

Appendix G

Allowed Nitrate Concentrations (ARM 17.30.715)

Background Nitrate as Nitrogen Concentrations (mg/L)	Allowed Mixing Zone Concentrations of Nitrate as Nitrogen (mg/L)*
0-5.0	5.0 (for conventional septic system) 7.5 (for Level 2 treatment)
5.0-7.5	7.5 (for conventional septic system if background nitrate is primarily from sources other than human waste; otherwise no increase above background levels) 7.5 (for Level 2 treatment)
7.5-10.0	NO INCREASE

* If shallowest groundwater is not a high-quality groundwater, allowed level is 10 mg/L. High-quality groundwater is defined as Class I or Class II groundwaters (75-5-103, MCA). Class I or II groundwater has a specific conductance less than 2500 $\mu\text{S}/\text{cm}$ (ARM 17.30.1006). Note that ARM 17.30.1006 includes modified standards for groundwater that is not high quality.