

**Summary of Substantive Changes
Between the 2010a and 2011 Editions of
NSF 61 “Drinking Water System Components — Health Effects”**

General: The technical content was changed; however there should be no impact on current listings. The evaluation requirements for coatings for pipes, tanks and other products were clarified; one of these clarifications is that the exposure time for sample extraction for pipes with paint/coating systems was reduced from 24 to 16 h. Regent water will replace the use of tap water for the extraction procedures of wetting and to flood the adsorption media. Also, requirements for solid chemical feeders were added.

Section 5.5.2.2, Field-applied paint and coating systems, and Section 5.5.2.3, Factory-applied paint and coating systems: A reference to The Society for Protective Coatings Steel Structures Painting Manual Volume 2. Reference Paint Application Specification No. 2 (SSPC-PA2) was added for the acceptable variations of maximum dry film thicknesses.

Section 5.5.4, Conditioning (Optional): A conditioning procedure for coatings for pipes and fittings was added.

Section 5.5.5.4, Single time point exposure protocol: The exposure time for pipes was reduced as follows; *For paint/coating systems intended for immediate return to service, the first four days of the exposure for tanks and the first two days of the exposure for pipes will be eliminated and the water samples shall be collected at the conclusion of the first 24-h period following conditioning for tanks, and the first 16-h period for pipes.*

Section 5.7.2, Normalization for all other end uses: Added normalization of pipe and fitting coatings.

Section 5.8.1, Contaminants measured at a single time point: Added contaminant concentration requirements for pipe and fitting products.

Section 5.8.2, Contaminants measured over time: Added contaminant concentration requirements for pipe and fitting products.

Table 5.3, Multiple Time Point Exposure Sequence, Table 5.4, Single time point exposure protocol for pipe and related product coatings, and Table 5.7, Surface area-to-volume ratios for tanks or storage vessels were added.

Section 7.3.1, Manufacturer use instructions: Revised to clarify that only media requiring conditioning, dosing, use of filtration aids or specific recommended use concentrations, shall be required to contain manufacturer use instructions.

Section 7.5.2 Wetting: Changed the requirement to use regent water versus tap water for wetting process media that receives conditioning.

Section 7.5.3.1 Filtration and adsorption media: Changed the requirement to use regent water versus tap water to flood filtration and adsorption media.

Section 7.7, Normalization: The inclusion of an additional normalization calculation for process media with a manufacturer's recommended use concentration was added.

Section 8.6.1, Solid Chemical Feeders: Added the requirement that that solid chemical feeders be evaluated with manufacturer's recommended use chemicals that also comply with the requirements of NSF/ANSI 60: Drinking Water Treatment Units- Health Effects.

Annex C, Table C1, Acceptable materials: Stainless Steel UNS S32202 has been added.