

Charleston Water System: Lead and Copper Rule Milestones

1992-1994:

- CWS reported the highest lead levels in the nation under the new Lead and Copper Rule at 211 ppb.
- Began corrosion control program with orthophosphate and entered a consent agreement with EPA to control lead corrosion.
- Began a public education program on lead and copper and developed a pilot program to optimize corrosion control.

1994-2000:

- December, 1994: Lead results under the EPA Action Level. Sampled 100 homes, 2x/year, meeting EPA criteria in every case.
- June, 2000: Approved for reduced monitoring; once per year, 50 homes.

2002-Present

- Met EPA criteria every year, in every case.

- January, 2002: Approved for reduced monitoring; every three years, 50 homes.

- August, 2018:

Lead

All homes tested (51) were under the EPA Action Level (15 ppb.)

Highest lead value reported was 11 ppb.

18 homes above the MRL-method reporting limit (<1ppb.)

- Range 1 ppb to 11 ppb

33 homes below the MRL (<1 ppb)

Copper

All homes tested (51) were all under the EPA Action Level (1.3 mg/L.)

Highest Level detected was 0.18 mg/L.

28 samples above the MRL.

- Range 0.05 mg/L to 0.18 mg/L

23 samples below MRL <0.05 mg/L

