

CONSUMER CONFIDENCE REPORT 2010

FOR SAN JOAQUIN COUNTY WATER SYSTEMS

Water System Name: Morada Estates North Water System CSA46

Report Date: 07/11

Type of Water Source(s) in Use: Groundwater wells

Name of Source(s) in Use: Well #1, 2, and 3

Drinking Water Source Assessment Information: A source water assessment for the well of the Morada Estates North PWS water system was completed in July 2002. The source is considered most vulnerable to the following activities associated with contaminants detected in the water supply: There have been no contaminants detected in the water supply, however the source is still considered vulnerable to activities located near the drinking water source. The source is considered most vulnerable to the following activities not associated with any detected contaminants: Automobile (gas stations), Chemical/petroleum/processing/storage, Known contaminant plumes), Septic systems (high density), Transportation corridors (railroads), Underground storage tanks (confirmed leaking tanks), Wells (water supply).

Table #1: Sampling Results Showing Detection of Coliform Bacteria

MICROBIOLOGICAL CONTAMINANTS	HIGHEST NO. of DETECTIONS	NO. of MOS. in VIOLATION	MCL	MCLG	TYPICAL SOURCE OF BACTERIA
Tot. Coliform Bacteria	0 (highest in month)	0	> 1	0	Naturally present in environment
Fecal Coliform and <i>E. coli</i>	0 (year total)	0	> 1	0	Human and animal fecal waste

Table #2: Sampling Results Showing Detection of Lead and Copper

LEAD and COPPER	NO. of SAMPLES	90 TH Percentile LEVEL	NO. SITES > AL	AL	MCLG	TYPICAL SOURCE OF CONTAMINANT
Lead (ppb)	5	2.1	0	15	2	Internal corrosion of household water plumbing systems; discharge from industrial manufacturers; erosion of natural deposits
Copper (ppb)	5	176.5	0	1300	170	Internal corrosion of household water plumbing systems; erosion of natural deposits; leaching from wood preservatives

Table #3: Sampling Results Showing Detection of Sodium and Hardness

CHEMICAL OR CONSTITUENT	SAMPLE DATE	LEVEL DETECTED	RANGE OF DETECTIONS	MCL	PHG (MCLG)	TYPICAL SOURCE OF CONTAMINANT
Sodium (ppm)	2009	4.3			4-5	none none Generally found in ground and surface water
Hardness (ppm)	2009	101.8	87.7-120			none none Generally found in ground and surface water

Table #4: Detection of Contaminants with a PRIMARY Drinking Water Standard

CHEMICAL OR CONSTITUENT	SAMPLE DATE	LEVEL DETECTED	RANGE OF DETECTIONS	MCL	PHG (MCLG)	TYPICAL SOURCE OF CONTAMINANT
Gross Alpha Activity (pCi/L)	2010	2.134	0.000 - 8.08	15	N/A	Erosion of natural deposits
Radium 228 (pCi/L)	2006	0.05	0.00-0.29	5	N/A	Erosion of natural deposits
Uranium (pCi/L)	2010	8.70	7.93 - 9.47	20	N/A	Erosion of natural deposits
Arsenic (ppb)	2009	3	3-3	10	0.004	Erosion of natural deposits; run-off from orchards; glass and electronics production wastes
Barium (ppb)	2009	69.1	62.1-82.2	1000	2	Oil drilling and metal refinery waste discharge; erosion of natural deposits
Chromium (ppb)	2009	7	5-8	50	2.5	Discharge from steel & pulp mills & chrome plating; erosion of natural deposits
Lead (ppb)	2009	0.6	0.3-1.0	50	2	Internal corrosion of household water plumbing systems; discharges from industrial manufacturers; erosion of natural deposits
Nitrate (ppm)	2010	3.93	1.7- 7.6	45	45	Run-off and leaching from fertilizer use; leaching from septic tanks; sewage; erosion of natural deposits

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CHEMICAL OR CONSTITUENT	SAMPLE DATE	LEVEL DETECTED	RANGE OF DETECTIONS	MCL	PHG (MCLG)	TYPICAL SOURCE OF CONTAMINANT
Sodium (ppm)	2009	4.3	4–5	none	none	Generally found in ground and surface water
Hardness (ppm)	2009	101.8	87.7–120		none	none Generally found in ground and surface water

Table #4: Detection of Contaminants with a PRIMARY Drinking Water Standard

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