

**PROPOSED PERMANENT REGULATION OF THE  
NEVADA STATE ENVIRONMENTAL COMMISSION**

Explanation – Matter in bold blue and italics is **new**; matter in bold red and strikeout is **material to be omitted**.

AUTHORITY: §§1-318, NRS 445A.425 and 445A.520.

A REGULATION relating to water quality; making various changes in provisions that establish standards for water quality; and providing other matters properly relating thereto.

**PETITION P2012-06 WATER QUALITY STANDARDS REVISIONS SMOKE, BRONCO AND GRAY CREEKS**

**SMOKE CREEK**

**Proposed omissions and changes:**

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

STANDARDS OF WATER QUALITY

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>											
			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								
pH - SU		S.V. 6.5 - 9	X	X	*	*				*				
Dissolved Oxygen - mg/l		S.V. ≥ 5.0	X		*	X	X			X				
Total Phosphorus (as P) - mg/l		<sup>b</sup> S.V. ≤ 0.1			*	*	X							
Nitrogen Species (as N) - mg/l		Nitrate S.V. ≤ 90	X		*					X				
		Nitrite S.V. ≤ 5	X		*					X				
		Total Nitrogen <sup>b</sup>			*	*								
Total Ammonia (as N) - mg/l		<sup>c</sup>			*									
Total Dissolved Solids - mg/l		S.V. ≤ 1000	X	*										

Chloride - mg/l		<b>S.V. ≤ 250</b> <b>1-hr Avg. ≤ 860<sup>d</sup></b> <b>96-hr Avg. ≤ 230</b>	X		*						X			
Turbidity - NTU		S.V. ≤ 50			*									
E Coli - No./100 ml		AGM ≤ 126 S.V. ≤ 410				*	X							
Fecal Coliform - No./100 ml		S.V. ≤ 1000	*	*			X				*			

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to NAC 445A.122 and 445A.1622 for beneficial use terminology.

<sup>b</sup> Waters shall be free from nutrient concentrations from other than natural source that cause the growth of algae or aquatic plants in amounts that interfere with any beneficial uses of the water.

<sup>c</sup> The ambient water quality criteria for ammonia are specified in NAC 445A.118.

<sup>d</sup> **One-hour and 96-hour average concentration limits may be exceeded only once every 3 years.**

## BRONCO CREEK

### Proposed omissions and changes:

NAC 445A.1698. The limits of this table apply to the body of water known as Bronco Creek from its origin to the Nevada State Line. Bronco Creek is located in Washoe County.

### STANDARDS OF WATER QUALITY

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>											
			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	X	X	*	*		X	X	*				
Dissolved Oxygen - mg/l		S.V. ≥ 6.0	X		*	X	X	X		X				
Total Phosphorus (as P) - mg/l		<sup>b</sup> S.V. ≤ 0.1			*	*	X	X						
Nitrogen Species (as N) - mg/l		Nitrate S.V. ≤ 10	X					*		X				
		Nitrite S.V. ≤ 0.06	X		*			X		X				
		Total Nitrogen <sup>b</sup>			*	*								

Total Ammonia (as N) - mg/l		c			*									
Total Dissolved Solids - mg/l		S.V. ≤ 500	X	X				*						
Chloride - mg/l		<b>S.V. ≤ 250</b> <b>1-hr Avg. ≤ 860<sup>d</sup></b> <b>96-hr Avg. ≤ 230</b>	X		*			<b>X</b>		X				
Sulfate - mg/l		S.V. ≤ 250						*						
Turbidity - NTU		S.V. ≤ 10			*									
Color - PCU		S.V. ≤ 75						*						
E Coli - No./100 ml		AGM ≤ 126 S.V. ≤ 410				*	X							
Fecal Coliform - No./100 ml		S.V. ≤ 1000	*	*			X	X		*				

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup>Refer to NAC 445A.122 and 445A.1622 for beneficial use terminology.

<sup>b</sup>Waters shall be free from nutrient concentrations from other than natural source that cause the growth of algae or aquatic plants in amounts that interfere with any beneficial uses of the water

<sup>c</sup>The ambient water quality criteria for ammonia are specified in NAC 445A.118.

<sup>d</sup>**One-hour and 96-hour average concentration limits may be exceeded only once every 3 years.**

## GRAY CREEK

### Proposed omissions and changes:

NAC 445A.1702. The limits of this table apply to the body of water known as Gray Creek from its origin to the Nevada State Line. Gray Creek is located in Washoe County.

### STANDARDS OF WATER QUALITY

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use <sup>a</sup>											
			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	X	X	*	*		X	X	*				
Dissolved Oxygen - mg/l		<b>S.V. ≥ 6.0</b> <b>S.V. ≥ 7.0</b>	X		*	X	X	X		X				

Total Phosphorus (as P) - mg/l		<sup>b</sup> S.V. ≤ 0.1			*	*	X	X						
Nitrogen Species (as N) - mg/l		Nitrate S.V. ≤ 10	X					*		X				
		Nitrite S.V. ≤ 0.06	X		*			X		X				
		Total Nitrogen <sup>b</sup>			*	*								
Total Ammonia (as N) - mg/l		<sup>c</sup>			*									
Total Dissolved Solids - mg/l		S.V. ≤ 500	X	X				*						
Chloride - mg/l		<del>S.V. ≤ 250</del> 1-hr Avg. ≤ 860 <sup>d</sup> 96-hr Avg. ≤ 230	X		*			<del>*</del> X		X				
Sulfate - mg/l		S.V. ≤ 250						*						
Turbidity - NTU		S.V. ≤ 10			*									
Color - PCU		S.V. ≤ 75						*						
E Coli - No./100 ml		AGM ≤ 126 S.V. ≤ 410				*	X							
Fecal Coliform - No./100 ml		S.V. ≤ 1000	*	*			X	X		*				

\* = The most restrictive beneficial use.

X = Beneficial use.

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<sup>b</sup> Waters shall be free from nutrient concentrations from other than natural source that cause the growth of algae or aquatic plants in amounts that interfere with any beneficial uses of the water

<sup>c</sup> The ambient water quality criteria for ammonia are specified in NAC 445A.118.

<sup>d</sup> **One-hour and 96-hour average concentration limits may be exceeded only once every 3 years.**