



WL Plastics Ltd.  
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January 14, 2019 - UPDATED

## **RE: AWWA C901 size and chlorine rating compliance - Announcement**

Dear Customer,

AWWA C901 was updated one year ago to include material requirements and wall thickness restrictions relating to oxidative (i.e. chlorine) resistance. The intent of the changes was to specify PE4710 for water service systems using chlorine and chloramine residual disinfectants that meets or exceeds 100-year projected life in potable water service applications. The Standard now requires the use of only high performance PE4710 compounds with SDR11/SDR9/SDR7/SDR7.3 for service tubes and requires that "PE Compound used in potable water service applications shall be classified [for resistance to the oxidative effects of disinfectants] as CC2 or CC3 per ASTM D3350..." Note that SDR 11 may only use CC3 classified compounds. Special sizes can still be considered but cannot be thinner than DR 11. Reference PPI TN-49 for further information at <https://plasticpipe.org/pdf/tn-49.pdf>

The industry was given one year to comply with the requirements and we are nearing that point now. Starting on January 1, 2019, compliance with AWWA C901 means that NSF listings will be limited to wall thicknesses of DR 11 or thicker for outside diameters within the standard (3/4" – 3" OD). Any other DR's will NOT be available with markings of AWWA C901, NSF, or chlorine ratings.

Thinner wall pipe for sizes between 1/2" and 3" OD will be available with an alternate water standard ASTM D3035, which can be marked as potable with NSF-61 or NSF-14 where applicable, however it will not have any chlorine resistance markings and will not have the calculated chlorine resistance of the raw material. Caution should be taken using these sizes in a potable water service unless the chlorine values of the water are known.

If you have any further questions, please do not hesitate to contact your local sales or customer service person, or myself.

Regards,

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