table 3.1.3 – Part II.
- 08-22 Accepted. Adds ASTM F2165 flexible pre-insulated piping to Table 3.1.3 – Part III.
- 08-23 Withdrawn.
- 08-24 Accepted. Updates standards listed in Table 3.1.3 – Part III.
- 08-25 Accepted. Adds AWWA C903 PE-AL-PE and PEX-AL-PEX to Table 3.1.3 – Part III.
- 08-26 Accepted. Updates standards listed in Table 3.1.3 – Part IV.
- 08-27 Defeated. Proposed to add an IAPMO IGC standard for waterless urinals, which is not a consensus standard and includes waterless urinals with a self-sealing waterless waste valve instead of a liquid trap seal, which is required by the NSPC, the UPC, and the IPC.
- 08-28 Accepted. Updates standards listed in Table 3.1.3 – Part V.
- 08-29 Accepted. Corrects the titles of three standards in Table 3.1.3 – Part V.
- 08-30 Accepted. Corrects the title of ANSI Z358.1 in Table 3.1.3 – Part V.
- 08-31 Accepted. Updates standards listed in Table 3.1.3 – Part VI.
- 08-32 Accepted as amended. Updates standards listed in Table 3.1.3 – Part VII.
- 08-33 Accepted. Updates standards listed in Table 3.1.3 – Part VII.
- 08-34 Accepted. Adds ASSE 1072 – Barrier type floor drain trap seal protection devices to Table 3.1.3 – Part VIII, based on acceptance of 08-61.
- 08-35 Accepted. Updates standards listed in Table 3.1.3 – Part IX.
- 08-36 Accepted. Updates standards listed in Table 3.1.3 – Part X.

- 08-37 Accepted. Updates standards listed in Table 3.1.3 – Part XI.
- 08-38 Accepted. Clarifies that where the issue date of a standard in Table 3.1.3 is followed by a date in parenthesis, the requirements of the original issued standard have been reconfirmed without change.
- 08-39 Accepted. Adds separators and grease recovery devices to the title and text of Section 3.3.7 – Interceptors.
- 08-40 Accepted. Changes AGA to CSA.
- 08-41 Accepted as amended. Adds plastic roof drains to Section 3.3.9.
- 08-42 Accepted. Changes American Gas Association to Canadian Standards Association.
- 08-43 Accepted. Adds ASTM F1282 and AWWA C903 pipe to Table 3.4.
- 08-44 Accepted. Deletes reference to Note 3 in Table 3.4. The note is not necessary since the NSPC requires compliance with NSF 14 and NSF 61.
- 08-45 Accepted. Adds ASTM F2165 flexible pre-insulated piping to Table 3.4 for water service, cold, and hot water distribution.
- 08-46 Accepted. Adds AWWA C903 PE-AL-PE and PEX-AL-PEX piping to Table 3.4.2.
- 08-47 Accepted. Deletes Section 3.7.1 on exterior gutters and leaders. Gutters and downspouts were deleted from the NSPC in the 2008 Supplement because they are a sheetmetal trade.
- 08-48 Accepted. It rewrites Section 3.11 on chemical waste piping. It deletes listings of specific pipe materials, all of which may not be suitable for all chemical wastes.
- 08-49 Accepted. Editorial – changes cast iron "ball" and spigot to "bell" and spigot.
- 08-50 Accepted. Expands the basic requirements for threaded joints in Section 4.2.2.
- 08-51 Defeated. Would have prohibited soldered joints underground.
- 08-52 Accepted. Adds reference to ASSE 1061 for the required 125 psig pressure rating for push-fit joints.
- 08-53 Accepted. Editorial – changes "Sec 2.4.4" to "Section 2.4.4".
- 08-54 Defeated. Would have permitted structural adhesive joints for piping for which there are no product standards.

- 08-55 Accepted as amended. Need to see where the pipe size is a factor. Expands the code sections for plastic pipe joints, adding a section on UV light detectable clear primers for plastic pipe.
- 08-56 Accepted. Clarifies the requirements for access to slip joints.
- 08-57 Accepted. Deletes reference to leaders under slip couplings. Gutters and downspouts were deleted from the NSPC in the 2008 Supplement. Gutters and downspouts are a sheetmetal trade.
- 08-58 Defeated. Would have deleted mechanical unshielded couplings.
- 08-59 Accepted as amended. Clarifies joining plastic DWV piping to other materials. Only solid wall plastic pipe can be caulked with molten lead to cast iron hub ends.
- 08-60 Failed for lack of a second. Would have required a hose bibb in toilet rooms having two or more water closets, urinals, or a combination of one or more water closets or urinals except in dwelling units. The concern was the possibility of vandalism.
- 08-61 Accepted. Clarifies the requirements for trap seal maintenance in Section 5.3.6 and permits the addition of an ASSE 1072 barrier type trap seal protection device to floor drains.
- 08-62 Defeated. Would have added ASSE 1072 trap seal protection devices to Section 5.3.6 but did not indicate that they are limited to floor drains.
- 08-63 Failed for lack of a second. Would have added an incomplete statement describing barrier type floor drain trap seal protection devices without mentioning ASSE 1072.
- 08-64 Accepted. A committee proposal that corrects an error in the Code about where backwater valves are required.
- 08-65 Accepted in principle based on 08-64. Would have corrected the error about where backwater valves are required.
- 08-66 Withdrawn.
- 08-67 Failed for lack of a second based on 08-69R.
- 08-68 Failed for lack of a second. Would have permitted only grease interceptors with a static internal water seal to serve as a trap for an individual fixture. All grease interceptors have water seals.
- 08-69R Accepted. In Section 6.2.4, clarifies when grease interceptor flow control devices should be vented to the space and when they should be connected to the vent piping system.

- 08-70 Accepted. Updates the standards for vitreous china and plastic water-fed and non-water urinals. Requires that waterless (non-water) urinals have a liquid trap seal in accordance with Section 5.3.2, ASME A112.19.19, and ANSI Z124.9.
- 08-71 Failed for lack of a second. Would have deleted waterless urinals from Section 7.5.1.
- 08-72 Defeated. Would have required that water piping be installed for the future removal of waterless urinals.
- 08-73 Withdrawn due to action on 08-70. Would have permitted waterless urinals without a barrier liquid seal.
- 08-74 Withdrawn due to action on 08-70. Would have permitted waterless urinals without a barrier liquid seal.
- 08-75 Accepted. Clarifies the requirements for shower floors and where shower pan liners are required.
- 08-76 Accepted. Requires that freeze-resistant drinking fountains be the sanitary type without weep holes drains that create a cross connection between ground water and the potable water supply.
- 08-77 Accepted. Permits residential sinks and dishwashers to discharge indirectly to a trapped standpipe or receptor.
- 08-78 Accepted. Permits residential sinks, dishwashers, and food-waste-grinders to discharge indirectly to a trapped standpipe or receptor.
- 08-79 Withdrawn. A committee proposal that would have permitted ASSE 1072 barrier type floor drain trap seal protection devices as a substitute for a deep seal trap or a trap primer.
- 08-80 Accepted. Adds a note to Table 7.21.1 that permits showers to be omitted in recreational facilities that do not have locker rooms, when approved by the AHJ.
- 08-81 Defeated based on the action on 08-80. Would have added a partial list of recreational facilities that would not require showers.
- 08-82 Accepted. Rewrites the requirements for plumbed emergency eyewash and shower equipment. ANSI Z358.1 makes the installer responsible for all aspects of the installation and performance of such equipment. This change to the NSPC makes the facility designer responsible for the location and performance of emergency showers and eyewashes. The temperature of the flushing fluid is to be 65°F - 95°F unless the facility designer calls for other temperatures to provide protection for a particular hazard.

- 08-83 Withdrawn. This committee proposal would have added ASSE 1057 sanitary type freeze-resistant yard hydrants. The committee was made aware of the shortcomings with the backflow provisions of ASSE 1057.
- 08-84 Accepted as amended. This committee proposal corrects an error in the text concerning the maximum distances for supports for vertical and horizontal pipe. The text said "no less than" when it should say "no greater than".
- 08-85 Failed for lack of a second. Would have added reference to appropriate standards and manufacturer's instructions for vertical pipe support.
- 08-86 Failed for lack of a second. Would have added reference to appropriate standards and manufacturer's instructions for horizontal pipe support.
- 08-87 Withdrawn. Would have required that piping be isolated from incompatible support materials, which are not defined.
- 08-88 Failed for lack of a second. Would have added support spacing for vertical piping that were not justified by industry standards.
- 08-89 Accepted. A committee proposal that clarifies the requirements for supporting plastic pipe.
- 08-90 Accepted as amended. Adds MSS SP-69 as an alternate to the pipe hanger and support spacing required by Section 8.2 for vertical piping and Section 8.3 for horizontal piping.
- 08-91 Failed for lack of a second. Would have added NSF 60/61 and reference to the Safe Drinking Water Act section 1417 in Section 10.1 Quality of Water Supply. NSF 61 applies to products and materials that convey or contact potable water, not the potable water itself.
- 08-92 Defeated. Would have identified non-potable water piping as yellow or purple. ANSI A13.1 does not list purple for non-potable water.
- 08-93 Withdrawn. A committee proposal that would have recognized that buildings can have more than one non-potable water system.
- 08-94 Tabled. Would have required that all products and materials that convey or contact potable water comply with the health effects limitations of NSF 61. There are apparently some exceptions in NSF 61.
- 08-95 Accepted. Requires that clearances for testing, maintaining, repairing, and replacing backflow prevention devices be as recommended by the manufacturer.
- 08-96 Failed for lack of a second. Would have required clearances only in front of backflow prevention devices.

- 08-97 Accepted in part based on the action on 08-98R. 08-98R clarifies that multi-purpose or network residential sprinkler systems that supply both plumbing fixtures and residential fire sprinklers in accordance with NFPA 13D do not require backflow prevention devices and are limited to one- and two-family dwellings. After consideration, the committee continued to require RPZ backflow preventers where sprinkler systems have fire department connections.
- 08-98R Accepted. Does not require backflow prevention devices in multi-purpose or network residential sprinkler systems that supply both plumbing fixtures and residential fire sprinklers in accordance with NFPA 13D, which covers one and two family dwellings. NFPS 13R, which covers hotel and motels, does not permit multi-purpose or network residential sprinkler systems. Clarifies that RPZ devices are required where fire protection systems include fire department connections.
- 08-99 Failed for lack of a second. Included references to NSF 61 for pressure booster systems which are not in code language.
- 08-100 Withdrawn. Proposed changes to a note in a figure in the NSPC Illustrated. The committee will address this when the 2009 NSPC Illustrated is edited.
- 08-101 Withdrawn. Proposed changes to a note in a figure in the NSPC Illustrated. The committee will address this when the 2009 NSPC Illustrated is edited.
- 08-102 Failed for lack of a second due to action on 08-104. Dealt with shutoff valves in dwelling units.
- 08-103 Withdrawn. Would have permitted shutoff valves in dwelling units to be in an adjacent mechanical room of the unit that they control.
- 08-104 Accepted. Rewrites Sections 10.12.4 and 10.12.5 for water supply shutoff valves in dwelling units and riser valves. Requires shutoff valves in the supply mains or main branches in multiple dwelling units.
- 08-105 Failed for lack of a second. Made reference to NSF 61 in Section 10.14.4 for booster pumps and pressure tanks where there is inadequate water pressure.
- 08-106 Accepted. In Section 10.15.6 – Mixed Water Temperature Control, changes "to a maximum of" to "a temperature not higher than". Some inspectors have been insisting that mixed water temperature controls be set to the maximum temperature.
- 08-107 Failed for lack of a second. Made reference to Certificate of Occupancy and Temporary Certificate of Occupancy for field testing backflow prevention devices.
- 08-108 Accepted as amended. Requires drip pans only under tank-type water heaters (not instantaneous) where leakage would cause damage to the building structure.
- 08-109 Improperly submitted. The person submitting the proposal is not listed.

- 08-110 Failed for lack of a second. Proposes to make shutoff valves on manifolds optional if the fixtures have their own shutoff valves. But the text says that "each manifold outlet shall be equipped".
- 08-111 Failed for lack of a second. Proposed a change that was approved in the 2008 Supplement.
- 08-112 Failed for lack of a second. Proposed to delete Section 11.5.6 – Restrictions of the Number of Water Closets on 3" Drains because Dr. Hunter sized drain piping based on drainage fixture units. The number of water closets in Section 11.5.6 are based on their drainage fixture unit values.
- 08-113 Accepted. Changes inches of water pressure to water column.
- 08-114 Accepted. Does not require vent pipes to be extended to 7 feet above the roof if people are on the roof to maintain equipment.
- 08-115 Failed for lack of a second. In Section 12.6.2.3, would have deleted the requirement for a cleanout in vent piping that is below the flood level rim of the fixture served.
- 08-116 Defeated. In Section 12..8.4, would have made the limits on the distances from the outlets of water closets and other fixtures with siphonic discharge to their vent connection apply only when the horizontal portion of the fixture drain is at the same elevation as the building drain. The committee did not understand the relationship to the building drain.
- 08-117 Failed for lack of a second. Would have deleted the requirement that the distance between the outlets of water closets and other fixtures that operate by siphonic action not exceed 3 feet vertically and 9 feet horizontally because siphonic drainage has no distance limitation. Siphonic drainage periods must be limited so that water closet flush tanks can refill and flushometer valves can refill the traps after the siphonic drainage stops.
- 08-118 Failed for lack of a second. Would have permitted back-outlet and floor outlet water closets to be battery vented. The existing Code text permits back outlet water closets to be battery vented if no floor outlet water closets are connected to the same horizontal branch drain.
- 08-119 Accepted. Adds building drains to the scope of Table 12.16 – Size and Length of Vents. Building drains may need to be vented where air admittance valves are used in Appendix E.
- 08-120 Failed for lack of a second. Would have deleted Section 12.16.6 that requires that the aggregate cross sectional area of all vent terminals serving a sewer be not less than the cross sectional area of the minimum required size of the building drain they serve at the point where it connects to the building sewer. The reason for the proposal does not identify the engineering calculations that it claims do not require aggregate cross sectional area.

- 08-121 Defeated. Would permit air admittance valves to be installed in residential construction up to two stories in height without design by a licensed engineer.
- 08-122 Accepted. Clarifies where weep holes are required in foundation walls, depending on where foundation drains are located.
- 08-123 Failed for lack of a second. Would have required traps on roof drains connected to a combined sewer that are located where vent terminals are permitted under Section 12.4.4.
- 08-124 Accepted as amended. Prohibits testing plastic piping with compressed air.
- 08 -125 Defeated. Would have permitted testing PEX plastic pipe and fittings with compressed gas or compressed air. Some manufacturers of PEX piping do not permit testing with compressed air or gas.
- 08-126 Accepted. Editorial. Corrects a spelling error.
- 08-127 Defeated. Deletes the definition of air admittance valves in Appendix E, assuming that the definition was added to Chapter 1 by 08-04.
- 08-128 Accepted. In Appendix E.8.5 for the vent to outdoors for drainage systems with air admittance valves, the change requires that if the aggregate cross sectional area of all vent terminals does not equal or exceed the cross sectional area required by Section 12.16.6, a dry vent to outdoors sized according to Table 12.16 shall be provided downstream from the last fixture connection, branch connection, or stack connection to the building drain before the connection of the building drain to the building sewer.
- 08-129 Accepted. Adds siphonic roof drainage to Appendix E – Special Design Plumbing Systems in accordance with the requirements of ASPE Standard 45, its Appendices, and the other requirements of Section E.9 in NSPC Appendix E.