

**CITY OF LUBBOCK PUBLIC WATER SYSTEM
WATER QUALITY REPORT DATA, 2009**

SUBSTANCE	MONITORING DATE*	MCL	HIGHEST LEVEL DETECTED	MCLG	RANGE	SOURCES OF CONTAMINATION
REGULATED AT TREATMENT PLANT						
BETA/PHOTON EMITTERS	2002 - 2005	50 pCi/L*	6.5 pCi/L	0	N/A	Decay of natural and man-made deposits
ALPHA EMITTERS	2002 - 2005	15 pCi/L	5 pCi/L	0	N/A	Erosion of natural deposits
RADIUM 226 & 228 COMBINED	2002 - 2005	5 pCi/L	0.7 pCi/L	0	N/A	Erosion of natural deposits
ARSENIC	2004 - 2005	10 ppb**	3.9 ppb	0	2.1 - 3.9 ppb	Erosion of natural deposits; runoff from orchards
BARIUM	2004 - 2005	2 ppm	0.15 ppm	2 ppm	0 - 0.15 ppm	Erosion of natural deposits
FLUORIDE	2008 - 2009	4 ppm	1.46 ppm	4 ppm	0.63 - 1.46 ppm	Erosion of natural deposits
CYANIDE	2009	0.2 ppm	0.07 ppm	0.2 ppm	0.03 - 0.07 ppm	Discharge from steel/metal, plastic and fertilizer factories
NITRATE	2009	10 ppm	1.10 ppm	10 ppm	1.0 - 1.10 ppm	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion
NITRITE	2005	1 ppm	0.13 ppm	1 ppm	0.01 - 0.13 ppm	Runoff from fertilizer use; leaching from septic tanks, sewage; erosion
TURBIDITY	2009	TT = 5 NTU	0.11 NTU	0	0.03 - 0.11 NTU	Soil runoff
		TT = % of samples <0.3 NTU	100%			
ADDITIONAL MONITORING						
ALUMINUM	2004 - 2005	0.05-0.2ppm^	0.11 ppm	N/A	0.03 - 0.11 ppm	Water Treatment Chemical
CHLORIDE	2009	300 ppm ^	266 ppm	N/A	N/A	Naturally occurring
TOTAL DISSOLVED SOLIDS	2009	1000 ppm^	848 ppm	N/A	N/A	Naturally occurring
AMMONIA	2007	Not Regulated	0.474 ppm	N/A	0.179 - 0.474 ppm	Water Treatment Chemical
CALCIUM	2004 - 2005	Not Regulated	62.4 ppm	N/A	59 - 62 ppm	Naturally occurring
MAGNESIUM	2004 - 2005	Not Regulated	35 ppm	N/A	14.1 - 35 ppm	Naturally occurring
SODIUM	2009	Not Regulated	233 ppm	N/A	N/A	Naturally occurring
NICKEL	2004 - 2005	Not Regulated	0.002 ppm	N/A	0.002 ppm	Erosion of natural deposits
ZINC	2004 - 2005	5 ppm^	0.004 ppm	N/A	0 - 0.004 ppm	Naturally occurring
HARDNESS	2008	Not Regulated	259 ppm	N/A	218 - 259 ppm	Naturally occurring
CONDUCTANCE	2009	Not Regulated	1650 micromhos/cm	N/A	N/A	Naturally occurring
TOTAL ALKALINITY	2009	Not Regulated	180 ppm	N/A	N/A	Naturally occurring
SULFATE	2009	300 ppm ^	176 ppm	N/A	N/A	Mineral and Nutrient



Texas Department of State Health Services

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*NITRATE Analysis Report

Submitter Identification Number: 0580001

CITY OF LAMESA
601 S 1ST ST
LAMESA, TX 79331-6247

Date Reported : 10/27/2009
Report ID# : 20091027100948AB12864

Lab Sample ID# : AB12864 Water Source : GROUND
Sample Priority : QUARTERLY Entry Point(s) : 001
TCEQ ID#(s) : 0909064

Date Collected : 10/14/2009 10:16
Date Received : 10/15/2009

Sample Cond. : Acceptable

Analyte	Result	Unit	Method	Date/Time Analyzed	Analyst
Nitrate as N	0.86	mg/L	EPA 353.2	10/15/2009 13:55	JO

Comments:

Unless otherwise noted, the test results on this report relate only to the sample identified on this report and meets all NELAC requirements.

Authorized by Team Lead LMCELHANEY on 10/22/2009