

Required Report on Public Health Goals

Public Hearing

Board of Public Utilities Meeting

June 20, 2019



OUR FUTURE IN EVERY DRÖP

CA Health and Safety Code

- Applies to all Public water systems with more than 10,000 service connections.
- Water Quality measurements exceeding the Public Health Goals (PHG) limit.
- Every 3 years.
- Report covers years 2016, 2017 and 2018.

Maximum Contaminant Level Goals (MCLGs)

- Set by United States Environmental Protection Agency (US EPA)
- MCLG is the maximum level of a contaminant in drinking water at which no known or anticipated adverse health effect to humans
- Not enforceable and are not required to be met by any Public Water System
- MCLs are set as close to the MCLGs as possible, considering the ability of public water systems to detect and remove contaminants using suitable treatment technologies.

Public Health Goals (PHGs)

- PHGs are State equivalent to MCLGs
- Set by the California Office of Environmental Health Hazard Assessment
- Based solely on public health risk considerations
- Not enforceable and are not required to be met by any Public Water System

Maximum Contaminant Levels (MCLs)

- Standards that are set by the US EPA.
- Legal threshold limit on the amount of a substance that is allowed in public water system.
- Considered economically and technically feasible to be met.

PHG Exceedances

- 2016, 2017 and 2018
- Total Coliform
- Benzene

Total Coliform

- Public Health Goal is 0
- MCL is 5% of monthly samples

Total Coliform PHG Exceedances

Month	Number of Samples Collected	Number of Coliform Positive Results	Percent Positive
February 2016	141	1	0.70
October 2016	128	1	0.78
November 2016	150	1	0.66
December 2016	137	1	0.72
January 2017	141	1	0.70
February 2017	129	1	0.77
October 2017	139	1	0.71
December 2017	132	1	0.75
April 2018	144	2	1.38
July 2018	149	1	0.67
August 2018	150	1	0.66
November 2018	141	2	1.4

Typical water sample station





Pedestal Style sample station



Benzene

- Public Health Goal is .15 ppb
- MCL is 1 ppb

What was the Source?

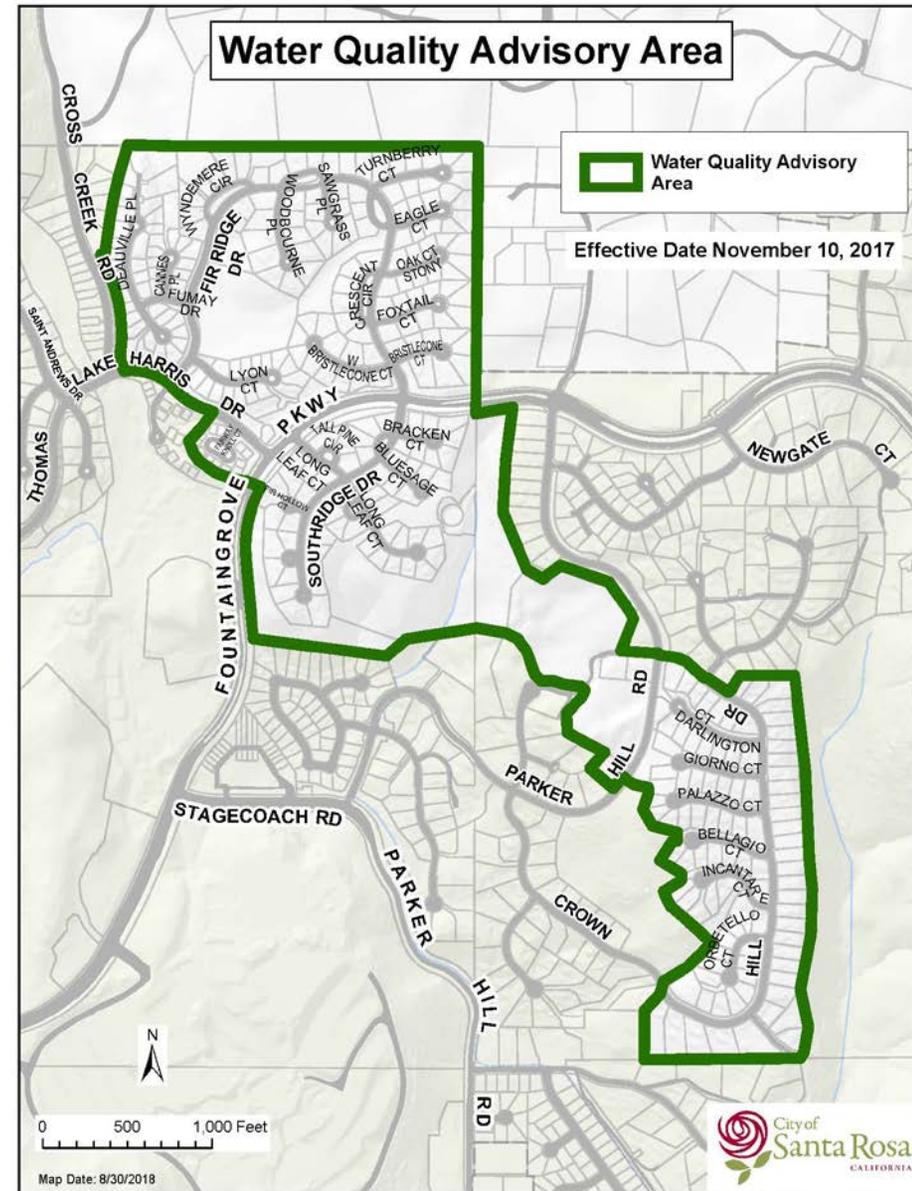
- Leaching from Plastics
- Backflow of
 - Burned/Melted Plastics
 - Soot/Ash/
Fire Debris



Post-fire Water Quality Advisory

Fountaingrove Area

- Issued advisory 11/10/2017
- After the source was determined, replaced water system components
 - Service lines to all 352 properties in the Advisory Area
 - Blow-off valves and hydrants
 - 3 sections of water main
- Lifted advisory on 10/11/18



Post Advisory Monitoring Plan

- Continuous flushing, testing, and monitoring as follows:
 - Bi-weekly sampling for two months following the advisory being lifted
 - Monthly sampling during months three through six
 - Quarterly sampling during months six through twelve (currently doing)
 - Quarterly sampling from advisory area on-going
- Activities and results are being reported to DDW and shared with the community

Recommendation

- It is recommended by the Water Department that the Board hold a public hearing for the purpose of accepting and responding to public comment on the City of Santa Rosa Public Health Goals Report
- PHG Report available on our website: srcity.org/waterquality

Questions?



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