

10/29/2019

Item No. 2



City Council Meeting

Item #2 19-1027
Report on Water Quality
Relative to Public Health
Goals

October 29, 2019



City of
Santa Clara
The Center of What's Possible

Public Health Goals Regulations

- The City is mandated by State Water Quality Regulations to hold a public hearing to present information on:
 - The City's Water Quality Program
 - Public Health Goals (PHGs)
 - Findings
 - Recommendations

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Santa Clara Water Quality

- Water & Sewer Utility staff collect over 3,000 water quality samples a year
- Santa Clara's water meets all water quality standards required by State and Federal regulations
- Every year, all citizens and customers receive the City's Consumer Confidence Report as part of *Inside Santa Clara*



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Background on PHGs

- The California Office of Environmental Health Hazard Assessment has established 89 PHGs
- PHG or Maximum Contaminant Level Goal (MCLG) exceedances require a report and public hearing
- This report covers calendar years 2016, 2017 and 2018
- PHGs are neither enforceable nor required to be met by the Utility

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Public Health Goals

- PHGs are set:
 - at a level that “does not pose any significant risk to health” and which no known anticipated adverse effects on human health occur with added margin of safety
 - intentionally at a level without considering technical feasibility or costs of achieving the goal
 - in the case of carcinogens, at a theoretical level estimate to cause no more than one incidence of cancer risk in one million people with a lifetime of exposure

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Public Health Goals

Monitoring Results

Constituent	MCL or (AL)	PHG or (MCLG)	Sampling Results
Coliform (% positive)	5%	(0%)	0 – 4.1%
Arsenic (ppb)	10	0.004	ND – 4
Copper (ppm)	(1.3)	0.3	ND – 0.92
Lead (ppb)	(15)	0.2	ND – 5.9

MCL – Maximum contaminant level

MCLG – Maximum contaminant level goal

AL – Action level

ND - Non-detect

ppb - parts per billion

ppm - parts per million

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Report Conclusions

- The Water Utility is not proposing to change its current operations based on the information provided
 - The City's drinking water meets all State and Federal regulatory requirements for safe drinking water
 - Benefits of reductions are uncertain, but the costs associated with possible water treatment options are significant

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Recommendation

- That Council accept the Report on the City's Water Quality Relative to Public Health Goals at the close of the Public Hearing

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The seal of the City of Santa Clara, California, is circular. It features a central illustration of a mission-style building with a red roof and a bell tower, set against a blue sky with clouds and green grass. The year "1852" is written in green below the building. The outer ring of the seal contains the text "CITY OF SANTA CLARA CALIFORNIA" at the top and "THE MISSION CITY" at the bottom, separated by dots.

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