The 2015 International Plumbing Code

- Nonpotable water quality per jurisdiction’s requirements for the end use application
- Where disinfection required, use of chlorine or ozone has requirements
- Tank installation and marking addressed
- On-Site Nonpotable Water Reuse Systems limited to Graywater (BTs, LAVs, ACWs & LTs)
2015 International Plumbing Code (continued)

- On-Site Nonpotable Water Reuse Systems can include other nonpotable water sources such as rainwater, steam condensate, etc. if approved by the code official.

- On-Site Nonpotable Water Reuse Systems cannot include kitchen sink water, urine, RO reject water, wet scrubber waste water.

- Specific tank standards for On-Site Nonpotable Water Reuse Systems.

- NSF 50 compliant three-valve inlet valve
On-Site Nonpotable Rainwater Collection System roofing surface materials must be approved by the code official.

On-Site Nonpotable Water Reuse Systems cannot include Storm Water unless all collected water is exclusively used for irrigation.

Where needed, disinfection must be by chlorine with testing for residual chlorine by ASTM D1253.
2015 International Plumbing Code (continued)

- Quality parameters of collected rainwater given the code unless site conditions indicated in ASTM E2727 apply
- Reclaimed water systems must be designed to ASTM E2635 and A-E-Ps
- New Chapter 14 provides details on the use of nonpotable water for underground applications
- Very similar requirements for nonpotable water were put in the 2015 International Residential Code!
The 2015 International Green Construction Code

- Midway in the code development cycle for revisions to the 2012 IgCC
- Committee approval for removing Sections 706 through 710 from the IgCC
- Sections 706 through 710 cover all subject matter now covered in Chapter 13 of the IPC
- Based on Committee approvals and disapprovals at this point in time:
Trap priming must use some type of nonpotable water

Where municipal reclaimed water is available, and the jurisdiction elects to do so, the reclaimed water must be used for outdoor landscape irrigation, and flushing of water closets and urinals

Where onsite nonpotable water is available, and the jurisdiction elects to do so, the nonpotable water must be used for outdoor ornamental water features
2015 International Green Construction Code (continued)

- Where Appendix A (Project Electives) is adopted by a jurisdiction, numerous end uses for nonpotable water could be mandated

- Public Comments for the IgCC development cycle are due by July 16, 2014
ICC/CSA Rainwater Catchment System Standard

- Fledgling status: Two meetings have been held with third meeting scheduled for August 13-14, 2014 (in NYC)
- Main focus is on the development of water quality standards for various end uses
- Will consider rainwater as collected on, and conveyed by, approved materials and rainwater that is considered storm water because of the nature of the collection path
ICC/CSA Rainwater Catchment System Standard (continued)

- Will include much of what is already in the 2015 IPC for the “mechanics” of these systems
- Input from all stakeholders concerning water quality is desperately needed. Contact Shawn Martin: SMartin@ICCSafe.org or see www.iccsave.org/cs/standards/IS-RCSDI/Pages/default.aspx

Thank You!
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