MAYWOOD MUTUAL WATER COMPANY No. I **2009 CONSUMER CONFIDENCE REPORT**

Results are from the most recent testing performed in accordance with state and federal drinking water regulations. The State allows the monitoring for some contaminants less than once per year because the concentrations of these contaminants do not change frequently. Some of the data, though representative, are more than one year old.

PRIMARY STANDARDS MONITORED AT THE SOURCE - MANDATED FOR PUBLIC HEALTH

ORGANIC	GROUN	DWATER	MWD'S SUR	FACE WATER	PRIMARY	MCLG	
CHEMICALS	AVERAGE	RANGE	AVERAGE	RANGE	MCL	or PHG	MAJOR SOURCES IN DRINKING WATER
	(a)	(a)	(a)	(a)			
INORGANIC Sampled from 2007 to 200	09 (b)						
Aluminum (mg/l)	0.01	ND - 0.02	0.14	ND - 0.24	1	0.6 (c)	Erosion of natural deposits; residue from surface water treatment processes
Arsenic (µg/I)	ND	ND	2.5	ND - 3.9	10	0.004	Erosion of natural deposits; glass/eletronics production wastes; runoff
Barium (mg/l)	0.15	0.12 - 0.16	0.08	ND - 0.14	1	2 (c)	Oil drilling waste and metal refinery discharge; erosion of natural deposits
Fluoride (mg/l) (l)	0.43	0.42 - 0.44	0.80	0.6 - 1.0	2.0	1 (c)	Erosion of natural deposits; water additive that promotes strong teeth
Nitrate (mg/l as NO3)	1.40	ND - 2.80	2.30	0.9 - 4.2	45	45 (c)	Runoff and leaching from fertilizer use/sepic tanks/sewage, natural erosion
Perchlorate (ug/l)	ND	ND	ND	ND	6	6	Perchloate is an inorganic chemical used in solid rocket propellant, fireworks, explosives, flares, matches and a variety of industries. It usually gets into drinking water as a result of environmental contamination from historic aerospace or other industrial operations that used or use, store or dispose of prechlorate and its salts.

RADIOLOGICAL - (pCi/l) Analyzed 4 cor	nsecutive quar	rters every 4 y	vears (results are	e from 2006 to 20	009) (b)		
Gross Alpha	0.4	0.4	4.7	ND - 9.3	15 (c)	0	Erosion of natural deposits
Gross Beta	NA	NA	2.8	ND - 9.7	50 (e)	0	Decay of natural and man made deposits
Radium 226	NA	NA	ND	ND	5 (d)	0.05	Erosion of natural deposits
Radium 228	0.83	ND - 1.7	ND	ND	5 (d)	0.019	Erosion of natural deposits
Uranium	0.75	ND - 1.5	2.7	1.6 - 3.7	20 (e)	0.43 (c)	Erosion of natural deposits

PRIMARY STANDARDS MONITORED AT THE DISTRIBUTION SYSTEM - MANDATED FOR PUBLIC HEALTH

	DISTRIBU	TION SYSTEM	PRIMARY	MCLG	
MICROBIALS	AVERAGE # POSITIVE	RANGE OF # POSITIVE	MCL	or PHG	
Total Coliform Bacteria	0	0	< 1 positive	0	Naturally present in the environment
Fecal Coliform and E. Coli Bacteria	0	0	0	0	Human and animal fecal waste
No. of Acute Violations	0	0	-	-	

MICROBIALS AVERAGE RANGE	DISTRIBUTION SYSTEM	
	AVERAGE RANGE	
Turbidity (NTU) 0.3 < 0.1 - 1.2	0.3 < 0.1 - 1.2 TT - Soil	Soil runoff

Г	DISINFECTION BY-PRODUCTS	DISTRIBU	JTION SYSTEM	PRIMARY	MCLG	
	AND DISINFECTION RESIDUALS (f)	AVERAGE	RANGE	MCL	or PHG	
	Total Trihalomethanes - TTHMS (µg/l)	46.4	ND - 20.9	80	-	By-product of drinking water chlorination
	Haloacetic Acids (µg/I)	14.9	ND - 3.6	60	-	By-product of drinking water disinfection
Г	Total Chlorine Residual (mg/l)	0.6	0.57 - 0.75	4.0 (g)	4.0 (h)	Drinking water disinfection added for treatment

Γ	AT THE TAP	DISTRIBU	TION SYSTEM			
	PHYSICAL CONSTITUENTS 25 sites sampled in 2007	90%ile	# OF SITES ABOVE THE AL	PRIMARY MCL	MCLG or PHG	
Γ	Copper (mg/l)	ND (i)	0	1.3 AL	0.17 (c)	Internal corrosion of household plumbing, erosion of natural deposits
Г	Lead (µg/l)	ND (i)	0	15 AL	2 (c)	Internal corrosion of household plumbing, industrial manufacturer discharges

SECONDARY STANDARDS MONITORED AT THE SOURCE - FOR AESTHETIC PURPOSES

lustrially-influenced balance of hydrogen/carbon/oxygen in water
natural deposits, surface water treatment process residue
aching from natural deposit, seawater influence
occurring organic materials
s that form ions when in water; seawater influence
rom natural deposits; industrial wastes
lustrial-influenced balance of hydrogen/carbon/oxygen in water
from natural deposits
occurring organic materials
aching from natural deposits, industrial wastes
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SECONDARY STANDARDS MONITORED AT THE DISTRIBUTION SYSTEM - FOR AESTHETIC PURPOSES

ſ	GENERAL PHYSICAL	DISTRIBU	TION SYSTEM	SECONDARY	MCLG	
	CONSTITUENTS	AVERAGE	RANGE	MCL	or PHG	
- [Color (color units)	6	< 3 - 10			Naturally - occurring organic materials
[Odor (threshold odor number)	1	1.0			Naturally - occurring organic materials
						NOTE

ADDITIONAL CHEMICALS OF INTEREST

Sampled in 2007 - 2009 (b)				
	GROUNI	OWATER	MWD'S SURI	FACE WATER
	AVERAGE	RANGE	AVERAGE	RANGE
Alkalinity (mg/l)	160	150 - 180	110	84 - 130
Boron (μg/l)	180	180	153	120 - 220
Bromate (µg/I)	NA	NA	NA	NA
Calcium (mg/l)	66.7	63 - 71	56	27 - 76
Magnesium (mg/l)	15	14 - 16	22.3	11 - 30
N-Nitrosodimethylamine (ng/l)	NA	NA	2.03	ND - 5.1
pH (standard unit)	7.7	7.5 - 7.9	8.0	7.8 - 8.0
Potassium (mg/l)	3.7	3.6 - 3.7	4.1	2.6 - 5.3
Sodium (mg/l)	54	53 - 55	88.3	66 - 100
Total Hardness (mg/l)	230	210 - 240	230	120 - 310
Total Organic Carbon (mg/l)	1.1	1.1	2.1	1.2 - 2.6
Vanadium (µg/l)	ND	ND	4.2	ND - 6.7

FOOTNOTES

(a) Over 50 regulated and unregulated organic chemicals were analyzed. None were detected at or above the reporting limit in groundwater or surface water sources.

(b) Indicates dates sampled for groundwater sources only.

ABBREVIATIONS

ABBREVIATIONS: NA = constituent not analyzed • NTU = nephelometric trubidity umhos/cm = microhos per centimeter • ND = constituent not detected at the reporting limit < = less than • SI = saturation index • pCi/I = picoCuries per liter</pre> (equivalent to 1 drop in 42 gallons) **mg/l** = milligrams per liter or parts per million . $\mu g/l =$ micrograms per liter or parts per billion . (equivalent to 1 drop in 42,000 gallons) (equivalent to 1 drop in 42,000,000 gallons) **ng/I** = nanograms per liter or parts per trillion . . .

- (c) California Public Health Goal (PHG). Other advisory levels listed in this column are federal Maximum Contaminant Level Goals (MCLGs).
- (d) Combined Radium 226 + Radium 228 has a Maximum Contaminant Level (MCL) of 5 pCi/L.
- (e) MCL compliance based on 4 consecutive quarters of sampling.
- (f) Running annual average used to calculate average, range, and MCL compliance.
- Maximum Residual Disinfectant Level (MRDL) (g)
- (h) Maximum Residual Disinfectant Level Goal (MRDLG)
- (i) 90th percentile from the most recent sampling at selected customer taps.
- (j) Aluminum has primary and secondary standards.
- The secondary MCL for manganese was exceeded in 1 well in 2009. Manganese has been detected at elevated levels since 1995 and has been monitored monthly or quarterly since. Groundwater is blended with surface water before delivery to the customer, which dilutes the amount of manganese actually reaching the tap. Manganese samples taken weekly in the distribution system averaged well below regulatory limits. The manganese MCL is set to protect against unpleasant effects such as color, taste, odor, and staining of laundry/plumbing fixtures. A manganese secondary MCL exceedance does not pose a health risk.
- MWD started adding flouride at each treatment plant in the fall of 2007. MWD was in **(I)** compliance with the provisions of the State's requirements.

DEFINITIONS

DEFINITIONS: Maximum Contaminant Level (MCL): The highest level of a contaminant that is allowed in drinking water. Primary MCLs are set as close to the PHGs (or MCLGs) as is economically and technologically feasible. Secondary MCLs are set to protect the odor, taste, and appearance of drinking water. Maximum Contaminant Level Goal (MCLG): The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs are set by the U.S. Environmental Protection Agency. Maximum Residual Disinfectant Level (MRDL): The level of a disinfectant added for water treatment that may not be exceeded at the consumer's tap. Maximum Residual Disinfectant Level Goal (MRDLG): The level of a disinfectant added for water treatment below which there is no known or expected risk to health. MRDLGs are set by the U.S. Environmental Protection Agency. Public Health Goal (PHG): The level of a contaminant in drinking water below which there is no known or expected risk to health. PHGs are set by the California Environmental Protection Agency. Treatment Technique (TT): A required process intended to reduce the level of a contaminant in drinking water. Regulatory Action Level (AL): The concentration of a contaminant which, if exceeded, triggers treatment or other requirements that a water system must follow. Primary Drinking Water Standard (PDWS): MCLs and MRDLs for contaminants that affect health along with their monitoring and reporting requirements, and water treatment requirements.

Results are from the most recent testing performed in accordance with state and federal drinking water regulations. The State allows the City to monitor for some contaminants less than once per year because the concentrations of these contaminants do not change frequently. Some of the data, though representative, are more than one year old.

PRIMARY STANDARDS MONITORED AT THE SOURCE-MANDATED FOR PUBLIC HEALTH

ORGANIC	GROUN	DWATER	MWD'S SURE	ACE WATER	PRIMARY	MCLG	MAJOR SOURCES IN DRINKING WATER
CHEMICALS (µg/t)	AVERAGE	RANGE	AVERAGE	RANGE	MCL	or PHG	
	(a)	(a)	(a)	(a)		l	
				12-12-11-11-12-14-14-14-14-14-14-14-14-14-14-14-14-14-			,
INORGANICS Sampled from 2	007 to 2009 (b)						
Aluminum (mg/l)	0.01	ND - 0.02	0.14	ND-0.24	1	0.6 (c)	Erosion of natural deposits; residue from surface water treatment processes
Arsenic (µg/l)	ND	ND	2.5	ND-3.9	10	0.004	Erosion of natural deposits; glass/electronics production wastes; runoff
Barium (mg/l)	0.15	0.12-0.16	0.08	ND-0.14	1	2 (c)	Oil drilling waste and metal refinery discharge; erosion of natural deposits
Fluoride (mg/l) (l)	0.43	0.42-0.44	0.80	0.6-1.0	2.0	* 1 (c)	Erosion of natural deposits, water additive that promotes strong teeth
Nitrate (mg/Las NO3)	1.40	ND - 2.8	2.30	0.9 - 4.2	45	, 45 (c)	Runoff and leaching from fertilizer use/septic tanks/sewage, natural erosion
Perchlorale (µg/l)	ND	ND	NÐ	ND	6	6	Perchlorate is an inorganic chemical used in solid rocket propellant, fireworks, explosives, flares, matches, and a variety of industries. It usually gets into drinking water as a result of environmental contamination from historic aerospace or other industrial operations that used or use, store, or dispose of perchlorate and its salts.

RADIOLOGICAL - (pCi/I) Analyzed 4 consecutive of	uarters every 4 y	rears (results are	from 2006 to 2009) (b)			
Gross Alpha	0.4	0.4	4.7	ND-9.3	15 (e)	0	Erosion of natural deposits
Gross Beta	NA	NA	2.8	ND-9.7	50 (e)	0	Decay of natural and man-made deposits
Radium 226	NA	NA	ND	ND	5 (d)	0.05	Erosion of natural deposits
Radium 228	0.83	ND - 1.7	ND	ND	5 (u)	0.019	Erosion of natural deposits
Uranium	0.75	ND-1.5	2.7	1.6-3.7	20 (e)	0.43 (c)	Erosion of natural deposits

PRIMARY STANDARDS MONITORED IN THE DISTRIBUTION SYSTEM - MANDATED FOR PUBLIC HEALTH

	DISTRIBU	TION SYSTEM	PRIMARY	MCLG	
MICROBIALS	AVERAGE # POSITIVE	RANGE OF # POSITIVE	MCL	or PHG	
Total Coliform Bacteria	0	0	< 1 positive	0	Naturally present in the environment
Fecal Coliform and E.Coli Bacteria	0	0	0	0	Human and animal fecal waste
No. of Acute Violations	0	Ö	-	-	
	the second se	TION SYSTEM			
MICROBIALS	AVERAGE	RANGE			
Turbidity (NTU)	0.3	<0.1 - 1.2	TT	-	Soil runoff
			D D D D D D D D D D D D D D D D D D D	1 1401.0	1
DISINFECTION BY-PRODUCTS			PRIMARY	MCLG	
AND DISINFECTION RESIDUALS (f)	AVERAGE	RANGE	MCL	or PHG	
		ND - 20.9	80		By-product of drinking water chlorination
Total Trihalomethanes-TTHMS (µg/l)	46.4	ND - 20.9	00		
Total Trihalomethanes-TTHMS (μg/l) Haloacetic Acids (μg/l)	46.4	ND - 3.6	60		By-product of drinking water disinfection

ΑΤ ΤΗΕ ΤΑΡ	DISTRIBL	JTION SYSTEM	PRIMARY	MCLG	
PHYSICAL CONSTITUENTS	90%ile	# OF SITES ABOVE THE AL			
25 sites sampled in 2007	307000	# OF SHED ADOVE THE AC	MCL	or PHG	
Copper (mg/l)	ND(i)	0 .	1.3 AL		Internal corrosion of household plumbing, erosion of natural deposits
Lead (µg/l)	ND(i)	0	15 AL	2 (c)	Internal corrosion of household plumbing, industrial manufacturer discharges

SECONDARY STANDARDS MONITORED AT THE SOURCE-FOR AESTHETIC PURPOSES

Sampled from 2007 to	o 2009 (b)
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	GROUN	GROUNDWATER MWD'S SURFACE		FACE WATER	TER SECONDARY MCLG		
· · · · · · · · · · · · · · · · · · ·	AVERAGE	RANGE	AVERAGE	RANGE	MCL.	or PHG	
Aggressiveness Index (corrosivity)	12.8	12.4-13	12.1	12.0-12.4	Non-corrosive	-	Natural/industrially-influenced balance of hydrogen/carbon/oxygen in water
Aluminum (µg/l) (j)	6	ND - 18	135	ND - 240	200	600 (c)	Erosion of natural deposits, surface water treatment process residue
Chloride (mg/l)	54.3	50-58	91	77 - 100	500		Runolf/leaching from natural deposits, seawater influence
Color (color units)	ND	ND	2	1 - 2	15	-	Naturally-occurring organic materials
Conductivity (uS/cm)	680	660-700	863.3	570 - 1100	1,600	-	Substances that form ions when in water, seawater influence
Iron (ug/l)	74.9	ND - 200	ND	ND	300	· -	Leaching from natural deposits; industrial wastes
Langlier Index (corrosivity) (SI)	0.46	0.46	NA	NA	Non-corrosive	-	Natural/industrially-influenced balance of hydrogen/carbon/oxygen in water
Manganese (µg/l)	41.1	ND-92 (k)	ND	ND	50	+	Leaching from natural deposits
Odor (threshold odor number)	0.5	ND-1	2	2.0	3	-	Naturally-occurring organic materials.
Sulfate (mg/l)	106.7	100-120	182	56 - 260	500	-	Runoff/leaching from natural deposits, industrial wastes
Total Dissolved Solids (mg/l)	396.7	370-420	520	310 - 660	1,000	-	Runoff/leaching from natural deposits
Turbidity (NTU)	0.24	ND-0.85	0.05	0.04-0.06	5	-	Soil runoff

SECONDARY STANDARDS MONITORED IN THE DISTRIBUTION SYSTEM-FOR AESTHETIC PURPOSES

GENERAL	DISTRIBUTION SYSTEM		SECONDARY	MCLG	
PHYSICAL CONSTITUENTS	AVERAGE RANGE		MCL.	or PHG	
Color (color units)	6	<3 - 10	15	-	Naturally-occurring organic materials
Odor (threshold odor number)	1	1.0	3	-	Naturally-occurring organic materials

ADDITIONAL CHEMICALS OF INTEREST

Sampled in 2007 - 2009 (b)

	GROUN	DWATER	MWD'S SURFACE WATER		
	AVERAGE	RANGE	AVERAGE	RANGE	
Alkalinity (mg/l)	160	150-180	110	84 - 130	
Boron (µg/l)	180	180	153	120 - 220	
Bromate (µg/I)	NA	NA	NA	NA	
Calcium (mg/l)	66.7	63-71	56	27-76	
Magnesium (mg/l)	15	14-16	22.3	11-30	
N-Nitrosodimethylamine (ng/l)	NA	NA	2.03	ND - 5.1	
pH (standard unit)	7.7	7.5-7.9	8.0	7.8-8.0	
Potassium (mg/l)	3.7	3.6-3.7	4.1	2.6-5.3	
Sodium (mg/l)	54	53-55	88.3	66-100	
Total Hardness (mg/l)	230	210-240	230	120-310	
Total Organic Carbon (mg/l)	1.1	1.1	2.1	1.2-2.6	
Vanadium (µg/l)	ND	ND	4.2	ND-6.7	

FOOTNOTES

TOOTNOTLO	
(a) Over 50 regulated and unregulated organic chemicals were analyzed. None were	
detected at or above the reporting limit in groundwater or surface water sources.	
(b) Indicates dates sampled for groundwater sources only.	
(c) California Public Health Goal (PHG). Other advisory levels listed in this column are	
federal Maximum Contaminant Level Goals (MCLGs).	
(d) Combined Radium 226 + Radium 228 has a Maximum Contaminant Level (MCL) c	of 5 pCi/L.
(e) MCL compliance based on 4 consecutive quarters of sampling.	
(f) Running annual average used to calculate average, range, and MCL compliance.	
(g) Maximum Residual Disinfectant Level (MRDL)	
(h) Maximum Residual Disinfectant Level Goal (MRDLG)	

ABBREVIATIONS

NA = constituent not analyzed	uS/cm = microSiemens per centimeter
NTU = nephelometric turbidity units	ND = constituent not detected at the reporting limit
< = less than	mg/l = milligrams per liter or parts per million (equivalent to 1 drop in
SI = saturation index	ng/I = nanograms per fiter or parts per trillion (equivalent to 1 drop in
pCi/l = picoCuries per liter	μg/l = micrograms per liter or parts per billion (equivalent to 1 drop in 42,000 gatlons)

 90th percentile from the most recent sampling at selected customer taps.
Aluminum has primary and secondary standards.
Aluminum has primary and secondary standards.
The secondary MCL for manganese was exceeded in 1 well in 2009
Manganese has been detected at elevated levels since 1995 and has been monitored monthly or quarterly since. Groundwater is blended with surface water before delivery to the customer, which dilutes the amount of manganese actually reaching the tap. Manganese samples taken weekly in the distribution system averaged well below regulatory limits. The manganese secondary MCL is set to protect against unpleasant effects such as color, taste, odor, and staining of laundry/plumbing fixtures.
A manganese secondary MCL exceedance does not pose a health risk.
MWD started adding flouride at each treatment plant in fall 2007. MWD was in compliance with the provisions of the State's requirements

DEFINITIONS

Maximum Contaminant Level (MCL) : The highest level of a contaminant that is allowed in drinking water. Primary MCLs are set as close to the PHGs (or MCLGs) as is economically and technologically feasible. Secondary MCLs are set to protect the odor, taste, and appearance of drinking water.

Maximum Contaminant Level Goal (MCLG): The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs are set by the U.S. Environmental Protection Agency.

Maximum Residuel Disinfectant Level (MRDL): The highest level of a disinfectant allowed in drinking water. There is convincing evidence that addition of a disinfectant is necessary for control of microbial contaminants. Maximum Residuel Disinfectant Level Goal (MRDLG): The level of a drinking water disinfectant below which there is no known or expected risk to health. MRDLGs do not reflect the benefits of the use of disinfectants to control microbial contaminants.

Public Health Goal (PHG) : The level of a contaminant in drinking water below which there is no known or expected risk to health. PHGs are set by the California Environmental Protection Agency.

Treatment Technique (TT) : A required process intended to reduce the level of a contaminant in drinking water.

Regulatory Action Level (AL) : The concentration of a contaminant which, if exceeded, triggers treatment or other requirements that a water system must follow.

Primary Drinking Water Standard (PDWS) : MCLs and MRDLs for contaminants that affect health along with their monitoring and reporting requirements, and water treatment requirements.

Secondary Water Standard (SDWS) : MCLs and MRDLs for contaminants that affect the aesthetic qualities of water.