



CENTRAL COAST WATER AUTHORITY

POLONIO PASS WATER TREATMENT PLANT

2013 CONSUMER CONFIDENCE REPORT DATA

Please see last page for key to abbreviations.

Parameter	Units	State MCL	PHG (MCLG)	State DLR	Range Average	TREATED CCWA	SOURCE STATE WATER	Major Sources in Drinking Water
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PRIMARY STANDARDS--Mandatory Health-Related Standards

CLARITY (a)

Combined Filter Effluent Turbidity	NTU	TT=<1 NTU every 4 hours TT=95% of samples <0.3 NTU	Range %	0.04 - 0.12 100%	NA NA	Soil runoff
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INORGANIC CHEMICALS

Aluminum	ppm	1 (b)	0.6	0.05	Range Average	ND - 0.15 0.083	ND - 0.096 0.043	Residue from water treatment process; Erosion of natural deposits
Arsenic, Total	ppb	10	0.004	2	Range Average	ND ND	2.8 2.8	Erosion of natural deposits; runoff from orchards; glass and electronics production wastes
Nitrate as Nitrogen	ppm	10	10	0.4	Range Average	0.41 0.41	ND ND	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits

RADIONUCLIDES

Gross Alpha Particle	pCi/L	15	(0)	3	Range Average	ND - 3.9 2.0	ND - 3.7 1.9	Erosion of natural deposits
Uranium	pCi/L	20	0.43	1	Range Average	ND ND	1.0 1.0	Erosion of natural deposits

DISTRIBUTION SYSTEM MONITORING

Total Chlorine Residual	ppm	MRDL = 4.0	MRDLG = 4.0	NA	Range Average	1.2 - 3.5 2.2	NA NA	Measurement of the disinfectant used in the production of drinking water
Total Trihalomethanes (d)	ppb	80	NA	NA	Range Average	ND - 75 52	NA NA	By-product of drinking water chlorination
Haloacetic Acids (d)	ppb	60 (e)	NA	NA	Range Average	10 - 34 18	NA NA	By-product of drinking water chlorination

SECONDARY STANDARDS--Aesthetic Standards

Chloride	ppm	500	NA	NA	Range Average	45 - 136 90	41 - 134 86	Runoff/leaching from natural deposits; seawater influence
Color	ACU	15	NA	NA	Range Average	ND ND	15 15	Naturally-occurring organic materials
Iron, Total	ppb	300	NA	100	Range Average	ND ND	80 80	Leaching from natural deposits; industrial wastes
Odor Threshold	TON	3	NA	1	Range Average	ND - 1 ND	ND - 8 1.5	Naturally-occurring organic materials
Specific Conductance	uS/cm	1600	NA	NA	Range Average	366 - 715 569	308 - 634 523	Substances that form ions when in water; seawater influence
Sulfate	ppm	500	NA	0.5	Range Average	36 36	38 38	Runoff/leaching from natural deposits; industrial wastes
Total Dissolved Solids (TDS)	ppm	1000	NA	NA	Range Average	218 - 423 336	182 - 375 309	Runoff/leaching from natural deposits;
Turbidity (Monthly)	NTU	5	NA	NA	Range Average	0.04 - 0.17 0.06	0.45 - 5.8 1.6	Soil runoff

ADDITIONAL PARAMETERS (Unregulated)

Alkalinity (Total) as CaCO ₃ equivalents	ppm	NA	NA	NA	Range Average	60 - 90 72	60 - 96 78	Runoff/leaching from natural deposits; seawater influence
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						TREATED	SOURCE	
Parameter	Units	State MCL	PHG (MCLG)	State DLR	Range Average	CCWA	STATE WATER	Major Sources in Drinking Water
Calcium	ppm	NA	NA	NA	Range	34 - 78	32 - 80	Runoff/leaching from natural deposits; seawater influence
					Average	54	54	
Hardness (Total) as CaCO ₃	ppm	NA	NA	NA	Range	76 - 150	76 - 156	Leaching from natural deposits
					Average	111	111	
Heterotrophic Plate Count (f)	CFU/mL	TT	NA	NA	Range	0 - 2	NA	Naturally present in the environment
					Average	0.4	NA	
Magnesium	ppm	NA	NA	NA	Range	10	13	Runoff/leaching from natural deposits; seawater influence
					Average	10	13	
pH	pH Units	NA	NA	NA	Range	7.4 - 8.6	7.5 - 9.5	Runoff/leaching from natural deposits; seawater influence
					Average	8.3	8.6	
Potassium	ppm	NA	NA	NA	Range	2.4	3.0	Runoff/leaching from natural deposits; seawater influence
					Average	2.4	3.0	
Sodium	ppm	NA	NA	NA	Range	42	55	Runoff/leaching from natural deposits; seawater influence
					Average	42	55	
Total Organic Carbon (TOC) (g)	ppm	TT	NA	0.30	Range	1.7 - 3.2	2.4 - 6.1	Various natural and manmade sources.
					Average	2.4	3.7	

ABBREVIATIONS AND NOTES

Footnotes:

- Turbidity (NTU) is a measure of the cloudiness of the water and it is a good indicator of the effectiveness of our filtration system. Monthly turbidity values are listed in the Secondary Standards section.
- Aluminum has a Secondary MCL of 200 ppb.
- Total coliform MCLs: No more than 5.0% of the monthly samples may be Total Coliform positive. Fecal coliform/*E. coli* MCLs: The occurrence of 2 consecutive Total Coliform positive samples, one of which contains fecal coliform/*E. coli*, constitutes an acute MCL violation.
- Compliance based on the running quarterly annual average of distribution system samples.
- Monochloroacetic Acid (MCAA) has a DLR of 2.0 ug/L while the other four Haloacetic Acids have DLR's of 1.0 ug/L.
- Pour plate technique -- monthly averages.
- TOCs are taken at the treatment plant's combined filter effluent.
- State MCL is 45 mg/L as NO₃, which equals 10 mg/L as N.

Abbreviations

AL = Regulatory Action Level
 ACU = Apparent Color Units
 CCWA = Central Coast Water Authority
 CDPH = California Department of Public Health
 CFU/ml = Colony Forming Units per milliliter
 DLR = Detection Level for purposes of Reporting
 LSI = Langelier Saturation Index
 MCL = Maximum Contaminant Level
 MCLG = Maximum Contaminant Level Goal
 MFL = Million Fibers Per Liter
 MRDL = Maximum Residual Disinfectant Level
 MRDLG = Maximum Residual Disinfectant Level Goal
 NA = Not Applicable
 NC = Not Collected
 NL = Notification Level
 NTU = Nephelometric Turbidity Units
 pCi/L = PicoCuries per liter
 PHG = Public Health Goal
 ppb = parts per billion, or micrograms per liter (µg/L)
 ppm = parts per million, or milligrams per liter (mg/L)
 ppt = parts per trillion, or nanograms per liter (ng/L)
 PPWTP = Polonio Pass Water Treatment Plant
 SI = Saturation Index
 TON = Threshold Odor Number
 TT = Treatment Technique
 UCMR = Unregulated Contaminant Monitoring Regulation
 umhos/cm = µS/cm or microsiemens per centimeter
 (unit of specific conductance of water)