

**Table MU1 4-5 State and Federal Water Quality Criteria (Page 1 of 1)**

Parameters	Units	WDEQ-WQD Class-of-Use Criteria			EPA Drinking Water Criteria
		Domestic (Class I)	Agriculture (Class II)	Livestock (Class III)	Maximum Contaminant Level
Alkalinity as CaCO <sub>3</sub>	mg/L	---	---	---	---
CO <sub>3</sub>	mg/L	---	---	---	---
HCO <sub>3</sub>	mg/L	---	---	---	---
Calcium	mg/L	---	---	---	---
Chloride	mg/L	250.0	100.0	2000.0	---
Fluoride	mg/L	4.0	---	---	4.0
Magnesium	mg/L	---	---	---	---
NH <sub>3</sub> -N	mg/L	0.5	---	---	---
NO <sub>3</sub> +NO <sub>2</sub> -N	mg/L	---	---	100.0	---
Potassium	mg/L	---	---	---	---
SiO <sub>2</sub>	mg/L	---	---	---	---
Sodium	mg/L	---	---	---	---
SO <sub>4</sub>	mg/L	250.0	200.0	3000.0	---
Specific Conductance at 25 °C	µmhos/cm	---	---	---	---
Laboratory pH	SU	6.5 - 8.5	4.5 - 9.0	6.5 - 8.5	---
TDS Dried at 180 °C	mg/L	500.0	2000.0	5000.0	---
Aluminum	mg/L	---	5.0	5.0	---
Arsenic	mg/L	0.05	0.1	0.2	0.010
Barium	mg/L	2.0	---	---	2
Boron	mg/L	0.75	0.75	5.0	---
Cadmium	mg/L	0.005	0.01	0.05	0.005
Chromium	mg/L	0.10	0.1	0.05	0.1
Copper	mg/L	1.0	0.2	0.5	---
Iron	mg/L	0.3	5.0	---	---
Lead	mg/L	0.015	5.0	0.1	---
Manganese	mg/L	0.05	0.2	---	---
Mercury	mg/L	0.002	---	0.00005	0.002
Molybdenum	mg/L	---	---	---	---
Nickel	mg/L	---	0.2	---	---
Selenium	mg/L	0.05	0.02	0.05	0.05
Uranium	mg/L	---	---	---	0.03
Vanadium	mg/L	---	0.1	0.1	---
Zinc	mg/L	5.0	2.0	25.0	---
Gross Alpha	pCi/L	15	15	15	15
Gross Beta	pCi/L	---	---	---	---
Dissolved Ra-226	pCi/L	Ra-226+ Ra-228 (Combined) 5	Ra-226+ Ra-228 (Combined) 5	Ra-226+ Ra-228 (Combined) 5	Ra-226+ Ra-228 (Combined) 5
Dissolved Ra-228	pCi/L				

Source: EPA, 2009 and WDEQ-WQD, 2005