

**2015  
CITY OF LEMOORE WATER TEST RESULTS**

CONSTITUENTS	YEAR	UNIT	MCL	PHG	MCLG	COL LEVEL		SOURCE OF LIKELY CONTAMINANT
	TESTED					DETECTED	RANGE	
<b>PRIMARY STANDARDS</b>								
Aluminum	2013	ppb	1000	NA	NA	415	170-640	Erosion of natural deposits.
Arsenic	2015	ppb	10	NA	NA	6.2	ND-25	Erosion of nature & industries.
Fluoride	2015	ppm	2	1	NA	0.9	.62 - 1.1	Erosion of nature & industries.
1,2-Dichlorobenze	2015	ppb	600	600	NA	4.7		Industrial discharge
Lead	2015	ppb	15	2	NA	3.3	3.3	Erosion of nature & plumbing system.
<b>SECONDARY STANDARDS</b>								
Color	2015	Units	15	NA	NA	25		Naturally occurring organic materials
Iron	2015	ppb	300	NA	NA	17		Erosion of nature & industries.
Turbidity	2015	Units	5	NA	NA	3		Erosion of natural deposits.
<b>GENERAL MINERALS</b>								
Bicarbonate	2015	mg/l	NA	no goal		190		Erosion of natural deposits.
Carbonate	2015	mg/l	NA	no goal		42		Erosion of natural deposits.
Calcium	2015	mg/l	NA	no goal		1.4		Erosion of natural deposits.
Magnesium	2015	mg/l	NA	no goal		0.2		Erosion of natural deposits.
Sodium	2015	mg/l	NA	no goal		170		Erosion of natural deposits.
Hardness	2015	mg/l	NA	no goal		4.3		Erosion of natural deposits.
PH	2015	Std Units	NA	no goal		9		
<b>SECONDARY STANDARDS</b>								
TDS	2015	ppm	1000	NA	NA	450		Erosion of natural deposits.
Specific Conductance	2015	umho/cm	1600	NA	NA	584	240-740	Substances that form ions in water
Chloride	2015	ppm	500	NA	NA	93		Erosion of natural deposits
Sulfate	2013	ppm	500	NA	NA	1.18	ND - 7.3	Erosion of natural deposits.
Manganese	2013	ppb				4	ND - 16	Erosion of natural deposits.
Copper	2015	ppb	1000			0.06	.05-.06	Erosion of natural deposits; pipe
<b>RADIOACTIVITY</b>								
Gross Alpha	2010-2014	pCi/L	15	no goal		7.4	3.44-16.65	Erosion of natural deposits.
Radium 226+228	2010-2013	pCi/L	5	no goal		1.16	.18-2.43	Erosion of natural deposits.
Uranium	2010-2013	pCi/L	20	no goal		3.76	1.24-5.61	Erosion of natural deposits.
<b>UNREGULATED CONTAMINANTS</b>								
Strontium	2015	pCi/L	NA	no goal		19		Erosion of natural deposits.
Vanadium	2015	ppb	NA	no goal		2.00		Naturally occurring elemental metal
<b>DISTRIBUTION SYSTEM MONITORING</b>								
<b>DISINFECTION BYPRODUCTS</b>								
Total Haloacetic acids	2015	ppb	60	NA	NA	31	8.8 - 61	Disinfection byproduct.
TTHMs [Total trihalomethanes]	2015	ppb	80	NA	NA	99	14 - 200	Disinfection byproduct.
<b>* A Compliance Order has been issued, and the City is looking into a project to treat for disinfection byproducts.</b>								
Chlorine Residual Average	2014	mg/L	4	NA	NA	0.44	.45 - .58	Disinfection byproduct.
<b>*Non-corrosive (NC)</b>								
<b>Microbiological</b>	<b>Highest No. of</b>	<b>No. of months</b>	<b>MCL</b>		<b>MCLG</b>	<b>Typical Source of Bacteria</b>		
<b>Contaminants</b>	<b>Detections</b>	<b>in Violation</b>						
Total Coliform Bacteria*	2 (in a month)	0	More than 1 sample positive		0	Naturally present in the environment		
Fecal Coliform or <i>E. coli</i>	0 (in a year)	0			0	Human and animal fecal waste		
<b>*Coliforms are bacteria that are naturally present in the environment and are used as an indicator that other, potentially harmful, bacteria may be present.</b>								
<b>When coliform bacteria are found, special follow-up tests are done to determine if harmful bacteria are present in the water supply. If the standard is exceeded, the water supplier must notify the public.</b>								
<b>Lead and Copper</b>	<b>Year Tested</b>	<b>No. of Samples Collected</b>	<b>90th Percentile Level Detected</b>	<b>No. Sites Exceeding AL</b>	<b>AL</b>	<b>MCLG</b>	<b>Typical Source of Contaminant</b>	
Lead (ppb)	2015	30	ND	0	15	2	Internal corrosion of household water plumbing systems; discharges from industrial manufacturers; erosion of natural deposits.	
Copper (ppb)	2015	30	89	0	1300	170	Internal corrosion of household water plumbing systems; erosion of natural deposits; leaching from wood preservatives.	

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