

**PROPOSED REGULATION OF
THE STATE ENVIRONMENTAL COMMISSION**

LCB File No. R128-12

August 22, 2012

EXPLANATION – Matter in *italics* is new; matter in brackets ~~emitted material~~ is material to be omitted.

AUTHORITY: §§1-3, NRS 445A.425 and 445A.520.

A REGULATION relating to water quality; revising the water quality standards for Smoke Creek, Bronco Creek and Gray Creek; and providing other matters properly relating thereto.

Section 1. NAC 445A.1286 is hereby amended to read as follows:

445A.1286 The limits of this table apply to the body of water known as Smoke Creek from the California-Nevada state line to the Smoke Creek Desert. Smoke Creek is located in Washoe County.

STANDARDS OF WATER QUALITY

Smoke Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use ^a											
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh	
Beneficial Uses			X	X	X	X	X			X				
Aquatic Life Species of Concern														
Temperature - °C		S.V. Summer ≤ 25.0 S.V. Winter ≤ 14.0			*	X								

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use ^a												
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh		
pH - SU		S.V. 6.5 - 9.0	X	X	*	*					*				
Total Phosphorus (as P) - mg/l		S.V. ≤ 0.1 ^b			*	*	X								
Nitrogen Species (as N) - mg/l		Nitrate S.V. ≤ 90 Nitrite S.V. ≤ 5.0 Total Nitrogen ^b	X		*						X				
Dissolved Oxygen - mg/l		S.V. ≥ 5.0	X		*	X	X				X				
Turbidity - NTU		S.V. ≤ 50			*										
Total Dissolved Solids - mg/l		S.V. ≤ 1,000	X	*											
Chlorides - mg/l		S.V. ≤ 250 <i>1-hr Avg. ≤ 860^c</i> <i>96-hr Avg. ≤ 230</i>	X		*						X				
Fecal Coliform - No./100 ml		S.V. ≤ 1,000	*	*			X				*				
E. coli - No./100 ml		A.G.M. ≤ 126 S.V. ≤ 410				*	X								
Total Ammonia (as N) - mg/l		≤ 1.0			*										

* = The most restrictive beneficial use.

X = Beneficial use.

^a Refer to NAC 445A.122 and 445A.1282 for beneficial use terminology.

^b The water must not contain nutrient concentrations from a source other than a natural source which cause the growth of algae or aquatic plants in amounts that interfere with any beneficial uses of the water.

^c *One-hour and 96-hour average concentration limits may be exceeded only once every 3 years.*

^d The ambient water quality criteria for ammonia are specified in NAC 445A.118.

Sec. 2. NAC 445A.1698 is hereby amended to read as follows:

445A.1698 The limits of this table apply to the body of water known as Bronco Creek from its origin to the California-Nevada state line. Bronco Creek is located in Washoe County.

STANDARDS OF WATER QUALITY

Bronco Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use ^a												
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh		
Beneficial Uses			X	X	X	X	X	X	X	X	X				
Aquatic Life Species of Concern															
Temperature - °C		Avg. Jun-Sep ≤ 20.0 S.V. Summer ≤ 25.0 S.V. Winter ≤ 13.0			*	X									
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*					
Total Phosphorus (as P) - mg/l		S.V. ≤ 0.1 ^b			*	*	X	X							
Nitrogen Species (as N)- mg/l		Nitrate S.V. ≤ 10 Nitrite S.V. ≤ 0.06 Total Nitrogen ^b	X					*		X					
Dissolved Oxygen - mg/l		S.V. ≥ 6.0	X		*	X	X	X		X					
Turbidity - NTU		S.V. ≤ 10			*										
Color - PCU		S.V. ≤ 75						*							

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use ^a											
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh	
Total Dissolved Solids - mg/l		S.V. ≤ 500	X	X					*					
Chlorides - mg/l		S.V. ≤ 250 <i>1-hr Avg. ≤ 860^c</i> <i>96-hr Avg. ≤ 230</i>	X		*				* X		X			
Sulfate - mg/l		S.V. ≤ 250							*					
Fecal Coliform - No./100 ml		S.V. ≤ 1,000	*	*			X	X		*				
E. coli - No./100 ml		A.G.M. ≤ 126 S.V. ≤ 410				*	X							
Total Ammonia (as N) - mg/l		e ^d			*									

* = The most restrictive beneficial use.

X = Beneficial use.

^a Refer to NAC 445A.122 and 445A.1622 for beneficial use terminology.

^b The water must not contain nutrient concentrations from a source other than a natural source which cause the growth of algae or aquatic plants in amounts that interfere with any beneficial uses of the water.

^c *One-hour and 96-hour average concentration limits may be exceeded only once every 3 years.*

^d The ambient water quality criteria for ammonia are specified in NAC 445A.118.

Sec. 3. NAC 445A.1702 is hereby amended to read as follows:

445A.1702 The limits of this table apply to the body of water known as Gray Creek from its origin to the California-Nevada state line. Gray Creek is located in Washoe County.

STANDARDS OF WATER QUALITY

Gray Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use ^a														
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh				
Beneficial Uses			X	X	X	X	X	X	X	X	X						
Aquatic Life Species of Concern																	
Temperature - °C		Avg. Jun-Sep ≤ 20.0 S.V. Summer ≤ 25.0 S.V. Winter ≤ 13.0			*	X											
pH - SU		S.V. 6.5 - 9.0	X	X	*	*		X	X	*							
Total Phosphorus (as P) - mg/l		S.V. ≤ 0.1 ^b			*	*	X	X									
Nitrogen Species (as N)- mg/l		Nitrate S.V. ≤ 10	X					*		X							
		Nitrite S.V. ≤ 0.06	X		*			X		X							
		Total Nitrogen ^b			*	*											
Dissolved Oxygen - mg/l		S.V. ≥ 6.0 S.V. ≥ 7.0	X		*	X	X	X		X							
Turbidity - NTU		S.V. ≤ 10			*												
Color - PCU		S.V. ≤ 75						*									
Total Dissolved Solids - mg/l		S.V. ≤ 500	X	X				*									
Chlorides - mg/l		S.V. ≤ 250 1-hr Avg. ≤ 860 ^c 96-hr Avg. ≤ 230	X		*			[*] X		X							
Sulfate - mg/l		S.V. ≤ 250						*									

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use ^a											
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh	
Fecal Coliform - No./100 ml		S.V. ≤ 1,000	*	*			X	X		*				
E. coli - No./100 ml		A.G.M. ≤ 126 S.V. ≤ 410				*	X							
Total Ammonia (as N) - mg/l		1.0 ^d			*									

* = The most restrictive beneficial use.

X = Beneficial use.

^a Refer to NAC 445A.122 and 445A.1622 for beneficial use terminology.

^b The water must not contain nutrient concentrations from a source other than a natural source which cause the growth of algae or aquatic plants in amounts that interfere with any beneficial uses of the water.

^c *One-hour and 96-hour average concentration limits may be exceeded only once every 3 years.*

^d The ambient water quality criteria for ammonia are specified in NAC 445A.118.