

Dave Gray

From: Thompson, Thomas (VDH) [Thomas.Thompson@vdh.virginia.gov]
Sent: Friday, June 03, 2016 4:13 PM
To: Dave Gray
Subject: RE: Harrisonburg DCSM Standards Update

David,

The recommended changes are the three major updates Mark mentioned in the meeting last week. These are the bacti testing every 1,200ft (instead of 2,000 ft), time of 16 hrs (instead of 24hrs) and flushing velocity of 3.0 fps (instead of 2.5 fps). Those are the main ones. Below is the portion of the 2015 AWWA C-651 standards. You may want to look over the new standards and compare with what you have at the city to see if there is anything else that needs to be changed.

Thomas

5.1.1.1 For new mains, the purchaser has two options for the bacteriological testing for total coliform analysis.

Option A: Before approving a main for release, take an initial set of samples and then resample again after a minimum of 16 hr using the sampling site procedures outlined. Both sets of samples must pass for the main to be approved for release.

Option B: Before approving a main for release, let it sit for a minimum of 16 hr without any water use. Then collect, using the sampling site procedures outlined and without flushing the main, two sets of samples a minimum of 15 min apart while the sampling taps are left running. Both sets of samples must pass for the main to be approved for release.

A set of samples includes all samples collected along the length of the pipeline, as described in Sec. 5.1.1.2.

5.1.1.2 For new mains, sets of samples shall be collected every 1,200 ft (370 m) of the new water main, plus one set from the end of the line and at least one from each branch greater than one pipe length.

4.4.2 *Preliminary flushing.* Before the main is chlorinated, it shall be filled with potable water to eliminate air pockets and flushed to remove particulates. The flushing velocity in the main shall not be less than 3.0 ft/sec (0.91 m/sec) unless

From: Dave Gray [<mailto:Dave.Gray@harrisonburgva.gov>]
Sent: Friday, June 03, 2016 1:28 PM
To: Thompson, Thomas (VDH)
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Thomas,

I plan to update our DCSM language early next week. Do you have specific language referencing the AWWA flushing and disinfection process that you would like me to incorporate? I would like to start with your preferred language and adapt from there if possible. Thanks and have a great weekend.

David H. Gray, PE

City of Harrisonburg, VA

Public Utilities Engineering Superintendent

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