

The South Carolina Department of Health and Environmental Control (DHEC) coordinated with the Bamberg District Two school district to conduct water sampling for lead levels as requested at the community meeting which DHEC hosted on April 5, 2018. DHEC staff collected samples at Denmark-Olar Elementary School on April 12, 2018 and Denmark-Olar Middle School on April 19, 2018. Because Denmark-Olar High School was built in 1994 after lead was prohibited from being used in construction of drinking water piping systems, sampling was not performed at the high school.

DHEC staff followed EPA (Environmental Protection Agency) recommended collection procedures which require water be collected first thing in the morning after water has remained in pipes overnight.

All results from both schools were below the EPA’s Lead and Copper Rule action level of 0.015 milligrams per liter (mg/L).

RESULTS

Denmark-Olar Elementary School Lead Sampling Results – April 12, 2018

Sample Location	Result	Units
Main Kitchen Sink – 1 st Draw	Less than 0.002	mg/L
Main Kitchen Sink - 1 Min Flush	Less than 0.002	mg/L
Main Kitchen Sink - 5 Min Flush	Less than 0.002	mg/L
Back Kitchen Sink	0.006	mg/L
Water Fountain Outside of Cafeteria	Less than 0.002	mg/L
Water Fountain Near Room 112	Less than 0.002	mg/L
Water Fountain 2 nd Grade Hall	Less than 0.002	mg/L
Pre-K Class Sink on Left	Less than 0.002	mg/L
Hydrant Near School	Less than 0.002	mg/L

**The EPA action level for lead is 0.015 mg/L. The minimum detection limit is 0.002 mg/L.*

**Back kitchen sink was measurable, but below the action level.*

**All samples are first draw unless otherwise indicated.*

Denmark-Olar Middle School Lead Sampling Results – April 19, 2018

Sample Location	Result	Units
Kitchen Sink – 1 st Draw	Less than 0.002	mg/L
Kitchen Sink – 1 Min Flush	Less than 0.002	mg/L
Kitchen Sink – 5 Min Flush	Less than 0.002	mg/L
Water Fountain Near Room 104	Less than 0.002	mg/L
Water Fountain Near Room 303	Less than 0.002	mg/L
Water Fountain in 6 th Grade Hall	Less than 0.002	mg/L
Front Office	Less than 0.002	mg/L

**The EPA action level for lead is 0.015 mg/L. The minimum detection limit is 0.002 mg/L.*

***All samples are first draw unless otherwise indicated.*

Summary of Data

All results are below the EPA’s Lead and Copper Rule action level of .015 milligrams per liter (mg/L).

Locations tested for each school are found in the tables above. Sample locations were selected based on frequency of use and highest potential for exposure. The samples that were collected followed the EPA protocol which represents the worst-case scenario. First draw samples collect water that has been standing in pipes overnight. The flush samples are collected after the water has run for the period of time indicated. Any water after first draw would be expected to contain even lower amounts of lead if lead had been present.