

WVU DESIGN GUIDELINES & CONSTRUCTION STANDARDS
DIVISION 22 – PLUMBING

SECTION 221311 – LEAD FREE PLUMBING COMPONENTS

Part 1 - General

- 1.1. Any deviance from the following requirements must be approved during design by WVU Facilities project manager.
- 1.2. As of January 4, 2014, all new and renovated potable water plumbing work shall only use components that are manufactured to be lead free in compliance with the requirements of Section 1417 of the US Safe Drinking Water Act (SDWA) as amended by US Senate Bill S. 3874.
 - a. Lead free means solder and flux not containing more than 0.2 percent lead. Additionally the wetted surfaces of pipes, pipe fittings, plumbing fittings, and fixtures shall not contain more than a weighted average of 0.25 percent lead.
- 1.3. As of January 4, 2014, as applicable, potable water plumbing components shall either be NSF-61G or ANSI/NSF 372 Certified. Products NSF-61G certified shall be marked “NSF-61G” or “NSF pw-G”.

PART 2 - PRODUCTS

- 2.1. Upon request by WVU Facilities Project Manager, the plumbing component and materials manufacturer’s lead free certification shall be provided to WVU.
- 2.2. Potable water lead-free manufacturing requirements shall not apply to:
 - a. Pipes, pipe fittings, plumbing fittings, or fixtures, including backflow preventers, that are used exclusively for non-potable services such as manufacturing, industrial processing, irrigation, outdoor watering, or any other uses where the water is not anticipated to be used for human consumption; or
 - b. Toilets, bidets, urinals, fill valves, flushometer valves, tub fillers, shower valves, service saddles, or water distribution main gate valves that are 2 inches in diameter or larger.

END OF SECTION 221311