Table 3-3. Groundwater Contaminants in the Regional Aquifer in 2015

Chemical	Location	Concentration [a] (µg/L [b])		Trends
		Result	Screening Level	
Regional Aquifer (LANL and NMED, 2016)				
Perchlorate	Mortandad Canyon	**≤ 99.4**	4 [c] 13.8 [d]	
Hexavalent c~~C~~hromium	Sandia Canyon	**≤ 386** (2014)	50 [e]	Flat trend in the center of the plume (monitoring wells R-42 and R-28) and gradually increasing trend along the edge of the plume (monitoring wells R-45 screen 1, R-43 screen 1, and R-50 screen 1).
	Mortandad Canyon	**≤ 915**	50 [e]	
Los Alamos County Water Supply Wells (LANL and NMED, 2016)				
Tritium	Well O-1	2.373 pCi/L	20,000 pCi/L [f]	Results have declined since 2004, when there was a detection of 58 pCi/L.
Perchlorate	Well O-1	0.515	4 [c] 13.8 [d]	Results variable, but declining since 2008; concentrations ≤ 3 µg/L since 2001.

[a] **Bold** text indicates standard exceedances.

[b] Unless otherwise noted

[c] 2012 LANL Compliance Order on Consent screening level (NMED, 2012)

[d] NMED tap water screening level (NMED, 2014)

[e] NMWQCC Groundwater Standards for Human Health (20.6.2.3103)

[f] The EPA has established an MCL of 4 millirem per year for beta particle and photon radioactivity from man-made radionuclides in drinking water. The average concentration of tritium that is assumed to yield 4 millirem per year is 20,000 pCi/L. If other radionuclides that emit beta particles and photon radioactivity are present in addition to tritium, the sum of the annual dose from all the radionuclides shall not exceed 4 millirem per year (U.S. EPA, 2002).

µg/L = Micrograms per liter
≤ = Less than or equal to
pCi/L = PicoCuries per liter

Table 5-11. Projected LACWU Supplied Water Demand Assuming Decreased Demand Due to Water Conservation, 2020-2060

Year	Per Capita Water Demand Used to Calculate LACWU Demand (gpcd)	Low Demand Scenario (ac-ft/yr)			High Demand Scenario (ac-ft/yr)			LANL Projected Demand (ac-ft/yr)
		LACWU Projected Demand	Potential Conservation Savings	LACWU Projected Demand with Conservation	LACWU Projected Demand	Potential Conservation Savings	LACWU Projected Demand with Conservation	
2010 [a]	135	2,712	—	2,712	2,712	—	2,712	904
2020	135	2,716	0	2,716	3,020	0	3,020	918
2030	130	2,686	100	2,586	3,143	117	3,026	1,505
2040	120	2,586	288	2,298	3,239	360	2,879	1,505
2050	110	2,488	461	2,027	3,303	613	2,690	1,505
2060	100	2,395	622	1,773	3,336	866	2,470	1,505

[a] Actual values

gpcd = Gallons per capita per day
ac-ft/yr = Acre-feet per year
LACWU = Los Alamos County Water Utility
LANL = Los Alamos National Laboratory
— = Not applicable