

# CONSUMER CONFIDENCE REPORT 2010

## FOR SAN JOAQUIN COUNTY WATER SYSTEMS

**Water System Name:** Lincoln Village Water System

**Report Date:** 07/11

**Type of Water Source(s) in Use:** Three metered connections to the City of Stockton Municipal Utilities (COS) in which treated surface water from the Stockton East Water District (SEWD) and ground water produced by wells operated by COS, is delivered to the Lincoln Village Maintenance District (LVMD).

**Name of Source(s) in Use:** Three metered connections

**Drinking Water Source Assessment Information:** N/A

**Table #1: Sampling Results Showing Detection of Coliform Bacteria (LVMD)**

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 (LVMD)**

LEAD and COPPER	NO. of SAMPLES	90 <sup>TH</sup> Percentile LEVEL	NO. SITES > AL AL		MCLG	TYPICAL SOURCE OF CONTAMINANT
Lead (ppb)	20	1.6	0	15	2	Internal corrosion of household water plumbing systems; discharge from industrial manufacturers; erosion of natural deposits
Copper (ppb)	20	41	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, Hardness and other Elements**

CHEMICAL OR CONSTITUENT	RANGE OF DETECTIONS	COS WELLS	SEWD	MCL	PHG (MCLG)	TYPICAL SOURCE OF CONTAMINANT
Sodium (ppm)	13 – 32	20	6	none	none	Generally found in ground and surface water
Hardness (ppm)	120 – 260	199	23.2	none	none	Generally found in ground and surface water
Calcium (ppm)	25 – 57	45	6	none	none	Generally found in ground and surface water
Magnesium (ppm)	11– 30	22	2	none	none	Generally found in ground and surface water
Potassium (ppm)	2.4 – 6.6	5.0	<1	none	none	Generally found in ground and surface water
Total Alkalinity (ppm)	120 – 230	173	30	none	none	Generally found in ground and surface water

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

CHEMICAL OR CONSTITUENT	RANGE OF DETECTIONS	COS (Wells)	SEWD (Surface)	MCL	PHG (MCLG)	TYPICAL SOURCE OF CONTAMINANT
Gross Alpha Activity (pCi/L)	<3.0– 8.89	3.98	<3.0	15	0	Erosion of natural deposits
Radium 228 (pCi/L)	<1.0 – 1.71	<1.0	N/A	N/A	0	Erosion of natural deposits
Uranium (pCi/L)	<1.0 –7.4	4.8	< 2	20	0	Erosion of natural deposits
Gross Beta Activity (pCi/L)	<4.0 – 7.52	N/A	< 4.0	2	0	Erosion of natural deposits
Arsenic (ppb)	2.4 – 7.5	4.7	< 2	10	N/A	Erosion of natural deposits; run-off from orchards; glass & electronics production waste
Barium (ppm)	< 0.1 – 0.21	0.15	< 0.1	1.0	2	Oil drilling and metal refinery waste discharge; erosion of natural deposits
Chromium (ppb)	< 10 – 14	< 10	< 10	50	100	Discharge from steel and pulp mills and chrome plating; erosion of natural deposits
Fluoride (ppm)	< 0.1 – 0.17	0.11	0.30	2	1	Erosion of natural deposits; water additive (strong teeth); discharge from fertilizer and aluminum factories
Nickel (ppb)	< 10 – 22	< 10	< 10	100	12	Erosion of natural deposits; discharge from metal factories
Nitrate (ppm)	3.5 – 24	12	< 2	45	45	Run-off and leaching from fertilizer use; leaching from septic tanks; sewage; erosion of natural deposits
COS Distribution						
TTHM (ppb) Distribution (Total Trihalomethanes)	< 0.5 –110	48	N/A	80	N/A	By-product of drinking water chlorination
HAA5 (ppb)	<2.0 –43.7	17.4	N/A	60	N/A	By-product of drinking water chlorination
Turbidity (units) **	–	–	–	0.25**	5	N/A Soil run-off

\*\* Highest single measurement for SEWD surface source, Percentage of samples less than 0.3 = 100%.

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

CHEMICAL OR CONSTITUENT	RANGE OF DETECTIONS	COS (Wells)	SEWD (Surface)	MCL	PHG (MCLG)	TYPICAL SOURCE OF CONTAMINANT
Chloride (ppm)	6.3 – 90	28	2	500	N/A	Substances that form ions when in water; seawater influence
Manganese (ppb)	< 20 – 31	<20	<20	50	N/A	Leaching from natural deposits
Specific Conductance (microohms)	285 – 852	496	79	1600	N/A	Substances that form ions when in water; industrial wastes
Sulfate (ppm)	13 – 44	28	7	500	N/A	Substances that form ions when in water; industrial wastes
Total Dissolved Solids (TDS) (ppm)	210 – 510	344	60	1000	N/A	Run-off/leaching from natural deposits

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

CHEMICAL OR CONSTITUENT	Range of DETECTIONS	AVG. OF DETECTIONS (COS)	AVG. OF DETECTIONS (SEWD)	NOTIFICATION LEVEL	HEALTH EFFECTS LANGUAGE
Boron (ppb)	<100 - 120	<100	<100	1000	The babies of some pregnant women who drink water containing boron in excess of the notification level may have an increased risk of developmental defects (based on studies in laboratory animals)
Vanadium (ppb)	13.0 - 30	24	<3.0	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.