

Testing Results for Suburban Water Company

Regulated Contaminants	Collection Date	Highest Value	Range	Unit	MCL	MCLG	Typical Source
BARIUM	2/22/2005	0.21	0.16 - 0.21	ppm	2	2	Discharge from metal refineries
CHROMIUM	2/22/2005	1.5	1.5	ppb	100	100	Discharge from steel and pulp mills
FLUORIDE	2/22/2005	0.28	0.15 - 0.28	ppm	4	4	Natural deposits; water additive which promotes strong teeth
NITRATE (AS N)	5/9/2006	7.2	4.8 - 7.2	ppm	10	10	Runoff from fertilizer use
SELENIUM	2/22/2005	4.7	4.5 - 4.7	ppb	50	50	Erosion of natural deposits
TURBIDITY	2/22/2005	0.18	0.18	NTU	1		Soil runoff

Nitrate in drinking water at levels above 10 ppm is a health risk for infants of less than six months of age. High nitrate levels in drinking water can cause blue baby syndrome. Nitrate levels may rise quickly for short periods of time because of rainfall or agricultural activity. If you are caring for an infant, you should ask for advice from your health care provider.

Lead and Copper	Monitoring Period	90 TH Percentile	Range	Unit	AL	Sites Over AL	Typical Source
COPPER	2005 - 2007	1.1	0.07	ppm	1.3	0	Corrosion of household plumbing systems
LEAD	2005 - 2007	2.4	1.5	ppb	15	0	Corrosion of household plumbing systems

Radionuclides	Collection Date	Highest Value	Range	Unit	MCL	MCLG	Typical Source
RADIUM, COMBINED (226, 228)	7/9/2004	1.1	1.1	pCi/l	5	0	Erosion of natural deposits
RADIUM-228	7/9/2004	1.1	1.1	PI/C/L	5	0	

Secondary Contaminants	Collection Date	Highest Value	Range	Unit	SMCL
ALKALINITY, TOTAL	2/22/2005	270	240 - 270	MG/L	300
CALCIUM	2/22/2005	89	86 - 89	MG/L	200
CHLORIDE	2/22/2005	12	12	MG/L	250
CONDUCTIVITY	2/22/2005	600	580 - 600	UMHOS/CM	1500
CORROSIVITY	2/22/2005	0.62	0.43 - 0.62	LANG	0
HARDNESS, TOTAL (AS CaCO3)	2/22/2005	270	260 - 270	MG/L	400
MAGNESIUM	2/22/2005	14	9.5 - 14	MG/L	150
NICKEL	2/22/2005	0.0028	0.0024 - 0.0028	MG/L	0.1
PH	2/22/2005	7.9	7.7 - 7.9	PH	8.5
PHOSPHORUS	2/22/2005	0.067	0.05 - 0.067	MG/L	5
POTASSIUM	2/22/2005	0.72	0.59 - 0.72	MG/L	100
SILICA	2/22/2005	28	25 - 28	MG/L	50
SODIUM	2/22/2005	28	22 - 28	MG/L	100
SOLIDS, TOTAL DISSOLVED (TDS)	2/22/2005	370	370	MG/L	500
SULFATE	2/22/2005	33	24 - 33	MG/L	250
ZINC	2/22/2005	0.014	0.0087 - 0.014	MG/L	5

During the 2006 calendar year, we failed to monitor for the Total Coliform Rule in November 2006. Some of the water supply is purchased from the Board of Public Utilities, Kansas City, KS. The testing results for that system are listed in the table below. BPU had no violations of drinking water regulations in 2006.

Regulated Contaminants	Date	Water System	Highest Value	Range	Unit	MCL	MCLG	Typical Source
BARIUM	4/26/2006	KC BOARD OF PUBLIC UTILITIES	0.16	0.16	ppm	2	2	Discharge from metal refineries;
FLUORIDE	1/10/2006	KC BOARD OF PUBLIC UTILITIES	0.94	0.93 - 0.94	ppm	4	4	Natural deposits; Water additive which promotes strong teeth.
NITRATE (AS N)	4/26/2006	KC BOARD OF PUBLIC UTILITIES	1.5	1.5	ppm	10	10	Runoff from fertilizer use

Secondary Contaminants	Collection Date	System	Highest Value	Range	Unit	SMCL
ALKALINITY, TOTAL	4/26/2006	KC BOARD OF PUBLIC UTILITIES	181	181	MG/L	300
CALCIUM	4/26/2006	KC BOARD OF PUBLIC UTILITIES	0.075	0.075	MG/L	200
CARBON, TOTAL ORGANIC (TOC)	5/1/2005	KC BOARD OF PUBLIC UTILITIES	19	1.9 - 19	ppm	10000
CHLORIDE	4/26/2006	KC BOARD OF PUBLIC UTILITIES	29	29	MG/L	250
CONDUCTIVITY	4/26/2006	KC BOARD OF PUBLIC UTILITIES	796	796	UMHOS/CM	1500
HARDNESS, TOTAL (AS CaCO3)	4/26/2006	KC BOARD OF PUBLIC UTILITIES	290	290	MG/L	400
MAGNESIUM	4/26/2006	KC BOARD OF PUBLIC UTILITIES	25	25	MG/L	150
NICKEL	4/26/2006	KC BOARD OF PUBLIC UTILITIES	0.0061	0.0061	MG/L	0.1
PH	4/26/2006	KC BOARD OF PUBLIC UTILITIES	7.7	7.7	PH	8.5
PHOSPHATE (AS PO4)	4/26/2005	KC BOARD OF PUBLIC UTILITIES	1.04	0.796 - 1.04	MG/L	
POTASSIUM	4/26/2006	KC BOARD OF PUBLIC UTILITIES	5.8	5.8	MG/L	100
SILICA	8/23/2005	KC BOARD OF PUBLIC UTILITIES	16	16	MG/L	50
SILVER	4/26/2006	KC BOARD OF PUBLIC UTILITIES	0.0011	0.0011	MG/L	0.1
SODIUM	4/26/2006	KC BOARD OF PUBLIC UTILITIES	45	45	MG/L	100
SOLIDS, TOTAL DISSOLVED (TDS)	4/26/2006	KC BOARD OF PUBLIC UTILITIES	462	462	MG/L	500
SULFATE	4/26/2006	KC BOARD OF PUBLIC UTILITIES	150	150	MG/L	250

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