



ICC NEWS RELEASE

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Contact: Trey Hughes
1-888-ICC-SAFE (422-7233), ext. 5237
thughes@iccsafe.org

Plumbing Efficiency Research Coalition Releases Drainline Transport Report Phase 2.1 Supplement

Code Council among Coalition Members Providing New Insight into Building Drains

The Plumbing Efficiency Research Coalition (PERC) has released the [Phase 2.1 supplemental report on the drainline transport of solid waste in building drains](#). The study builds on the findings of the Phase 2.0 report from additional work the coalition was able to conduct using remaining funds carried over from the PERC 2.0 research study. The [Drainline Transport of Solid Waste in Buildings – Phase 2.0](#) was originally released in September 2015. The PERC 2.1 findings appear as a new appendix to the PERC 2.0 report.

“Water conservation and efficiency continue to drive many of the recent code changes in the *International Plumbing Code*,” said Lee Clifton, Director of PMG Resources for the [International Code Council](#) (ICC), which is a member of the coalition. “Recent events such as the Flint, Mich., water crisis and the severe drought in the western United States are shinning the spotlight on a growing global issue.”

PERC identified drainline transport as its first research project when it was formed in 2009 to support the development of water efficiency and sustainable plumbing products, systems, and practices. PERC’s member organizations are represented by Fred Grable of the Code Council; Mary Ann Dickinson, Alliance for Water Efficiency; Billy Smith, American Society of Plumbing Engineers, Peter DeMarco, International Association of Plumbing and Mechanical Officials; Gerry Kennedy, Plumbing-Heating-Cooling Contractors National Association; and Barbara C. Higgins, Plumbing Manufacturers International.

The Phase 2.1 supplemental report focuses on two previously unaddressed areas of study: the implications surrounding dual flush toilet discharge patterns, comparing results to single volume flush toilets of comparable flush volume; and the impact of drainline slope deviations on the transport of solid waste.

“ICC is proud to have been a part of the PERC study,” said Grable, a senior staff engineer with the Code Council. “Our members and stakeholders strive to bring innovation into the ICC Family of Codes based on experience and research.”

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About the International Code Council

The [International Code Council](#) is a member-focused association. It is dedicated to developing model codes and standards used in the design, build and compliance process to construct safe, sustainable, affordable and resilient structures. Most U.S. communities and many global markets [choose the International Codes.](#)