


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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