CENTRAL COAST WATER AUTHORITY
POLONIO PASS WATER TREATMENT PLANT
2007 CONSUMER CONFIDENCE REPORT DATA

Please see last page for key to abbreviations.

Parameter	Units	State MCL	PHG (MCLG)	State DLR	Range / Average	TREATED CCWA PPWTP	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 	0.03 - 0.22 100%	NA NA	Soil runoff
MICROBIOLOGICAL (b)								
Total Coliform Bacteria *(Distribution System)*	--	5.0% of monthly samples	0	--	Range Average Highest	0.0% 0 Positives 0 Positives	NA NA NA	Naturally present in the environment
Fecal Coliform and *E. coli* *(Distribution System)*	--	--	0	--	Range Average Highest	0 Positives 0 Positives 0 Positives	NA NA NA	Human and animal fecal waste
ORGANIC CHEMICALS								
Total Trihalomethanes *(Distribution System) (c)*	ppb	80	NA	0.5	Range Average	38 - 56 45	NA NA	By-product of drinking water chlorination
Haloacetic Acids (c) *(Distribution System)*	ppb	60	NA	1.0	Range Average	5.7 - 12 8.3	NA NA	By-product of drinking water chlorination
INORGANIC CHEMICALS								
Aluminum (d)	ppb	1000	600	50	Range Average	28 - 150 81	95-100 98	Residue from water treatment process; Erosion of natural deposits
Total chlorine residual *(Distribution System)*	ppm	MRDL = 4.0	MRDLG = 4.0	--	Range Average	1.05 - 2.6 1.8	NA NA	Measurement of the disinfectant used in the production of drinking water
RADIONUCLIDES								
Gross Beta Particle Activity (2004)	pCi/L	50	(0)	4	Range Average	NC NC	7.3 7.3	Decay of natural and manmade deposits
SECONDARY STANDARDS--Aesthetic Standards								
Chloride	ppm	500	NA	--	Range Average	45 - 148 90	42 - 145 87	Runoff/leaching from natural deposits; seawater influence
Color (ACU) (g)	Units	15	NA	--	Range Average	3 3	10 10	Naturally occurring organic materials
Corrosivity (g)	SI	non-corrosive	NA	--	Range Average	non-corrosive	NA NA	Balance of hydrogen, carbon, & oxygen in water, affected by temperature & other factors
Iron (g)	ppb	300	NA	100	Range Average	ND ND	220 220	Leaching from natural deposits; industrial wastes
Manganese (g)	ppb	50	NA	20	Range Average	ND ND	21 21	Leaching from natural deposits
Odor Threshold	Units	3	NA	1	Range Average	1-3 1	2-20 4	Naturally occurring organic materials
Specific Conductance	µmho/cm	1600	NA	--	Range Average	337 - 657 524	308 - 629 488	Substances that form ions when in water; seawater influence.
Sulfate (g)	ppm	500	NA	0.5	Range Average	39 39	35 35	Runoff/leaching from natural deposits; industrial wastes
Total Dissolved Solids	ppm	1000	NA	--	Range Average	159 - 389 273	145 - 377 266	Runoff/leaching from natural deposits; seawater influence
Turbidity (Monthly)	NTU	5	NA	0.05	Range Average	0.03 - 0.31 0.05	0.7 - 34 2.6	Soil runoff

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Additional Parameters (Unregulated):								
Alkalinity (Total) as $CaCO_3$ equivalents	ppm	NA	NA	--	Range	56 - 86	46 - 84	Runoff/leaching from natural deposits; seawater influence
					Average	71	73	
Calcium	ppm	NA	NA	--	Range	34-86	34 - 70	Runoff/leaching from natural deposits; seawater influence
					Average	50	50	
Hardness (Total) as $CaCO_3$	ppm	NA	NA	--	Range	72 - 130	64 - 128	Leaching from natural deposits
					Average	101	101	
Heterotrophic Plate Count (e)	CFU/mL	TT	NA	--	Range	<1 - 2	NA	Naturally present in the environment
					Average	1	NA	
Magnesium (g)	ppm	NA	NA	--	Range	9.5	13	Runoff/leaching from natural deposits; seawater influence
					Average	9.5	13	
pH	pH Units	NA	NA	--	Range	7.3 - 9.5	7.3 - 9.4	Runoff/leaching from natural deposits; seawater influence
					Average	8.25	8.36	
Potassium (g)	ppm	NA	NA	--	Range	2.3	2.8	Runoff/leaching from natural deposits; seawater influence
					Average	2.3	2.8	
Sodium (g)	ppm	NA	NA	--	Range	45	48	Runoff/leaching from natural deposits; seawater influence
					Average	45	48	
Total Organic Carbon (f) (TOC)	ppm	TT	NA	0.30	Range	1.1 - 2.5	2.1 - 4.3	Various natural and manmade sources.
					Average	1.7	3.0	

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) 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. These MCLs were not violated in 2007. Results are based on the distribution system's highest percent positives. Compliance is based on the combined samples from the distribution system.

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

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

(e) Pour plate technique -- monthly averages.

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

(g) Treated Water sampled in 2006

Abbreviations

AL = Regulatory Action Level
ACU = Apparent Color Units
CCWA = Central Coast Water Authority
CFU/ml = Colony Forming Units per milliliter
DHS = Department of Health Services
DLR = Detection Level for purposes of Reporting
MCL = Maximum Contaminant Level
MCLG = Maximum Contaminant Level Goal
MFL = Million Fibers Per Liter
MRDL = Maximum Residual Disinfectant Level
MRDLG = Maximum Residual Disinfectant 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
TOC = Total Organic Carbon
TT = Treatment Technique
UCMR = Unregulated Contaminant Monitoring Regulation
µmho/cm = micromhos per centimeter (unit of specific conductance of water)