

**PROPOSED REGULATION OF THE  
STATE ENVIRONMENTAL COMMISSION**

**LCB FILE NO. R115-22I**

**THE FOLLOWING DOCUMENT IS THE INITIAL DRAFT REGULATION PROPOSED  
BY THE AGENCY SUBMITTED ON 06/27/2022**

**PETITION P2022-14 (CHANNELS TRIBUTARY TO LAS VEGAS WASH)**

PROPOSED PERMANENT REGULATION OF THE  
NEVADA STATE ENVIRONMENTAL COMMISSION

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

**PETITION 2022-14** Changes to the Nevada Administrative Code revising the Nevada water quality regulations for specific channels tributary to the Las Vegas Wash (NAC 445A.2156), and to add a water quality standards table for those channels.

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

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

**Section 1 of P2022-14 adds a new table of water quality standards to Chapter 445A of NAC for specific channels tributary to the Las Vegas Wash.**

**Section 2 of P2022-14 amends NAC 445A.2142 to include the channels tributary to the Las Vegas Wash.**

**Proposed Revisions:**

**Section 1 Chapter 445A of NAC is hereby amended by adding thereto a new section to read as follows:**

*Colorado Region: Channels tributary to Las Vegas Wash. The limits of this table apply to several channel waters tributary to Las Vegas Wash, including Flamingo Wash (origin to Las Vegas Wash), Sloan Channel (from North Las Vegas Boulevard to Las Vegas Wash), Duck Creek (origin to the confluence with Las Vegas Wash, as defined by the weirs on lower Duck Creek), Las Vegas Creek (origin to Las Vegas Wash), Pittman Wash (origin to Duck Creek), Tropicana Wash (origin to Flamingo Wash), and upper Las Vegas Wash (origin to confluence with discharges from City of Las Vegas and Clark County wastewater treatment plants). These channels tributary to the Las Vegas Wash are located in Clark County.*

**STANDARDS OF WATER QUALITY**  
**Channels tributary to Las Vegas Wash**

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY CRITERIA TO PROTECT BENEFICIAL USES	Beneficial Uses <sup>d</sup>											
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh	
<i>Beneficial Uses</i>							X			X				
<i>Aquatic Life Species of Concern</i>			None											
<i>pH - SU</i>		<i>S.V. 5.5 - 9.2</i>					*			*				
<i>Dissolved Oxygen - mg/L</i>		<i>S.V. ≥ 2.0</i>					*			*				
<i>Nitrate (as N) - mg/L</i>		<i>S.V. ≤ 100<sup>b</sup></i>								*				
<i>Nitrite (as N) - mg/L</i>		<i>S.V. ≤ 10<sup>c</sup></i>								*				
<i>Total Dissolved Solids – mg/L</i>		<i>S.V. ≤ 5,000<sup>c</sup></i>								*				
<i>E coli - cfu/100 mL</i>		<i>A.G.M. ≤ 630</i>					*							
<i>Toxic Materials</i>		<i><sup>d</sup></i>												

\* = The most restrictive beneficial use.

X = Beneficial use.

<sup>a</sup> Refer to [NAC 445A.122](#) and [445A.2142](#) for beneficial use terminology.

<sup>b</sup> North Dakota State University.

<sup>c</sup> Value from National Academy of Sciences, 1972; National Research Council, 1974; Montana State University.

<sup>d</sup> Toxic Materials standards specified in NAC 445A.1236 apply only to the beneficial uses of aquatic life, municipal or domestic supply, irrigation, and watering of livestock. None of those beneficial uses are applicable for these channels, which consist predominantly of concrete-lined channels constructed for stormwater flow. Accidental organisms, such as dumped aquarium organisms may occur sporadically, but these are not considered to be established, propagating organisms. Monsoon floods periodically scour and flush out the largely concrete-lined channels and detention basins.

**Section 2. NAC 445A.2142 is hereby amended to read as follows:**

**NAC 445A.2142 Colorado Region: Designated beneficial uses. ([NRS 445A.425](#), [445A.520](#))**

The designated beneficial uses for select bodies of water within the Colorado Region are prescribed in this section:

Water Body Name	Segment Description	Beneficial Uses										Aquatic Life Species of Concern	Water Quality Standard NAC Reference		
		Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance			Marsh	
Colorado River below Davis Dam	From the Lake Mohave Inlet to the California-Nevada state line below Davis Dam, except for the length of the river within the exterior borders of the Fort Mojave Indian Reservation.	X	X	X	X	X	X	X	X						<a href="#">NAC 445A.2146</a>
Colorado River below Hoover Dam	From Hoover Dam to the Lake Mohave Inlet.	X	X	X	X	X	X	X	X						<a href="#">NAC 445A.2148</a>
Lake Mead	Lake Mead, excluding the area covered by <a href="#">NAC 445A.2154</a> , Inner Las Vegas Bay.	X	X	X	X	X	X	X	X				Warm-water fishery	<a href="#">NAC 445A.2152</a>	

Water Body Name	Segment Description	Beneficial Uses										Aquatic Life Species of Concern	Water Quality Standard NAC Reference	
		Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance			Marsh
Inner Las Vegas Bay	Lake Mead from the confluence of the Las Vegas Wash with Lake Mead to 1.2 miles into Las Vegas Bay.	X	X	X		X		X	X				Warm-water fishery	<a href="#">NAC 445A.2154</a>
Las Vegas Wash at the Historic Lateral	From the confluence of Sloan Channel and Las Vegas Wash to the Historic Lateral. This segment encompasses the discharge from Clark County wastewater treatment plant, the City of Las Vegas wastewater treatment plant and the City of Henderson wastewater treatment plant.	X	X	X		X			X			X	Excluding fish, this does not preclude the establishment of a fishery	<a href="#">NAC 445A.2156</a>
Las Vegas Wash at Lake Mead	From the Historic Lateral to its confluence with Lake Mead.	X	X	X		X			X			X	Excluding fish, this does not preclude the establishment of a fishery	<a href="#">NAC 445A.2158</a>
<i>Channels tributary to Las Vegas Wash</i>	<i>Includes from the origin to confluence with Las Vegas Wash: Duck Creek, Flamingo Wash, Las Vegas Creek, Pittman Wash, Tropicana Wash, Sloan Channel, and upper Las Vegas Wash (origin to the confluence with Sloan Channel)</i>					X			X					<a href="#">NAC 445A.XXXX</a>
Virgin River at the state line	At the Arizona-Nevada state line, near Littlefield, Arizona.	X	X	X		X		X	X					<a href="#">NAC 445A.2162</a>
Virgin River at Mesquite	From the Arizona-Nevada state line to Mesquite.	X	X	X		X		X	X					<a href="#">NAC 445A.2164</a>
Virgin River at Lake Mead	From Mesquite to the river mouth at Lake Mead.	X	X	X		X		X	X					<a href="#">NAC 445A.2166</a>
Muddy River at the Glendale Bridge	From the river source to the Glendale Bridge, except for the length of the river within the exterior borders of the Moapa Indian Reservation.	X	X	X	X	X	X	X	X					<a href="#">NAC 445A.2168</a>
Muddy River at the Wells Siding Diversion	From the Glendale Bridge to the Wells Siding Diversion.	X	X	X	X	X		X	X					<a href="#">NAC 445A.2172</a>
Muddy River at Lake Mead	From the Wells Siding Diversion to the river mouth at Lake Mead.	X	X	X	X	X		X	X					<a href="#">NAC 445A.2174</a>
Meadow Valley Wash	From the bridge above Rox to its confluence with the Muddy River.	X	X	X		X		X	X					<a href="#">NAC 445A.2176</a>
Beaver Dam Wash	Above Schroeder Reservoir.	X	X	X	X	X	X	X	X					<a href="#">NAC 445A.2178</a>
Schroeder Reservoir	The entire reservoir.	X	X	X	X	X	X	X	X				Trout	<a href="#">NAC 445A.2182</a>
White River at the national forest boundary	From its origin to the national forest boundary.	X	X	X	X	X	X		X					<a href="#">NAC 445A.2184</a>
White River at Ellison Creek	From the national forest boundary to its confluence with Ellison Creek.	X	X	X	X	X	X	X	X				Trout	<a href="#">NAC 445A.2186</a>
Dacey Reservoir	The entire reservoir.	X	X	X	X	X	X	X	X					<a href="#">NAC 445A.2188</a>
Sunnyside Creek	From its origin to Adams McGill Reservoir.	X	X	X	X	X	X	X	X					<a href="#">NAC 445A.2192</a>

Water Body Name	Segment Description	Beneficial Uses											Aquatic Life Species of Concern	Water Quality Standard NAC Reference	
		Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh			
Adams McGill Reservoir	The entire reservoir.	X	X	X	X	X	X	X	X						<a href="#">NAC 445A.2194</a>
Hay Meadow Reservoir	The entire reservoir.	X	X	X	X	X	X	X	X				Trout	<a href="#">NAC 445A.2196</a>	
Nesbitt Lake	The entire lake.	X	X	X	X	X	X	X	X					<a href="#">NAC 445A.2198</a>	
Pahranagat Reservoir	The entire reservoir.	X	X	X	X	X	X	X	X					<a href="#">NAC 445A.2202</a>	
Bowman Reservoir	The entire reservoir.	X	X	X	X	X	X	X	X					<a href="#">NAC 445A.2204</a>	
Eagle Valley Creek	From its headwaters to Eagle Valley Reservoir.	X	X	X	X	X	X	X	X				Trout	<a href="#">NAC 445A.2206</a>	
Eagle Valley Reservoir	The entire reservoir.	X	X	X	X	X	X	X	X				Trout	<a href="#">NAC 445A.2208</a>	
Echo Canyon Reservoir	The entire reservoir.	X	X	X	X	X	X	X	X				Trout	<a href="#">NAC 445A.2212</a>	
Clover Creek	From its origin to the point where it crosses the east range line of T. 4 S., R. 67 E., M.D.B. & M.	X	X	X	X	X	X	X	X				Trout	<a href="#">NAC 445A.2214</a>	
Irrigation	Irrigation														
Livestock	Watering of livestock														
Contact	Recreation involving contact with the water														
Noncontact	Recreation not involving contact with the water														
Industrial	Industrial supply														
Municipal	Municipal or domestic supply, or both														
Wildlife	Propagation of wildlife														
Aquatic	Propagation of aquatic life														
Aesthetic	Waters of extraordinary ecological, or aesthetic value														
Enhance	Enhancement of water quality														
Marsh	Maintenance of a freshwater marsh														