CENTRAL COAST WATER AUTHORITY
POLONIO PASS WATER TREATMENT PLANT
2012 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
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 - 0.13 100%	NA NA	Soil runoff
INORGANIC CHEMICALS								
Aluminum	ppm	1 (b)	0.6	0.05	Range Average	ND - 0.12 0.069	ND - 0.081 0.046	Residue from water treatment process; Erosion of natural deposits
Nitrate as Nitrogen	ppm	10	10	0.4	Range Average	0.49 0.49	0.49 0.49	Runoff and leaching from fertilizer use; leaching from septic tanks and sewage; erosion of natural deposits
Nitrate as NO_3	ppm	45 (h)	45	2	Range Average	2.2 2.2	2.1 2.1	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	4.0 4.0	3.5 3.5	Erosion of natural deposits
DISTRIBUTION SYSTEM MONITORING								
Total Chlorine Residual	ppm	MRDL = 4.0	MRDLG = 4.0	NA	Range Average	1.5 - 3.1 2.2	NA NA	Measurement of the disinfectant used in the production of drinking water
Total Trihalomethanes *(d)*	ppb	80	NA	NA	Range Average	20 - 77 46	NA NA	By-product of drinking water chlorination
Haloacetic Acids *(d)*	ppb	60 (e)	NA	NA	Range Average	5.4 - 17 11	NA NA	By-product of drinking water chlorination
SECONDARY STANDARDS--Aesthetic Standards								
Chloride	ppm	500	NA	NA	Range Average	46 - 146 86	42 - 141 83	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	210 210	Leaching from natural deposits; industrial wastes
Odor Threshold	TON	3	NA	1	Range Average	ND ND	ND - 6 1.5	Naturally-occurring organic materials
Specific Conductance	umhos/cm	1600	NA	NA	Range Average	344 - 706 522	298 - 694 486	Substances that form ions when in water; seawater influence
Sulfate	ppm	500	NA	0.5	Range Average	71 71	39 39	Runoff/leaching from natural deposits; industrial wastes
Total Dissolved Solids (TDS)	ppm	1000	NA	NA	Range Average	202 - 417 308	175 - 656 296	Runoff/leaching from natural deposits;
Turbidity (Monthly)	NTU	5	NA	NA	Range Average	0.04 - 0.1 0.05	0.44 - 7.2 1.6	Soil runoff
ADDITIONAL PARAMETERS (Unregulated)								
Alkalinity (Total) as $CaCO_3$ equivalents	ppm	NA	NA	NA	Range Average	46 - 86 67	54 - 98 73	Runoff/leaching from natural deposits; seawater influence
Calcium	ppm	NA	NA	NA	Range Average	30 - 76 49	32 - 78 49	Runoff/leaching from natural deposits; seawater influence
Hardness (Total) as $CaCO_3$	ppm	NA	NA	NA	Range Average	64 - 156 101	64 - 160 102	Leaching from natural deposits
Heterotrophic Plate Count *(f)*	CFU/mL	TT	NA	NA	Range Average	0 - 4 0.6	NA NA	Naturally present in the environment
Magnesium	ppm	NA	NA	NA	Range Average	13 13	12 12	Runoff/leaching from natural deposits; seawater influence

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pH	pH Units	NA	NA	NA	Range	7.2 - 8.8	7.1 - 9.6	Runoff/leaching from natural deposits; seawater influence
					Average	8.3	8.6	
Potassium	ppm	NA	NA	NA	Range	2.6	2.6	Runoff/leaching from natural deposits; seawater influence
					Average	2.6	2.6	
Sodium	ppm	NA	NA	NA	Range	62	48	Runoff/leaching from natural deposits; seawater influence
					Average	62	48	
Total Organic Carbon (TOC) *(g)*	ppm	TT	NA	0.30	Range	1.4 - 2.4	2.2 - 4.1	Various natural and manmade sources.
					Average	1.8	2.8	

ABBREVIATIONS AND NOTES

Footnotes:

(a) 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.

(b) Aluminum has a Secondary MCL of 200 ppb.

(c) 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.

(d) Compliance based on the running quarterly annual average of distribution system samples.

(e) 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.

(f) Pour plate technique -- monthly averages.

(g) TOCs are taken at the treatment plant's combined filter effluent.

(h) State MCL is 45 mg/L as NO_3, 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)
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)