

## Appendix J

### 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 nitrate is primarily from sources other than human waste; otherwise no increase above background levels) 7.5 (for Level 2)
7.5-10.0	NO INCREASE
≥10.0 (WQB-7)	NO INCREASE

\* If shallowest ground water is not a high quality ground water, allowed level is 10 mg/L. High quality water is defined as Class I or Class II waters (75-5-103, MCA). Class I or II water has a specific conductance less than 2500  $\mu\text{S}/\text{cm}$  at 25°C (ARM 17.30.1006). Note that ARM 17.30.1006(3)(c)(i), (4)(c)(ii), and (5) include modified standards for ground water that is not high quality.