

# CONSUMER CONFIDENCE REPORT 2010

## FOR SAN JOAQUIN COUNTY WATER SYSTEMS

**Water System Name:** Wilkinson Manor Water System

**Report Date:** 07/11

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

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

**Drinking Water Source Assessment Information:** An assessment of the drinking water sources for San Joaquin County – Wilkinson Manor water system was completed in March 2001. The sources are considered most vulnerable to the following activities: dry cleaners, septic systems, and historic gas stations.

**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 <sup>TH</sup> Percentile LEVEL	NO. SITES > AL	AL	MCLG	TYPICAL SOURCE OF CONTAMINANT
Lead (ppb)	10	2.1	0	15	2	Internal corrosion of household water plumbing systems; discharge from industrial manufacturers; erosion of natural deposits
Copper (ppb)	10	28	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)	2010	14			11–17	none none Generally found in ground and surface water
Hardness (ppm)	2010	182.5	120–245		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)	2009	7.54	–	15	N/A	Erosion of natural deposits
Radium 228 (pCi/L)	2006	0.07	0.00–0.13	5	N/A	Erosion of natural deposits
Uranium (pCi/L)	2009	5.00	–	20	N/A	Erosion of natural deposits
Arsenic (ppb)	2010	2	2–2	10	N/A	Erosion of natural deposits; run-off from orchards; glass and electronics production wastes
Barium (ppb)	2010	113.5	75–152	1000	2	Oil drilling and metal refinery waste discharge; erosion of natural deposits
Chromium (ppb)	2010	5.5	4–5	50	2.5	Discharge from steel & pulp mills & chrome plating; erosion of natural deposits
Fluoride (ppm)	2010	0.05	ND–0.1	2	1	Erosion of natural deposits; water additive (strong teeth); discharge from fertilizer and aluminum factories
Lead (ppb)	2010	0.4	0.3–0.5	50	2	Internal corrosion of household water plumbing systems; discharges from industrial manufacturers; erosion of natural deposits
Nickel (ppb)	2010	0.5	ND–1	100	100	Erosion of natural deposits; discharge from metal factories
Nitrate (ppm)	2010	13.2	6.6– 19.7	45		Run-off and leaching from fertilizer use; leaching from septic tanks; sewage; erosion of natural deposits
Tetrachloroethylene (ppb) (PCE)	2008-10	4.3	ND–8.3	5	.8	Discharge from factories; dry cleaners and auto shops (metal degreaser)
Trichloroethylene (ppb) (TCE)	2010	0.5	ND–1.0	5	1.7	Discharge from factories; dry cleaners and auto shops (metal degreaser)
cis-1,2-Dichloroethylene	2010	0.7	0.5–0.9	6	100	Discharge from industrial chemical factories; major biodegradation byproduct of TCE and PCE groundwater contamination
TTHM (ppb) (Total trihalomethanes)	2010	1.7	–	80	N/A	By-product of drinking water chlorination

**Table #5: Detection of Contaminants with a SECONDARY Drinking Water Standard**

CHEMICAL OR CONSTITUENT	SAMPLE DATE	LEVEL DETECTED	RANGE OF DETECTIONS	MCL	PHG (MCLG)	TYPICAL SOURCE OF CONTAMINANT
Aluminum (ppb)	2010	35	ND-70	200	N/A	Erosion of natural deposits; residual from some surface water treatment processes
Corrosivity	2010	-0.30	-0.6- 0.007	Non-corrosive	N/A	Natural or industrially influenced balance of hydrogen, carbon and oxygen in the water; affected by temperature and other factors
Total Dissolved Solids (TDS) (ppm)	2010	295	230-360	1000	N/A	Run-off/leaching from natural deposits
Specific Conductance (microohms)	2010	440.5	324-557	1600	N/A	Substances that form ions when in water; seawater influence
Chloride (ppm)	2010	16	12-20	500	N/A	Substances that form ions when in water; seawater influence
Copper (ppm)	2010	0.015	ND-0.03	1.0	N/A	Internal corrosion of household plumbing systems; erosion of natural deposits; leaching from wood preservatives
Color (units)	2010	9.5	9-10	15	N/A	Naturally-occurring organic materials
Iron (ppb)	2010	130	ND-260	300	N/A	Substances that form ions when in water; industrial wastes
Sulfate (ppm)	2010	15.5	10-21	500	N/A	Leaching from natural deposits; industrial wastes
Turbidity (units)	2010	0.15	ND-0.3	5 units	N/A	Soil run-off

**Table #6: Detection of UNREGULATED Contaminants**

CHEMICAL OR CONSTITUENT	SAMPLE DATE	RANGE OF DETECTIONS	NOTIFICATION LEVEL	HEALTH EFFECTS LANGUAGE
Dichlorodifluoromethane (Freon 12)(ppb)	2008-10	ND-80.3	1000	Some people who drink water containing dichlorodifluoromethane far in excess of the notification level may experience neurological and cardiac effects. Long-term exposures to dichlorodifluoromethane resulted in smaller body weight in laboratory animals.
Vanadium (ppb)	2010	23-24	50	The babies of some pregnant women who drink water containing vanadium in excess of the notification level may have an increased risk of developmental defects (based on studies in laboratory animals)

Drinking water is tested for quality for many constituents as required by State and Federal regulations. This report shows the results of our monitoring for the period of Jan. 1 thru Dec. 31, 2010.

*A copy of the complete assessment is available at:*

Department of Health Services, Drinking Water Field Operations Branch  
Stockton District Office, 31 E. Channel Street, Room 270, Stockton, California 95202, or

San Joaquin County – Utility Maintenance District  
P. O. Box 1810, Stockton, California 95201

*You may request a summary of the assessment be sent to you by contacting:*

David Remick, at (209) 948-7696, or  
Mr. Ron Rall at the San Joaquin County – Utility Maintenance District at (209) 468-3090.