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July 1, 2026

Ms. Sheryl Fontaine
Executive Secretary
State Environmental Commission
901 South Stewart Street, Suite 4001
Carson City, NV 89701

Re: LCB File No. R146-24

Dear Ms. Fontaine,

A regulation adopted by the State Environmental Commission has been filed today with the Secretary of State pursuant to NRS 233B.067 or 233B.0675 as appropriate. As provided in NRS 233B.070, this regulation becomes effective upon filing, unless otherwise indicated.

Enclosed are two copies of the regulation bearing the stamp of the Secretary of State which indicates that it has been filed. One copy is for your records and the other is for delivery to the State Library and Archives Administrator pursuant to subsection 6 of NRS 233B.070.

Sincerely,

A handwritten signature in blue ink, appearing to read "A. Killian".

Asher A. Killian
Legislative Counsel

Aaron D. MacDonald
Senior Deputy Legislative Counsel

Heidi A. Chlarson
Chief Deputy Legislative Counsel

AAK/oac
Enclosure

Secretary of State
Filing Data

For Filing Administrative
Regulations

R146-24

For Emergency
Regulations Only

Effective Date

Expiration Date

Governor's Signature

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State Environmental Commission

Classification: Proposed ☐ Adopted By Agency ☐ Temporary ☐ Emergency ☐ Permanent ☒

R146-24: This permanent regulation revises NAC chapter 445A. The State Environmental Commission adopted permanent regulation R146-24RP2, which addresses Nevada's water quality. R146-24RP2 proposes several changes to reflect current conditions of stream reaches, existing names of waters, and to assure the most current criteria documents are referenced with regard to water quality standards for salinity of the Colorado River System.

Authority citation other than 233B:

§§ 1-26, NRS 445A.425 and 445A.520, as amended by section 20 of Assembly Bill No. 104, chapter 226, Statutes of Nevada 2025, at page 1407.

Notice date: March 31, 2026

Hearing date: April 30, 2026

APPROVED REGULATION OF THE
STATE ENVIRONMENTAL COMMISSION

LCB File No. R146-24

Filed July 1, 2026

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

AUTHORITY: §§ 1-26, NRS 445A.425 and 445A.520.

A REGULATION relating to water quality; revising provisions relating to standards of water quality; and providing other matters properly relating thereto.

Legislative Counsel's Digest:

Existing law requires the State Environmental Commission to adopt regulations establishing water quality standards. (NRS 445A.425) Subject to certain exceptions, existing law further requires the Commission to establish water quality standards at a level designed to protect and ensure a continuation of the designated beneficial use or uses which the Commission has determined to be applicable to each stream segment or other body of surface water in the State. (NRS 445A.520) Existing regulations establish such water quality standards. (NAC 445A.11704-445A.2234)

Existing regulations require the State of Nevada to cooperate with the other Colorado River Basin states and the Federal Government to support and carry out the conclusions and recommendations adopted April 27, 1972, by the Reconvened 7th Session of the Conference in the Matter of Pollution of the Interstate Waters of the Colorado River and its Tributaries. (NAC 445A.1233) **Section 26** of this regulation repeals this requirement.

Existing regulations set forth certain salinity standards, as adopted by the Colorado River Basin Salinity Control Forum in 2017, at the three lower main stem stations of the Colorado River. (NAC 445A.1233) **Section 26** repeals these standards. **Section 1** of this regulation provides instead that the Commission adopts by reference the 2023 version of the salinity standards adopted by the Colorado River Basin Salinity Control Forum as the salinity standards for the portions of the Colorado River system in this State. **Section 10** of this regulation makes the provisions of **section 1** part of the standards for water quality for select bodies of water within the Colorado Region to clarify that the salinity standards only apply to specific portions of the Colorado Region. **Sections 11-25** of this regulation make: (1) conforming changes to eliminate references to the repealed salinity standards; and (2) various changes to the standards of water quality for specific portions of the Colorado Region to conform to the standards adopted

by **section 1. Section 26** makes a conforming change to repeal the interpretation of a term made obsolete by the changes to the standards of water quality for specific portions of the Colorado Region to conform to the standards adopted by **section 1**.

Sections 20-22 and 25 also revise certain terminology relating to standards of water quality for consistency with terminology used in similar provisions relating to standards of water quality.

Existing regulations set forth the designated beneficial uses and standards of water quality for the Squaw Creek Reservoir within the Black Rock Region of the State. (NAC 445A.1282, 445A.1288) **Sections 2 and 3** of this regulation provide instead that these designated beneficial uses and standards of water quality apply to the Granite Mountain Reservoir within the Black Rock Region of this State.

Existing regulations set forth the designated beneficial uses and standards of water quality for Rock Creek at Squaw Valley Ranch and Rock Creek below Squaw Valley Ranch within the Humboldt Region of the State. (NAC 445A.1432, 445A.1518, 445A.1522) **Sections 4-6** of this regulation provide instead that these designated beneficial uses and standards of water quality apply to Rock Creek at Willow Creek and Rock Creek below Willow Creek within the Humboldt Region of the State.

Existing regulations set forth the designated beneficial uses and standards of water quality for Squaw Creek within the Walker Region of the State. (NAC 445A.1882, 445A.1928) **Sections 7 and 8** of this regulation provide instead that these designated beneficial uses and standards of water quality apply to Mud Spring Creek within the Walker Region of the State.

Existing regulations establish standards of water quality for Schroeder Reservoir within the Colorado Region of the State. (NAC 445A.2182) **Section 26** repeals these standards. **Section 9** of this regulation makes conforming changes to eliminate references to Schroeder Reservoir.

Existing regulations set forth the standards of water quality for Beaver Dam Wash above Schroeder Reservoir within the Colorado Region. (NAC 445A.2178) **Section 24** of this regulation provides instead that these standards of water quality apply to Beaver Dam Wash within the State.

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

The Commission hereby adopts by reference the “2023 Review, Water Quality Standards for Salinity, Colorado River System,” adopted by the Colorado River Basin Salinity Control Forum as the salinity standards for the portions of the Colorado River system in this State.

The publication is available, free of charge, from the Division or at the Internet address

<https://www.coloradoriversality.org>.

Sec. 2. NAC 445A.1282 is hereby amended to read as follows:

445A.1282 The designated beneficial uses for select bodies of water within the Black Rock 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	
Smoke Creek	From the California-Nevada state line to the Smoke Creek Desert.	X	X	X	X	X			X				NAC 445A.1286
Squaw Creek Granite Mountain Reservoir	The entire reservoir.	X	X	X	X	X	X	X	X			Trout	NAC 445A.1288
Negro Creek	From its origin to the first irrigation diversion, near the west line of section 28, T. 36 N., R. 23 E., M.D.B. & M.	X	X	X	X	X	X		X				NAC 445A.1292
Mahogany Creek	From its origin to the exterior border of the Summit Lake Indian Reservation.	X	X	X	X	X	X		X				NAC 445A.1296
Leonard Creek	From its origin to the first point of diversion, near the south line of section 12, T. 42 N., R. 28 E., M.D.B. & M.	X	X	X	X	X	X		X				NAC 445A.1298
Bilk Creek, upper	From its origin to its intersection with the south line of section 35, T. 45 N., R. 32 E., M.D.B. & M.	X	X	X	X	X	X		X				NAC 445A.1302
Bilk Creek at Bilk Creek Reservoir	From its intersection with the south line of section 35, T. 45 N., R. 32 E., M.D.B. & M., to Bilk Creek Reservoir.	X	X	X	X	X	X	X	X			Trout	NAC 445A.1304
Bilk Creek Reservoir	The entire reservoir.	X	X	X	X	X	X	X	X			Trout	NAC 445A.1306
Bottle Creek	From its origin to the first point of diversion, near the east line of section 23, T. 40 N., R. 32 E., M.D.B. & M.	X	X	X	X	X	X		X				NAC 445A.1308
Quinn River, East and South Forks	From their origin to the confluence of the East and South Forks, except for the length of the river within the exterior borders of the Fort McDermitt Indian Reservation.	X	X	X	X	X	X		X				NAC 445A.1312

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	
Quinn River (the slough)	From the Oregon-Nevada state line in section 31, T. 48 N., R. 38 E., M.D.B. & M., to the confluence with the main tributary of the Quinn River at the south line of section 17, T. 47 N., R. 38 E., M.D.B. & M., except for the length of the river within the exterior borders of the Fort McDermitt Indian Reservation.	X	X	X		X		X	X				NAC 445A.1316
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	Extraordinary ecological, aesthetic or recreational value												
Enhance	Enhancement of water quality												
Marsh	Maintenance of a freshwater marsh												

Sec. 3. NAC 445A.1288 is hereby amended to read as follows:

445A.1288 The limits of this table apply to the entire body of water known as ~~Squaw~~ **Creek** *Granite Mountain* Reservoir. ~~Squaw Creek~~ *Granite Mountain* Reservoir is located in Washoe County.

STANDARDS OF WATER QUALITY

~~Squaw Creek~~ *Granite Mountain* Reservoir

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY CRITERIA TO PROTECT BENEFICIAL USES	Beneficial Uses ^a										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY CRITERIA TO PROTECT BENEFICIAL USES	Beneficial Uses ^a										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern			Trout.										
Temperature - °C ΔT^b - °C		S.V. ≤ 20 $\Delta T = 0$			*								
pH - SU		S.V. 6.5 - 9.0			*								
Dissolved Oxygen - mg/L		S.V. ≥ 6.0			*								
Total Phosphorus (as P) - mg/L		S.V. ≤ 0.10			*	*							
Total Ammonia (as N) - mg/L		^c			*								
Total Dissolved Solids - mg/L		S.V. ≤ 500						*					
E. coli - cfu/100 mL ^d		G.M. ≤ 126 S.V. ≤ 410				*							
Fecal Coliform - No./100 mL		S.V. $\leq 1,000$		*									
Toxic Materials		^e											

* = The most restrictive beneficial use.

X = Beneficial use.

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

^b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

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

^d The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.

^e The water quality criteria for toxic materials are specified in NAC 445A.1236.

Sec. 4. NAC 445A.1432 is hereby amended to read as follows:

445A.1432 The designated beneficial uses for select bodies of water within the Humboldt

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		
Humboldt River near Osino	From the upstream source of the main stem to Osino.	X	X	X	X	X	X	X	X				Warm-water fishery	NAC 445A.1436

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		
Humboldt River at Palisade	From Osino to the Palisade Gage.	X	X	X	X	X	X	X	X				Warm-water fishery	NAC 445A.1438
Humboldt River at Battle Mountain	From the Palisade Gage to the Battle Mountain Gage.	X	X	X	X	X	X	X	X				Warm-water fishery	NAC 445A.1442
Humboldt River at State Highway 789	From the Battle Mountain Gage to where State Highway 789 crosses the Humboldt River.	X	X	X	X	X	X	X	X				Warm-water fishery	NAC 445A.1444
Humboldt River at Imlay	From where State Highway 789 crosses the Humboldt River to Imlay.	X	X	X	X	X	X	X	X				Warm-water fishery	NAC 445A.1446
Humboldt River at Woolsey	From Imlay to Woolsey.	X	X	X	X	X	X	X	X				Warm-water fishery	NAC 445A.1448
Humboldt River at Rodgers Dam	From Woolsey to Rodgers Dam.	X	X	X	X	X	X	X	X					NAC 445A.1452
Humboldt River at the Humboldt Sink	From Rodgers Dam to the Humboldt Sink.	X	X	X	X	X		X	X					NAC 445A.1454
The Humboldt Sink	The entire sink.	X	X	X		X		X	X					NAC 445A.1455
Humboldt River, North Fork and tributaries at the national forest boundary	From their origin in the Independence Mountain Range to the national forest boundary.	X	X	X	X	X	X	X	X					NAC 445A.1456
Humboldt River, North Fork at Beaver Creek	From the national forest boundary to its confluence with Beaver Creek.	X	X	X	X	X	X	X	X				Trout	NAC 445A.1458
Humboldt River, North Fork at the Humboldt River	From its confluence with Beaver Creek to its confluence with the Humboldt River.	X	X	X	X	X	X	X	X					NAC 445A.1462
Humboldt River, South Fork at South Fork Reservoir, including tributaries above Lee	From its origin to South Fork Reservoir, including its tributaries above Lee, except for the length of the river and the lengths of its tributaries within the exterior borders of the South Fork Indian Reservation.	X	X	X	X	X	X	X	X					NAC 445A.1464
South Fork Reservoir	The entire reservoir.	X	X	X	X	X	X	X	X				Trout	NAC 445A.1465
Humboldt River, South Fork at the Humboldt River	From South Fork Reservoir to its confluence with the Humboldt River.	X	X	X	X	X	X	X	X				Trout	NAC 445A.1466
Little Humboldt River	The entire length.	X	X	X	X	X	X	X	X					NAC 445A.1468
Little Humboldt River, North Fork at the national forest boundary	From its origin to the national forest boundary.	X	X	X	X	X	X	X	X				Trout	NAC 445A.1472
Little Humboldt River, North Fork at the South Fork of the Little Humboldt River	From the national forest boundary to its confluence with the South Fork of the Little Humboldt River.	X	X	X	X	X	X	X	X					NAC 445A.1474

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		
Little Humboldt River, South Fork at the Elko-Humboldt county line	From its origin to the Elko-Humboldt county line.	X	X	X	X	X	X	X	X				Trout	NAC 445A.1476
Little Humboldt River, South Fork at the North Fork of the Little Humboldt River	From the Elko-Humboldt county line to its confluence with the North Fork of the Little Humboldt River.	X	X	X	X	X	X	X	X					NAC 445A.1478
Marys River, upper	From its origin to the point where the river crosses the east line of T. 42 N., R. 59 E., M.D.B. & M.	X	X	X	X	X	X	X	X					NAC 445A.1482
Marys River at the Humboldt River	From the east line of T. 42 N., R. 59 E., M.D.B. & M., to its confluence with the Humboldt River.	X	X	X	X	X	X	X	X				Trout	NAC 445A.1484
Tabor Creek	From its origin to the east line of T. 40 N., R. 60 E., M.D.B. & M.	X	X	X	X	X	X	X	X					NAC 445A.1486
Maggie Creek Tributaries	From their origin to the point where they become Maggie Creek or the point of their confluence with Maggie Creek.	X	X	X	X	X	X	X	X					NAC 445A.1488
Maggie Creek at Jack Creek	From where it is formed by the Maggie Creek tributaries to its confluence with Jack Creek.	X	X	X	X	X	X	X	X				Trout	NAC 445A.1492
Maggie Creek at Soap Creek	From its confluence with Jack Creek to its confluence with Soap Creek.	X	X	X	X	X	X	X	X				Trout	NAC 445A.1494
Maggie Creek at the Humboldt River	From its confluence with Soap Creek to its confluence with the Humboldt River.	X	X	X	X	X	X	X	X					NAC 445A.1496
Secret Creek at the national forest boundary	From its origin to the national forest boundary.	X	X	X	X	X	X	X	X					NAC 445A.1498
Secret Creek at the Humboldt River	From the national forest boundary to its confluence with the Humboldt River.	X	X	X	X	X	X	X	X				Trout	NAC 445A.1502
Lamoille Creek at the gaging station	From its origin to gaging station number 10-316500, located in the NE 1/4 of section 6, T. 32 N., R. 58 E., M.D.B. & M.	X	X	X	X	X	X	X	X					NAC 445A.1504

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	
Lamoille Creek at the Humboldt River	From gaging station number 10-316500, located in the NE 1/4 of section 6, T. 32 N., R. 58 E., M.D.B. & M., to its confluence with the Humboldt River.	X	X	X	X	X	X	X	X				NAC 445A.1506
J.D. Ponds	The entire area.	X	X	X	X	X	X	X	X				NAC 445A.1508
Denay Creek at Tonkin Reservoir	From its origin to Tonkin Reservoir.	X	X	X	X	X	X	X	X				NAC 445A.1512
Tonkin Reservoir	The entire reservoir.	X	X	X	X	X	X	X	X				NAC 445A.1514
Denay Creek below Tonkin Reservoir	Below Tonkin Reservoir.	X	X	X	X	X	X	X	X				NAC 445A.1516
Rock Creek at {Squaw Valley Ranch} Willow Creek	From its origin to {Squaw Valley Ranch} its confluence with Willow Creek.	X	X	X	X	X	X	X	X			Trout	NAC 445A.1518
Rock Creek below {Squaw Valley Ranch} Willow Creek	Below {Squaw Valley Ranch} its confluence with Willow Creek.	X	X	X	X	X	X	X	X				NAC 445A.1522
Willow Creek at Willow Creek Reservoir	From its origin to Willow Creek Reservoir.	X	X	X	X	X	X	X	X			Trout	NAC 445A.1524
Willow Creek Reservoir	The entire reservoir.	X	X	X	X	X	X	X	X			Trout	NAC 445A.1526
North Antelope Creek	From its origin to its confluence with Antelope Creek.	X		X	X	X		X	X				NAC 445A.1527
Pole Creek	From its origin to the point of diversion of the Golconda water supply, near the north line of section 13, T. 35 N., R. 39 E., M.D.B. & M.	X	X	X	X	X	X	X	X			Trout	NAC 445A.1528
Water Canyon Creek	From its origin to the point of diversion of the Winnemucca municipal water supply, near the west line of section 12, T. 35 N., R. 38 E., M.D.B. & M.	X	X	X	X	X	X	X	X			Trout	NAC 445A.1532
Martin Creek at the national forest boundary	From its origin to the national forest boundary.	X	X	X	X	X	X	X	X			Trout	NAC 445A.1534
Martin Creek below the national forest boundary	From the national forest boundary to the first diversion in T. 42 N., R. 40 E., M.D.B. & M.	X	X	X	X	X	X	X	X			Trout	NAC 445A.1536
Dutch John Creek	The entire length.	X	X	X	X	X	X	X	X			Trout	NAC 445A.1538
Huntington Creek at the White Pine-Elko county line	From its origin to the White Pine-Elko county line.	X	X	X	X	X	X	X	X				NAC 445A.1542

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		
Huntington Creek at Smith Creek	From the White Pine-Elko county line to its confluence with Smith Creek.	X	X	X	X	X	X	X	X				Trout	NAC 445A.1544
Huntington Creek at the South Fork of the Humboldt River	From its confluence with Smith Creek to its confluence with the South Fork of the Humboldt River.	X	X	X	X	X	X	X	X					NAC 445A.1546
Green Mountain Creek at Toyn Creek	From its origin to its confluence with Toyn Creek.	X	X	X	X	X	X	X	X					NAC 445A.1548
Toyn Creek at Corral Creek	From its confluence with Green Mountain Creek to its confluence with Corral Creek.	X	X	X	X	X	X	X	X				Trout	NAC 445A.1552
Toyn Creek at Green Mountain Creek	From its origin to its confluence with Green Mountain Creek.	X	X	X	X	X	X	X	X					NAC 445A.1554
Reese River at Indian Creek	From its origin to its confluence with Indian Creek, except for the length of the river within the exterior borders of the Yomba Indian Reservation.	X	X	X	X	X	X	X	X				Trout	NAC 445A.1556
Reese River at State Route 722	From its confluence with Indian Creek to State Route 722 (old U.S. Highway 50), except for the length of the river within the exterior borders of the Yomba Indian Reservation.	X	X	X	X	X	X	X	X				Trout	NAC 445A.1558
Reese River below State Route 722	North of State Route 722 (old U.S. Highway 50).	X	X	X	X	X	X	X	X					NAC 445A.1562
San Juan Creek	From its origin to the national forest boundary.	X	X	X	X	X	X	X	X				Trout	NAC 445A.1564
Big Creek at the forest service campground	From its origin to the east boundary of the United States Forest Service's Big Creek Campground.	X	X	X	X	X	X	X	X				Trout	NAC 445A.1566
Big Creek below the forest service campground	From the east boundary of the United States Forest Service's Big Creek Campground to the first diversion dam, near the west line of section 4, T. 17 N., R. 43 E., M.D.B. & M.	X	X	X	X	X	X	X	X				Trout	NAC 445A.1568
Mill Creek	From its origin to the first point of diversion, near the south line of section 22, T. 29 N., R. 44 E., M.D.B. & M.	X	X	X	X	X	X	X	X				Trout	NAC 445A.1572

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		
Lewis Creek	From its origin to the first point of diversion, near the center of section 23, T. 30 N., R. 45 E., M.D.B. & M.	X	X	X	X	X	X	X	X				Trout	NAC 445A.1574
Iowa Canyon Reservoir	The entire reservoir.	X	X	X	X	X	X	X	X				Trout	NAC 445A.1576
Starr Creek	From the confluence of Ackler and Herder Creeks to its confluence with the Humboldt River.	X	X	X	X	X	X	X	X				Trout	NAC 445A.1578
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	Extraordinary ecological, aesthetic or recreational value													
Enhance	Enhancement of water quality													
Marsh	Maintenance of a freshwater marsh													

Sec. 5. NAC 445A.1518 is hereby amended to read as follows:

445A.1518 The limits of this table apply to the body of water known as Rock Creek from its origin to ~~{Squaw Valley Ranch,}~~ *its confluence with Willow Creek*. This segment of Rock Creek is located in Elko County.

STANDARDS OF WATER QUALITY

Rock Creek at ~~{Squaw Valley Ranch,}~~ *Willow Creek*

PARAMETER	REQUIREMENTS	WATER QUALITY	Beneficial Uses ^a
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	TO MAINTAIN EXISTING HIGHER QUALITY	CRITERIA TO PROTECT BENEFICIAL USES	Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern			Trout.										
Temperature - °C ΔT^b - °C		S.V. ≤ 20 $\Delta T = 0$			*								
pH - SU		S.V. 6.5 - 9.0			*								
Dissolved Oxygen - mg/L		S.V. ≥ 6.0			*								
Total Phosphorus (as P) - mg/L		S.V. ≤ 0.10			*	*							
Nitrate (as N) - mg/L		S.V. ≤ 10						*					
Nitrite (as N) - mg/L		S.V. ≤ 0.06			*								
Total Ammonia (as N) - mg/L		^c			*								
Total Suspended Solids - mg/L		S.V. ≤ 25			*								
Turbidity - NTU		S.V. ≤ 10			*								
Color - PCU		S.V. ≤ 75						*					
Total Dissolved Solids - mg/L		S.V. ≤ 500						*					
Chloride - mg/L		1-hr Avg. $\leq 860^d$ 96-hr Avg. ≤ 230			*								
Sulfate - mg/L		S.V. ≤ 250						*					
Alkalinity (as CaCO ₃) - mg/L		S.V. ≥ 20			*								
E. coli - cfu/100 mL ^e		G.M. ≤ 126 S.V. ≤ 410				*							
Fecal Coliform - No./100 mL		S.V. $\leq 1,000$		*									
Toxic Materials		^f											

* = The most restrictive beneficial use.

X = Beneficial use.

^a Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

^b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

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

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

^e The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.

^f The water quality criteria for toxic materials are specified in NAC 445A.1236.

Sec. 6. NAC 445A.1522 is hereby amended to read as follows:

445A.1522 The limits of this table apply to the body of water known as Rock Creek below

~~[Squaw Valley Ranch.]~~ *its confluence with Willow Creek.* This segment of Rock Creek is

located in Elko, Eureka and Lander Counties.

STANDARDS OF WATER QUALITY

Rock Creek below ~~Squaw Valley Ranch~~ *Willow Creek*

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY CRITERIA TO PROTECT BENEFICIAL USES	Beneficial Uses ^a										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern													
Temperature °C ΔT^b - °C		S.V. ≤ 34 $\Delta T \leq 3$			*								
pH - SU		S.V. 6.5 - 9.0			*								
Dissolved Oxygen - mg/L		S.V. ≥ 5.0			*								
Total Phosphorus (as P) - mg/L		S.V. ≤ 0.33			*								
Nitrate (as N) - mg/L		S.V. ≤ 10						*					
Nitrite (as N) - mg/L		S.V. ≤ 1.0						*					
Total Ammonia (as N) - mg/L		^c			*								
Total Suspended Solids - mg/L		S.V. ≤ 80			*								
Turbidity - NTU		S.V. ≤ 50			*								
Color - PCU		S.V. ≤ 75						*					
Total Dissolved Solids - mg/L		S.V. ≤ 500						*					
Chloride - mg/L		1-hr Avg. $\leq 860^d$ 96-hr Avg. ≤ 230			*								
Sulfate - mg/L		S.V. ≤ 250						*					
Alkalinity (as CaCO ₃) - mg/L		S.V. ≥ 20			*								
E. coli - cfu/100 mL ^e		G.M. ≤ 126 S.V. ≤ 410				*							
Fecal Coliform - No./100 mL		S.V. $\leq 1,000$		*									
Toxic Materials		^f											

* = The most restrictive beneficial use.

X = Beneficial use.

^a Refer to NAC 445A.122 and 445A.1432 for beneficial use terminology.

^b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

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

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

^e The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.

^f The water quality criteria for toxic materials are specified in NAC 445A.1236.

Sec. 7. NAC 445A.1882 is hereby amended to read as follows:

445A.1882 The designated beneficial uses for select bodies of water within the Walker

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		
Walker River, West Fork at the state line	At the California-Nevada state line.	X	X	X	X	X	X	X	X				Mountain whitefish, rainbow trout and brown trout	NAC 445A.1886
Topaz Lake	At various points in Topaz Lake.	X	X	X	X	X	X	X	X				Rainbow trout, cutthroat trout, brown trout, kokanee salmon and silver salmon	NAC 445A.1888
Walker River, West Fork near Wellington	From the California-Nevada state line to near Wellington.	X	X	X	X	X	X	X	X				Mountain whitefish, rainbow trout and brown trout	NAC 445A.1892
Walker River, West Fork at the East Fork of the Walker River	Near Wellington to its confluence with the East Fork of the Walker River near Nordyke Road.	X	X	X	X	X	X	X	X				Brown trout and rainbow trout	NAC 445A.1894
Sweetwater Creek	From the California-Nevada state line to its confluence with the East Fork of the Walker River.	X	X	X	X	X	X	X	X				Mountain whitefish, brown trout, brook trout and rainbow trout	NAC 445A.1896
Walker River, East Fork at the state line	At the California-Nevada state line.	X	X	X	X	X	X	X	X				Mountain whitefish, rainbow trout and brown trout	NAC 445A.1898
Walker River, East Fork at Bridge B-1475	From the California-Nevada state line to Bridge B-1475.	X	X	X	X	X	X	X	X				Mountain whitefish, rainbow trout and brown trout	NAC 445A.1902
Walker River, East Fork at the West Fork of the Walker River	From Bridge B-1475 to its confluence with the West Fork of the Walker River near Nordyke Road.	X	X	X	X	X	X	X	X				Brown trout and rainbow trout	NAC 445A.1904

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		
Walker River at the Walker River Indian Reservation	From the confluence of the East Fork of the Walker River and the West Fork of the Walker River to the exterior border of the Walker River Indian Reservation.	X	X	X	X	X	X	X	X				Channel catfish and largemouth bass	NAC 445A.1906
Walker River at Walker Lake	From the exterior border of the Walker River Indian Reservation to Walker Lake.	X	X	X	X	X	X	X	X				Channel catfish, largemouth bass and, from February through June when an adequate flow exists, adult Lahontan cutthroat trout and adult rainbow trout	NAC 445A.1908
Walker Lake	The entire lake.			X	X	X			X				Tui chub, Tahoe sucker, and adult and juvenile Lahontan cutthroat trout	NAC 445A.1914
Desert Creek	From the California-Nevada state line to its confluence with the West Fork of the Walker River.	X	X	X	X	X	X	X	X				Brown trout, brook trout and rainbow trout	NAC 445A.1916
Mason Valley Wildlife Management Area - Bass, Crappie and North Ponds and Hinkson Slough	Hinkson Slough, Bass Pond, Crappie Pond and North Pond.	X	X	X	X	X	X	X	X				Trout	NAC 445A.1918
Mason Valley Wildlife Management Area	All surface water impoundments, excluding Hinkson Slough, Bass Pond, Crappie Pond and North Pond.	X	X	X	X	X	X	X	X					NAC 445A.1922
Cottonwood Creek	From its origin to the point of diversion of the Hawthorne Naval Ammunition Depot, near the north line of section 34, T. 9 N., R. 28 E., M.D.B. & M.	X	X	X	X	X	X		X					NAC 445A.1926
Squaw Mud Spring Creek	From its origin to the point of diversion of the Hawthorne Naval Ammunition Depot, near the north line of section 33, T. 9 N., R. 29 E., M.D.B. & M.	X	X	X	X	X	X		X					NAC 445A.1928

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	
Rose Creek	From its origin to the point of diversion of the Hawthorne Naval Ammunition Depot, near the north line of section 4, T. 8 N., R. 29 E., M.D.B. & M.	X	X	X	X	X	X		X				NAC 445A.1932
Corey Creek	From its origin to the point of diversion of the town of Hawthorne, near the west line of section 3, T. 7 N., R. 29 E., M.D.B. & M.	X	X	X	X	X	X		X				NAC 445A.1934
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	Extraordinary ecological, aesthetic or recreational value												
Enhance	Enhancement of water quality												
Marsh	Maintenance of a freshwater marsh												

Sec. 8. NAC 445A.1928 is hereby amended to read as follows:

445A.1928 The limits of this table apply to the body of water known as ~~{Squaw}~~ **Mud Spring** Creek from its origin to the point of diversion of the Hawthorne Naval Ammunition Depot, near the north line of section 33, T. 9 N., R. 29 E., M.D.B. & M. ~~{Squaw}~~ **Mud Spring** Creek is located in Mineral County.

STANDARDS OF WATER QUALITY

~~{Squaw}~~ **Mud Spring** Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY CRITERIA TO PROTECT BENEFICIAL USES	Beneficial Uses ^a										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X		X			
Aquatic Life Species of Concern													
Temperature - °C ΔT^b - °C		S.V. ≤ 20 $\Delta T = 0$			*								
pH - SU		S.V. 6.5 - 9.0			*								
Dissolved Oxygen - mg/L		S.V. ≥ 6.0			*								
Total Phosphorus (as P) - mg/L		S.V. ≤ 0.10			*	*							
Total Ammonia (as N) - mg/L		^c			*								
Total Dissolved Solids - mg/L		S.V. ≤ 500						*					
E. coli - cfu/100 mL ^d		G.M. ≤ 126 S.V. ≤ 410				*							
Fecal Coliform - No./100 mL		S.V. $\leq 1,000$		*									
Toxic Materials		^e											

* = The most restrictive beneficial use.

X = Beneficial use.

^a Refer to NAC 445A.122 and 445A.1882 for beneficial use terminology.

^b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

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

^d The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.

^e The water quality criteria for toxic materials are specified in NAC 445A.1236.

Sec. 9. NAC 445A.2142 is hereby amended to read as follows:

445A.2142 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		

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	Colorado River, from Davis Dam to the California-Nevada state line, 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				Adult cold-water fishery	NAC 445A.2146
Lake Mohave	The entire lake.	X	X	X	X	X	X	X	X				Adult cold-water fishery	NAC 445A.2147
Colorado River below Hoover Dam	From Hoover Dam to Willow Beach.	X	X	X	X	X	X	X	X				Adult cold-water fishery	NAC 445A.2148
Lake Mead	Lake Mead, excluding the area covered by NAC 445A.2154, Inner Las Vegas Bay.	X	X	X	X	X	X	X	X				Warm-water fishery	NAC 445A.2152
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	NAC 445A.2154
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	Warm-water fish.	NAC 445A.2156
Las Vegas Wash at Lake Mead	From the Historic Lateral to its confluence with Lake Mead.	X	X	X		X			X			X	Warm-water fish.	NAC 445A.2158
Channels tributary to the Las Vegas Wash	Flamingo Wash, Sloan Channel, Duck Creek and Las Vegas Creek from the applicable origin to the confluence with the Las Vegas Wash. Pittman Wash from its origin to the confluence with Duck Creek. Tropicana Wash from its origin to the confluence with Flamingo Wash. Upper Las Vegas Wash from its origin to the confluence with Sloan Channel.					X			X					Section 1 of LCB File No. R115-22
Lake Las Vegas	The entire lake.		X	X	X	X			X				Warm-water fishery.	NAC 445A.2161
Virgin River at the state line	At the Arizona-Nevada state line, near Littlefield, Arizona.	X	X	X		X		X	X					NAC 445A.2162
Virgin River at Mesquite	From the Arizona-Nevada state line to Mesquite.	X	X	X		X		X	X					NAC 445A.2164
Virgin River at Lake Mead	From Mesquite to the river mouth at Lake Mead.	X	X	X		X		X	X					NAC 445A.2166

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	
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				NAC 445A.2168
Muddy River at the Wells Siding Diversion	From the Glendale Bridge to the Wells Siding Diversion.	X	X	X	X	X		X	X				NAC 445A.2172
Muddy River at Lake Mead	From the Wells Siding Diversion to the river mouth at Lake Mead.	X	X	X	X	X		X	X				NAC 445A.2174
Meadow Valley Wash	From the bridge above Rox to its confluence with the Muddy River.	X	X	X		X		X	X				NAC 445A.2176
Beaver Dam Wash	[Above Schroeder Reservoir.] <i>Within the State of Nevada.</i>	X	X	X	X	X	X	X	X				NAC 445A.2178
[Schroeder Reservoir]	The entire reservoir.	X	X	X	X	X	X	X	X			Trout	NAC 445A.2182]
White River at the national forest boundary	From its origin to the national forest boundary.	X	X	X	X	X	X		X				NAC 445A.2184
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	NAC 445A.2186
Dacey Reservoir	The entire reservoir.	X	X	X	X	X	X	X	X				NAC 445A.2188
Sunnyside Creek	From its origin to Adams McGill Reservoir.	X	X	X	X	X	X	X	X				NAC 445A.2192
Adams McGill Reservoir	The entire reservoir.	X	X	X	X	X	X	X	X				NAC 445A.2194
Hay Meadow Reservoir	The entire reservoir.	X	X	X	X	X	X	X	X			Trout	NAC 445A.2196
Nesbitt Lake	The entire lake.	X	X	X	X	X	X	X	X				NAC 445A.2198
Pahranagat Reservoir	The entire reservoir.	X	X	X	X	X	X	X	X				NAC 445A.2202
Bowman Reservoir	The entire reservoir.	X	X	X	X	X	X	X	X				NAC 445A.2204
Eagle Valley Creek	From its headwaters to Eagle Valley Reservoir.	X	X	X	X	X	X	X	X			Trout	NAC 445A.2206
Eagle Valley Reservoir	The entire reservoir.	X	X	X	X	X	X	X	X			Trout	NAC 445A.2208
Echo Canyon Reservoir	The entire reservoir.	X	X	X	X	X	X	X	X			Trout	NAC 445A.2212
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	NAC 445A.2214
Irrigation	Irrigation												
Livestock	Watering of livestock												
Contact	Recreation involving contact with the water												
Noncontact	Recreation not involving contact with the water												
Industrial	Industrial supply												

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	
Municipal	Municipal or domestic supply, or both												
Wildlife	Propagation of wildlife												
Aquatic	Propagation of aquatic life												
Aesthetic	Extraordinary ecological, aesthetic or recreational value												
Enhance	Enhancement of water quality												
Marsh	Maintenance of a freshwater marsh												

Sec. 10. NAC 445A.2144 is hereby amended to read as follows:

445A.2144 The standards for water quality for select bodies of water within the Colorado Region are prescribed in NAC 445A.2144 to 445A.2214, inclusive **H**, *and section 1 of this regulation.*

Sec. 11. NAC 445A.2146 is hereby amended to read as follows:

445A.2146 The limits of this table apply to the body of water known as the Colorado River from Davis Dam to the California-Nevada state line, except for the length of the river within the exterior borders of the Fort Mojave Indian Reservation. This segment of the Colorado River is located in Clark County.

STANDARDS OF WATER QUALITY

Colorado River below Davis Dam

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY CRITERIA TO PROTECT BENEFICIAL USES	Beneficial Uses ^a										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern			Adult cold-water fishery.										

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY CRITERIA TO PROTECT BENEFICIAL USES	Beneficial Uses ^a										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Temperature - °C ΔT ^b - °C	ΔT= 0	S.V. ≤ 24 ΔT ≤ 2			*								
pH - SU		S.V. 6.5 - 9.0 ΔpH ± 0.5			*								
Dissolved Oxygen - mg/L		S.V. ≥ 5.0			*								
Total Phosphorus (as P) - mg/L	A-Avg. ≤ 0.02 S.V. ≤ 0.03	A-Avg. ≤ 0.05			*	*							
Nitrate (as N) - mg/L	A-Avg. ≤ 1.1 S.V. ≤ 1.6	S.V. ≤ 10						*					
Nitrite (as N) - mg/L		S.V. ≤ 0.06			*								
Total Ammonia (as N) - mg/L		c			*								
Total Suspended Solids - mg/L		S.V. ≤ 25			*								
Turbidity - NTU		S.V. ≤ 10			*								
Color - PCU		S.V. ≤ 75						*					
Total Dissolved Solids Salinity - mg/L		<i>Flow weighted A-Avg. concentration ≤ 747^d</i>						*					
Chloride - mg/L		S.V. ≤ 400 h						*					
Sulfate - mg/L		S.V. ≤ 500 h						*					
Alkalinity (as CaCO ₃) - mg/L		S.V. ≥ 20			*								
E. coli - cfu/100 mL ^e		G.M. ≤ 126 S.V. ≤ 410				*							
Fecal Coliform - No./100 mL	A.G.M. ≤ 50 S.V. ≤ 100	S.V. ≤ 1,000		*									
Toxic Materials		f											

* = The most restrictive beneficial use.

X = Beneficial use.

^a Refer to NAC 445A.122 and 445A.2142 for beneficial use terminology.

^b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

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

^d ~~The salinity standards for the Colorado River system are specified in NAC 445A.1233.~~ *As used for this parameter, flow weighted annual average concentration means the total annual salt load divided by the total annual streamflow as measured at the Below Parker Dam station.*

^e The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.

^f The water quality criteria for toxic materials are specified in NAC 445A.1236.

Sec. 12. NAC 445A.2147 is hereby amended to read as follows:

445A.2147 The limits of this table apply to the body of water known as Lake Mohave, which extends from Willow Beach to Davis Dam. Lake Mohave is located in Clark County.

STANDARDS OF WATER QUALITY

Colorado River: Lake Mohave

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY CRITERIA TO PROTECT BENEFICIAL USES	Beneficial Uses ^a										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern			Adult cold-water fishery.										
Temperature - °C ΔT ^b - °C	ΔT = 0	S.V. ≤24 ΔT ≤ 2			*								
pH - SU		S.V. 6.5 - 9.0 ΔpH ± 0.5			*								
Dissolved Oxygen - mg/L		S.V. ≥ 5.0 ^e			*								
Total Phosphorus (as P) - mg/L		A-Avg. ≤ 0.05			*	*							
Nitrate (as N) - mg/L		S.V. ≤ 10						*					
Nitrite (as N) - mg/L		S.V. ≤ 0.06			*								
Total Ammonia (as N) - mg/L		d			*								
Total Suspended Solids - mg/L		S.V. ≤ 25			*								
Turbidity - NTU		S.V. ≤ 10			*								
Color - PCU		S.V. ≤ 75						*					
{Total Dissolved Solids} Salinity - mg/L		<i>Flow weighted A-Avg. concentration ≤ 747^e</i>						*					
Chloride - mg/L		S.V. ≤ 400 {e}						*					
Sulfate - mg/L		S.V. ≤ 500 {e}						*					
Alkalinity (as CaCO ₃) - mg/L		S.V. ≥ 20			*								
E. coli - cfu/100 mL ^f		G.M. ≤ 126 S.V. ≤ 410				*							
Fecal Coliform - No./100 mL		S.V. ≤ 1,000		*									
Toxic Materials		g											

* = The most restrictive beneficial use.

X = Beneficial use.

^a Refer to NAC 445A.122 and 445A.2142 for beneficial use terminology.

^b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

^c Applies to the epilimnion when stratified, or average in water column during periods of nonstratification.

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

^e ~~{The salinity standards for the Colorado River system are specified in NAC 445A.1233.}~~ *As used for this parameter, flow weighted annual average concentration means the total annual salt load divided by the total annual streamflow as measured at the Below Parker Dam station.*

^f The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.

^g The water quality criteria for toxic materials are specified in NAC 445A.1236.

Sec. 13. NAC 445A.2148 is hereby amended to read as follows:

445A.2148 The limits of this table apply to the body of water known as the Colorado River from Hoover Dam to Willow Beach. This segment of the Colorado River is located in Clark County.

STANDARDS OF WATER QUALITY

Colorado River below Hoover Dam

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY CRITERIA TO PROTECT BENEFICIAL USES	Beneficial Uses ^a										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern			Adult cold-water fishery.										
Temperature - °C ΔT^b - °C	$\Delta T = 0$	S.V. ≤ 24 $\Delta T \leq 2$			*								
pH - SU		S.V. 6.5 - 9.0 $\Delta pH \pm 0.5$			*								
Dissolved Oxygen - mg/L		S.V. ≥ 5.0			*								
Total Phosphorus (as P) - mg/L	A-Avg. ≤ 0.02 S.V. ≤ 0.033	A-Avg. ≤ 0.05			*	*							
Total Nitrogen (as N) - mg/L	A-Avg. ≤ 1.0 S.V. ≤ 1.5				*	*							
Nitrate (as N) - mg/L		S.V. ≤ 10						*					
Nitrite (as N) - mg/L		S.V. ≤ 0.06			*								
Total Ammonia (as N) - mg/L		c			*								
Total Suspended Solids - mg/L		S.V. ≤ 25			*								
Chloride - mg/L		S.V. ≤ 400 fd						*					
Sulfate - mg/L		S.V. ≤ 500 fd						*					
Turbidity - NTU		S.V. ≤ 10			*								
Color - PCU		S.V. ≤ 75						*					
{Total Dissolved Solids} Salinity - mg/L		<i>Flow weighted A-Avg. concentration $\leq 747^b$</i>						*					
Alkalinity (as CaCO ₃) - mg/L		S.V. ≥ 20			*								
E. coli - cfu/100 mL ^e		G.M. ≤ 126 S.V. ≤ 410				*							
Fecal Coliform - No./100 mL	A.G.M. ≤ 50 S.V. ≤ 100	S.V. $\leq 1,000$		*									
Toxic Materials		f											

* = The most restrictive beneficial use.

X = Beneficial use.

^a Refer to NAC 445A.122 and 445A.2142 for beneficial use terminology.

- ^b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.
- ^c The water quality criteria for ammonia are specified in NAC 445A.118.
- ^d ~~The salinity standards for the Colorado River system are specified in NAC 445A.1233.~~ *As used for this parameter, flow weighted annual average concentration means the total annual salt load divided by the total annual streamflow as measured at the Below Parker Dam station.*
- ^e The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.
- ^f The water quality criteria for toxic materials are specified in NAC 445A.1236.

Sec. 14. NAC 445A.2152 is hereby amended to read as follows:

445A.2152 The limits of this table apply to the body of water known as Lake Mead, excluding the area covered by NAC 445A.2154, Inner Las Vegas Bay. Lake Mead is located in Clark County.

STANDARDS OF WATER QUALITY

Lake Mead

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY CRITERIA TO PROTECT BENEFICIAL USES	Beneficial Uses ^a										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern			Warm-water fishery.										
Temperature ΔT ^b - °C	ΔT= 0	ΔT≤ 2			*								
pH - SU	95% of S.V. samples ≤ 8.8	S.V. 6.5 - 9.0			*								
Dissolved Oxygen - mg/L		S.V. ≥ 5.0 ^c			*								
Total Inorganic Nitrogen (as N) - mg/L	95% of S.V. samples ≤ 4.5				*	*							
Nitrate (as N) - mg/L		S.V. ≤ 10							*				
Nitrite (as N) - mg/L		S.V. ≤ 1							*				
Total Ammonia (as N) - mg/L		d			*								
Chlorophyll a - μg/L	e				*	*							
Total Suspended Solids - mg/L		S.V. ≤ 25			*								
Turbidity - NTU	f	S.V. ≤ 25			*								
Color - PCU	g								*				

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY CRITERIA TO PROTECT BENEFICIAL USES	Beneficial Uses ^a										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Total Dissolved Solids - mg/L	{Flow Weighted A-Avg. Concentration ≤ 723 measured below Hoover Dam^h}	S.V. ≤ 1000						*					
Salinity - mg/L		Flow weighted A-Avg. concentration ≤ 723^h						*					
Chloride - mg/L		S.V. ≤ 400 h						*					
Sulfate - mg/L		S.V. ≤ 500 h						*					
E. coli - cfu/100 mL h ⁱ		G.M. ≤ 126 S.V. ≤ 410				*							
Fecal Coliform - No./100 mL		≤ 200/400 h ^j				*							
Toxic Materials		h ^k											

* = The most restrictive beneficial use.

X = Beneficial use.

^a Refer to NAC 445A.122 and 445A.2142 for beneficial use terminology.

^b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone.

^c Applies to the epilimnion when stratified, or average in water column during periods of nonstratification.

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

^e The requirements for chlorophyll *a* are:

¹ Not more than 1 monthly mean in a calendar year at Station LWLVB 1.85 may exceed 45 µg/L. Station LWLVB 1.85 is located at the center of the channel at a distance of 1.85 miles into Las Vegas Bay from the confluence of the Las Vegas Wash with Lake Mead.

² The mean for chlorophyll *a* in summer (July 1-September 30) must not exceed 40 µg/L at Station LWLVB 1.85, and the mean for 4 consecutive summer years must not exceed 30 µg/L. The sample must be collected from the center of the channel and must be representative of the top 5 meters of the channel. Station LWLVB 1.85 is located at the center of the channel at a distance of 1.85 miles into Las Vegas Bay from the confluence of the Las Vegas Wash with Lake Mead.

³ The mean for chlorophyll *a* in the growing season (April 1-September 30) must not exceed 16 µg/L at Station LWLVB 2.7 and 9 µg/L at Station LWLVB 3.5. Station LWLVB 2.7 is located at a distance of 2.7 miles into Las Vegas Bay from the confluence of the Las Vegas Wash with Lake Mead. Station LWLVB 3.5 is located at a distance of 3.5 miles into Las Vegas Bay from the confluence of the Las Vegas Wash with Lake Mead.

⁴ The mean for chlorophyll *a* in the growing season (April 1-September 30) must not exceed 5 µg/L in the open water of Boulder Basin, Virgin Basin, Gregg Basin and Pierce Basin. The single value must not exceed 10 µg/L for more than 5 percent of the samples.

⁵ Not less than two samples per month must be collected between the months of March and October. During the months when only one sample is available, that value must be used in place of the monthly mean.

^f Turbidity must not exceed that characteristic of natural conditions by more than 10 NTU.

^g Color must not exceed that characteristic of natural conditions by more than 10 PCU.

^h ~~{The salinity standards for the Colorado River system are specified in NAC 445A.1233.~~

~~ⁱ The combination of this constituent with other constituents comprising TDS must not result in the violation of the TDS standards for Lake Mead and the Colorado River.~~

^j **As used for this parameter, flow weighted annual average concentration means the total annual salt load divided by the total annual streamflow as measured at the Below Hoover Dam station.**

ⁱ The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.

~~^h~~ ^j Based on a minimum of not less than five samples taken over a 30-day period, the fecal coliform bacterial level must not exceed a log mean of 200 per 100 milliliters, nor must more than 10 percent of the total samples taken during any 30-day period exceed 400 per 100 milliliters.

~~^h~~ ^k The water quality criteria for toxic materials are specified in NAC 445A.1236.

^l The Commission recognizes that at entrances of tributaries to Lake Mead, localized exceedance of standards may occur.

Sec. 15. NAC 445A.2154 is hereby amended to read as follows:

445A.2154 The limits of this table apply to the body of water known as Inner Las Vegas Bay, consisting of Lake Mead from the confluence of the Las Vegas Wash with Lake Mead to 1.2 miles into Las Vegas Bay. Inner Las Vegas Bay is located in Clark County.

STANDARDS OF WATER QUALITY

Inner Las Vegas Bay

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY CRITERIA TO PROTECT BENEFICIAL USES	Beneficial Uses ^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			Warm-water fishery.										
Temperature ΔT^b - °C	$\Delta T = 0$	$\Delta T \leq 2$			*								
pH - SU	95% of S.V. samples ≤ 8.9	S.V. 6.5 - 9.0			*								
Dissolved Oxygen - mg/L		S.V. $\geq 5.0^c$			*								
Total Inorganic Nitrogen (as N) - mg/L	95% of S.V. samples ≤ 5.3				*								
Nitrate (as N) - mg/L		S.V. ≤ 90			*								
Nitrite (as N) - mg/L		S.V. ≤ 5			*								
Total Ammonia (as N) - mg/L		^d			*								
Total Suspended Solids - mg/L		S.V. ≤ 25			*								
Turbidity - NTU	^e	S.V. ≤ 25			*								
Total Dissolved Solids - mg/L ^f		S.V. ≤ 3000	*										
E. coli - cfu/100 mL		A.G.M. ≤ 630					*						
Fecal Coliform No./100mL		$\leq 200/400$ ^g					*						
Toxic Materials		^h											

* = The most restrictive beneficial use.

X = Beneficial use.

^a Refer to NAC 445A.122 and 445A.2142 for beneficial use terminology.

^b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone.

^c Applies to the epilimnion when stratified, or average in water column during periods of nonstratification.

^d The requirement for water quality with regard to the concentration of total ammonia is provided pursuant to the provisions of NAC 445A.118. Data must be collected at Station LWLVB 1.2. Station LWLVB 1.2 is located at the center of the channel at a distance of 1.2 miles into Las Vegas Bay from the confluence of the Las Vegas Wash with Lake Mead.

^e Turbidity must not exceed that characteristic of natural conditions by more than 10 NTU.

^f ~~The salinity standards for the Colorado River system are specified in NAC 445A.1233.~~

~~g~~ Any discharge from a point source into Las Vegas Wash must not exceed a log mean of 200 per 100 milliliters based on a minimum of not less than five samples taken over a 30-day period, nor may more than 10 percent of the total samples taken during any 30-day period exceed 400 per 100 milliliters.

~~h~~ ^f The water quality criteria for toxic materials are specified in NAC 445A.1236.

→ The Commission recognizes that water quality standards for the ~~inner~~ **Inner** Las Vegas Bay may be exceeded during storm and flash flood events. During these events, the beneficial use of noncontact recreation and the E. coli water quality criteria do not apply.

Sec. 16. NAC 445A.2161 is hereby amended to read as follows:

445A.2161 The limits of this table apply to the entire body of water known as Lake Las

Vegas. Lake Las Vegas is located in Clark County.

STANDARDS OF WATER QUALITY

Lake Las Vegas

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY CRITERIA TO PROTECT BENEFICIAL USES	Beneficial Uses ^a									
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance
Beneficial Uses				X	X	X	X			X		
Aquatic Life Species of Concern.			Warm-water fish.									
Temperature ΔT^b - °C		$\Delta T \leq 2$			*							
pH - SU		S.V. 6.5 - 9.0			*							
Dissolved Oxygen - mg/L		S.V. $\geq 5.0^c$			*							
Chlorophyll a - µg/L		^d			*	*						
Turbidity - NTU		S.V. $\leq 10^e$			*							
Total Dissolved Solids - mg/L		S.V. ≤ 2000 h		*								
Fecal Coliform - No./100ml		S.V. $\leq 1,000$		*								
E. coli - cfu/100 mL h ^f		G.M. ≤ 126 S.V. ≤ 410				*						
Toxic Materials		h ^f										

* = The most restrictive beneficial use.

^a Refer to NAC 445A.122 and 445A.2142 for beneficial use terminology.

^b Average temperature in the epilimnion should not exceed 2°C above ambient temperature (i.e., temperature in epilimnion of Lake Mead).

^c Applies to the epilimnion when stratified, or average in water column during periods of nonstratification.

^d The seasonal average chlorophyll-a concentration within 0-2.5 m, April through September, should not exceed 15 µg/L.

- ^e Turbidity must not exceed that characteristic of natural conditions by more than 10 Nephelometric Turbidity Units (NTU).
^f ~~The salinity standards for the Colorado River system are specified in NAC 445A.1233.~~
^g The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.
^h ^f The water quality criteria for toxic materials are specified in NAC 445A.1236.
ⁱ The Commission recognizes that storm waters from Las Vegas Wash may enter Lake Las Vegas during storm and flash-flood events and that localized exceedance of the standards may occur during such events.

Sec. 17. NAC 445A.2162 is hereby amended to read as follows:

445A.2162 The limits of this table apply to the body of water known as the Virgin River at the Arizona-Nevada state line, near Littlefield, Arizona. This segment of the Virgin River is located in Clark County.

STANDARDS OF WATER QUALITY

Virgin River at the state line

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY CRITERIA TO PROTECT BENEFICIAL USES	Beneficial Uses ^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. Nov-Jun ≤ 21 S.V. Jul-Oct ≤ 32			*							
ΔT ^b - °C	ΔT = 0	ΔT ≤ 2			*							
pH - SU		S.V. 6.5 - 9.0 ΔpH ± 0.5			*							
Dissolved Oxygen - mg/L		S.V. ≥ 5.0			*							
Total Phosphorus (as P) - mg/L	A-Avg. ≤ 0.06 S.V. ≤ 0.1	A-Avg. ≤ 0.1			*							
Total Nitrogen (as N) - mg/L	S.V. ≤ 2.4 A-Avg. ≤ 3.2				*							
Nitrate (as N) - mg/L		S.V. ≤ 90			*							
Nitrite (as N) - mg/L		S.V. ≤ 5.0			*							
Total Ammonia (as N) - mg/L		^c			*							
Turbidity - NTU		S.V. ≤ 50			*							
Total Dissolved Solids - mg/L		^d		^f								
Alkalinity (as CaCO ₃) - mg/L		S.V. ≥ 20			*							
E. coli - cfu/100 mL		A.G.M. ≤ 630					*					

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY CRITERIA TO PROTECT BENEFICIAL USES	Beneficial Uses ^a										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Fecal Coliform - No./100 mL	A.G.M. ≤ 450 S.V. ≤ 1800	S.V. ≤ 1,000		*									
Toxic Materials		fel ^d											

* = The most restrictive beneficial use.

X = Beneficial use.

^a Refer to NAC 445A.122 and 445A.2142 for beneficial use terminology.

^b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

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

^d ~~The salinity standards for the Colorado River system are specified in NAC 445A.1233.~~

^e The water quality criteria for toxic materials are specified in NAC 445A.1236.

Sec. 18. NAC 445A.2164 is hereby amended to read as follows:

445A.2164 The limits of this table apply to the body of water known as the Virgin River from the Arizona-Nevada state line to Mesquite. This segment of the Virgin River is located in Clark County.

STANDARDS OF WATER QUALITY

Virgin River at Mesquite

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY CRITERIA TO PROTECT BENEFICIAL USES	Beneficial Uses ^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. Nov-Jun ≤ 21 S.V. Jul-Oct ≤ 32			*								
ΔT ^b - °C	ΔT = 0	ΔT ≤ 2			*								
pH - SU		S.V. 6.5 - 9.0 ΔpH ± 0.5			*								
Dissolved Oxygen - mg/L		S.V. ≥ 5.0			*								
Total Phosphorus (as P) - mg/L		A-Avg. ≤ 0.1			*								

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY CRITERIA TO PROTECT BENEFICIAL USES	Beneficial Uses ^a										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Total Nitrogen (as N) - mg/L	S.V. ≤ 0.9 A-Avg. ≤ 1.6				*								
Nitrate (as N) - mg/L		S.V. ≤ 90			*								
Nitrite (as N) - mg/L		S.V. ≤ 5.0			*								
Total Ammonia (as N) - mg/L		c			*								
Turbidity - NTU		S.V. ≤ 50			*								
Total Dissolved Solids- mg/L		d		*									
Alkalinity (as CaCO ₃) - mg/L		S.V. ≥ 20			*								
E. coli - cfu/100 mL		A.G.M. ≤ 630					*						
Fecal Coliform - No./100 mL	A.G.M. ≤ 300 S.V. ≤ 550	S.V. ≤ 1,000		*									
Toxic Materials		e ^d											

* = The most restrictive beneficial use.

X = Beneficial use.

^a Refer to NAC 445A.122 and 445A.2142 for beneficial use terminology.

^b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

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

^d ~~The salinity standards for the Colorado River system are specified in NAC 445A.1233.~~

~~e~~ The water quality criteria for toxic materials are specified in NAC 445A.1236.

Sec. 19. NAC 445A.2166 is hereby amended to read as follows:

445A.2166 The limits of this table apply to the body of water known as the Virgin River from Mesquite to the river mouth at Lake Mead. This segment of the Virgin River is located in Clark County.

STANDARDS OF WATER QUALITY

Virgin River at Lake Mead

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY CRITERIA TO PROTECT BENEFICIAL USES	Beneficial Uses ^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. Nov-Jun ≤ 21 S.V. Jul-Oct ≤ 32 ΔT ≤ 2			*								
ΔT ^b - °C	ΔT = 0				*								
pH - SU		S.V. 6.5 - 9.0 ΔpH ± 0.5			*								
Dissolved Oxygen - mg/L		S.V. ≥ 5.0			*								
Total Phosphorus (as P) - mg/L		A-Avg. ≤ 0.1			*								
Total Nitrogen (as N) - mg/L	A-Avg. ≤ 2.9 S.V. ≤ 6.1				*								
Nitrate (as N) - mg/L		S.V. ≤ 90			*								
Nitrite (as N) - mg/L		S.V. ≤ 5.0			*								
Total Ammonia (as N) - mg/L		^c			*								
Turbidity - NTU		S.V. ≤ 50			*								
Total Dissolved Solids - mg/L		^d		*									
Alkalinity (as CaCO ₃) - mg/L		S.V. ≥ 20			*								
E. coli - cfu/100 mL		A.G.M. ≤ 630					*						
Fecal Coliform - No./100 mL	A.G.M. ≤ 625 S.V. ≤ 1250	S.V. ≤ 1,000		*									
Toxic Materials		fe ^d											

* = The most restrictive beneficial use.

X = Beneficial use.

^a Refer to NAC 445A.122 and 445A.2142 for beneficial use terminology.

^b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

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

^d ~~The salinity standards for the Colorado River system are specified in NAC 445A.1233.~~

^e The water quality criteria for toxic materials are specified in NAC 445A.1236.

Sec. 20. NAC 445A.2168 is hereby amended to read as follows:

445A.2168 The limits of this table apply to the body of water known as the Muddy River from the river source to the Glendale Bridge, except for the length of the river within the exterior borders of the Moapa Indian Reservation. This segment of the Muddy River is located in Clark County.

STANDARDS OF WATER QUALITY

Muddy River at the Glendale Bridge

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY CRITERIA TO PROTECT BENEFICIAL USES	Beneficial Uses ^a										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern													
Temperature °C - Source Springs to Warm Springs Bridge		19≤ 19 S.V. ≤32											
Warm Springs Bridge to Glendale Bridge		15≤ 15 S.V. ≤30			*								
ΔT ^b	ΔT= 0 1°C	ΔT≤2 1°C											
pH - SU		S.V. 6.5 - 9.0 ΔpH± 0.5 Max.			*								
Dissolved Oxygen - mg/L		S.V. ≥ 5.0			*								
Total Phosphorus (as P) - mg/L		A-Avg. ≤ 0.1			*	*							
Total Nitrogen (as N) - mg/L	A-Avg. ≤ 1.3 S.V. ≤ 1.4				*								
Nitrate (as N) - mg/L		S.V. ≤ 10						*					
Nitrite (as N) - mg/L		S.V. ≤ 1.0						*					
Total Ammonia (as N) - mg/L		c			*								
Turbidity - NTU		S.V. ≤ 50			*								
Color - PCU		S.V. ≤ 75						*					
Total Dissolved Solids - mg/L		d						*					
Alkalinity (as CaCO ₃) - mg/L		S.V. ≥ 20			*								
E. coli - cfu/100 mL e ^d		G.M. ≤ 126 S.V. ≤ 410				*							
Fecal Coliform - No./100 mL		S.V. ≤ 1,000		*									
Fluoride (as total recoverable) - mg/L		S.V. ≤ 2.6		*									
Toxic Materials		f ^e											

* = The most restrictive beneficial use.

X = Beneficial use.

^a Refer to NAC 445A.122 and 445A.2142 for beneficial use terminology.

^b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

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

^d ~~The salinity standards for the Colorado River system are specified in NAC 445A.1233.~~

- e] The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.
- f] The water quality criteria for toxic materials are specified in NAC 445A.1236.

Sec. 21. NAC 445A.2172 is hereby amended to read as follows:

445A.2172 The limits of this table apply to the body of water known as the Muddy River from the Glendale Bridge to the Wells Siding Diversion. This segment of the Muddy River is located in Clark County.

STANDARDS OF WATER QUALITY

Muddy River at the Wells Siding Diversion

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY CRITERIA TO PROTECT BENEFICIAL USES	Beneficial Uses ^a										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X		X	X			
Aquatic Life Species of Concern													
Temperature °C - ΔT ^b	ΔT = 0 °C	15 ≤ 14 S.V. ≤ 30 ΔT ≤ 2 °C			*								
pH - SU		S.V. 6.5 - 9.0 ΔpH ± 0.5 Max.			*								
Dissolved Oxygen - mg/L		S.V. ≥ 5.0			*								
Total Phosphorus (as P) - mg/L		A-Avg. ≤ 0.3			*	*							
Nitrate (as N) - mg/L		S.V. ≤ 90			*								
Nitrite (as N) - mg/L		S.V. ≤ 5.0			*								
Total Ammonia (as N) - mg/L		c			*								
Turbidity - NTU		S.V. ≤ 50			*								
Total Dissolved Solids - mg/L		d		*									
Alkalinity (as CaCO ₃) - mg/L		S.V. ≥ 20			*								
E. coli - cfu/100 mL h ^d		G.M. ≤ 126 S.V. ≤ 410				*							
Fecal Coliform - No./100 mL		S.V. ≤ 1,000		*									
Fluoride (as total recoverable) - mg/L		S.V. ≤ 2.6		*									
Toxic Materials		h ^e											

* = The most restrictive beneficial use.

X = Beneficial use.

^a Refer to NAC 445A.122 and 445A.2142 for beneficial use terminology.

^b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

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

^d ~~The salinity standards for the Colorado River system are specified in NAC 445A.1233.~~

^e The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.

^f The water quality criteria for toxic materials are specified in NAC 445A.1236.

Sec. 22. NAC 445A.2174 is hereby amended to read as follows:

445A.2174 The limits of this table apply to the body of water known as the Muddy River from the Wells Siding Diversion to the river mouth at Lake Mead. This segment of the Muddy River is located in Clark County.

STANDARDS OF WATER QUALITY

Muddy River at Lake Mead

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY CRITERIA TO PROTECT BENEFICIAL USES	Beneficial Uses ^a										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X		X	X			
Aquatic Life Species of Concern													
Temperature °C - ΔT ^b	ΔT = 0 °C	H.S.V. ≤ 32 ΔT ≤ 2 °C			*								
pH - SU		S.V. 6.5 - 9.0 ΔpH ± 0.5 Max.			*								
Dissolved Oxygen - mg/L		S.V. ≥ 5.0			*								
Total Phosphorus (as P) - mg/L		A-Avg. ≤ 0.3			*	*							
Total Nitrogen (as N) - mg/L	A-Avg. ≤ 1.3 S.V. ≤ 1.8				*	*							
Nitrate (as N) - mg/L		S.V. ≤ 90			*								
Nitrite (as N) - mg/L		S.V. ≤ 5.0			*								
Total Ammonia (as N) - mg/L		^c			*								
Turbidity - NTU		S.V. ≤ 50			*								
Total Dissolved Solids - mg/L		^d		*									
Alkalinity (as CaCO ₃) - mg/L		S.V. ≥ 20			*								

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY CRITERIA TO PROTECT BENEFICIAL USES	Beneficial Uses ^a										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
E. coli - cfu/100 mL † ^d		G.M. ≤ 126 S.V. ≤ 410				*							
Fecal Coliform - No./100 mL	A.G.M. ≤ 500 S.V. ≤ 1300	S.V. ≤ 1,000		*									
Boron (as total recoverable) - mg/L		S.V. ≤ 2.0		*									
Fluoride (as total recoverable) - mg/L		S.V. ≤ 3.6		*									
Toxic Materials		† ^e											

* = The most restrictive beneficial use.

X = Beneficial use.

^a Refer to NAC 445A.122 and 445A.2142 for beneficial use terminology.

^b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

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

^d ~~†~~ The salinity standards for the Colorado River system are specified in NAC 445A.1233.

^e ~~†~~ The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.

~~†~~ ^e The water quality criteria for toxic materials are specified in NAC 445A.1236.

Sec. 23. NAC 445A.2176 is hereby amended to read as follows:

445A.2176 The limits of this table apply to the body of water known as the Meadow Valley

Wash from the bridge above Rox to the Muddy River. The Meadow Valley Wash is located in

Clark and Lincoln Counties.

STANDARDS OF WATER QUALITY

Meadow Valley Wash

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY CRITERIA TO PROTECT BENEFICIAL USES	Beneficial Uses ^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													

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY CRITERIA TO PROTECT BENEFICIAL USES	Beneficial Uses ^a										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Temperature - °C		S.V. Nov-Jun ≤ 21 S.V. Jul-Oct ≤ 32			*								
ΔT ^b - °C	ΔT = 0	ΔT ≤ 2			*								
pH - SU		S.V. 6.5 - 9.0 ΔpH ± 0.5			*								
Dissolved Oxygen - mg/L		S.V. ≥ 5.0			*								
Total Phosphorus (as P) - mg/L		A-Avg. ≤ 0.1			*								
Total Nitrogen (as N) - mg/L	A-Avg. ≤ 2.0 S.V. ≤ 3.3				*								
Nitrate (as N) - mg/L		S.V. ≤ 90			*								
Nitrite (as N) - mg/L		S.V. ≤ 5.0			*								
Total Ammonia (as N) - mg/L		^c			*								
Turbidity - NTU		S.V. ≤ 50			*								
Total Dissolved Solids - mg/L		^d		*									
Alkalinity (as CaCO ₃) - mg/L		S.V. ≥ 20			*								
E. coli - cfu/100 mL		A.G.M. ≤ 630					*						
Fecal Coliform - No./100 mL		S.V. ≤ 1,000		*									
Toxic Materials		^e ^d											

* = The most restrictive beneficial use.

X = Beneficial use.

^a Refer to NAC 445A.122 and 445A.2142 for beneficial use terminology.

^b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

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

^d ~~The salinity standards for the Colorado River system are specified in NAC 445A.1233.~~

^e The water quality criteria for toxic materials are specified in NAC 445A.1236.

Sec. 24. NAC 445A.2178 is hereby amended to read as follows:

445A.2178 The limits of this table apply to the body of water known as the Beaver Dam

Wash ~~above Schroeder Reservoir.~~ *within the State of Nevada.* The Beaver Dam Wash is

located in Lincoln County.

STANDARDS OF WATER QUALITY

Beaver Dam Wash

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY CRITERIA TO PROTECT BENEFICIAL USES	Beneficial Uses ^a										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern													
Temperature - °C		S.V. Nov-Apr ≤ 13 S.V. May-Jun ≤ 17 S.V. Jul-Oct ≤ 23 ΔT ≤ 2			*								
ΔT ^b - °C	ΔT = 0				*								
pH - SU		S.V. 6.5 - 9.0 ΔpH ± 0.5			*								
Dissolved Oxygen - mg/L		S.V. Nov-May ≥ 6.0 S.V. Jun-Oct ≥ 5.0			*								
Total Phosphorus (as P) - mg/L	A-Avg. ≤ 0.01 S.V. ≤ 0.013	A-Avg. ≤ 0.05			*	*							
Nitrate (as N) - mg/L	S.V. ≤ 0.22	S.V. ≤ 10.0						*					
Nitrite (as N) - mg/L		S.V. ≤ 0.06			*								
Total Ammonia (as N) - mg/L		^c			*								
Total Suspended Solids - mg/L		S.V. ≤ 25			*								
Turbidity - NTU		S.V. ≤ 10			*								
Color - PCU		S.V. ≤ 75						*					
Total Dissolved Solids - mg/L		^d						*					
Alkalinity (as CaCO ₃) - mg/L		S.V. ≥ 20			*								
E. coli - cfu/100 mL ^e		G.M. ≤ 126 S.V. ≤ 410				*							
Fecal Coliform - No./100 mL		S.V. ≤ 1,000		*									
Toxic Materials		^f											

* = The most restrictive beneficial use.

X = Beneficial use.

^a Refer to NAC 445A.122 and 445A.2142 for beneficial use terminology.

^b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

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

~~^d The salinity standards for the Colorado River system are specified in NAC 445A.1233.~~

~~^e The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.~~

~~^f The water quality criteria for toxic materials are specified in NAC 445A.1236.~~

Sec. 25. NAC 445A.2204 is hereby amended to read as follows:

445A.2204 The limits of this table apply to the entire body of water known as Bowman Reservoir. Bowman Reservoir is located in Clark County.

STANDARDS OF WATER QUALITY

Bowman Reservoir

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY CRITERIA TO PROTECT BENEFICIAL USES	Beneficial Uses ^a										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern													
Temperature - °C ΔT^b		fj S.V. ≤ 34 $\Delta T \leq 3$ fj			*								
pH - SU		S.V. 6.5 - 9.0			*								
Dissolved Oxygen - mg/L		S.V. ≥ 5.0			*								
Total Phosphorus (as P) - mg/L		S.V. ≤ 0.33			*								
Total Ammonia (as N) - mg/L		^c			*								
fj Total Dissolved Solids - mg/L		^d						fj					
E. coli - cfu/100 mL fj ^d		G.M. ≤ 126 S.V. ≤ 410				*							
Fecal Coliform - No./100 mL		S.V. $\leq 1,000$		*									
Fluoride (as total recoverable) - mg/L		S.V. ≤ 2.6		*									
Toxic Materials		fj ^e											

* = The most restrictive beneficial use.

X = Beneficial use.

^a Refer to NAC 445A.122 and 445A.2142 for beneficial use terminology.

^b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

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

^d ~~fj~~ The salinity standards for the Colorado River system are specified in NAC 445A.1233.

^e The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.

~~fj~~ ^e The water quality criteria for toxic materials are specified in NAC 445A.1236.

Sec. 26. NAC 445A.0865, 445A.1233 and 445A.2182 are hereby repealed.

TEXT OF REPEALED SECTIONS

445A.0865 “Flow weighted annual average concentration” defined. (NRS 445A.425)

“Flow weighted annual average concentration” means a value calculated by:

1. Multiplying, not more than once each day during a 365-day period, the concentration of pollutants present in a sample of water by the rate of flow of the water at the location and time at which the sample is taken;
2. Summing the amounts determined pursuant to subsection 1 during a 365-day period;
3. Dividing the sum determined pursuant to subsection 2 by the total number of days the concentration of pollutants is measured pursuant to subsection 1 during a 365-day period; and
4. Dividing the amount determined pursuant to subsection 3 by the annual mean flow.

445A.1233 Cooperation regarding Colorado River; salinity standards. (NRS 445A.425, 445A.520)

1. The State of Nevada will cooperate with the other Colorado River Basin states and the Federal Government to support and carry out the conclusions and recommendations adopted April 27, 1972, by the Reconvened 7th Session of the Conference in the Matter of Pollution of the Interstate Waters of the Colorado River and its Tributaries.

2. Pursuant to the “2017 Review - Water Quality Standards for Salinity, Colorado River System,” as adopted by the Colorado River Basin Salinity Control Forum, the flow weighted annual average concentrations for the calendar year for total dissolved solids in mg/L at the three lower main stem stations of the Colorado River are as follows:

Station	Salinity in mg/L
Below Hoover Dam.....	723
Below Parker Dam	747
At Imperial Dam.....	879

445A.2182 Colorado Region: Schroeder Reservoir. (NRS 445A.425, 445A.520) The limits of this table apply to the entire body of water known as Schroeder Reservoir. Schroeder Reservoir is located in Lincoln County.

STANDARDS OF WATER QUALITY

Schroeder Reservoir

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY CRITERIA TO PROTECT BENEFICIAL USES	Beneficial Uses ^a										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Beneficial Uses			X	X	X	X	X	X	X	X			
Aquatic Life Species of Concern			Trout.										
Temperature - °C		S.V. ≤ 20			*								
ΔT ^b - °C		ΔT ≤ 3			*								
pH - SU		S.V. 6.5 - 9.0			*								
Dissolved Oxygen - mg/L		S.V. ≥ 6.0			*								

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY CRITERIA TO PROTECT BENEFICIAL USES	Beneficial Uses ^a										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Total Phosphorus (as P) - mg/L		S.V. ≤ 0.33			*								
Total Ammonia (as N) - mg/L		c			*								
Total Dissolved Solids - mg/L		S.V. ≤ 500						*					
E. coli - cfu/100 mL ^d		G.M. ≤ 126 S.V. ≤ 410				*							
Fecal Coliform - No./100 mL		S.V. ≤ 1,000		*									
Toxic Materials		e											

* = The most restrictive beneficial use.

X = Beneficial use.

^a Refer to NAC 445A.122 and 445A.2142 for beneficial use terminology.

^b Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone, but the increase must not cause a violation of the single value standard.

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

^d The geometric mean must not be exceeded in any 30-day period. The single value must not be exceeded in more than 10 percent of the samples collected within any 30-day period.

^e The water quality criteria for toxic materials are specified in NAC 445A.1236.

Permanent Regulation - Informational Statement

A Permanent Regulation Related to Environmental Programs

**Legislative Review of Adopted Permanent Regulations as Required
by Administrative Procedures Act, NRS 233B.066**

State Environmental Commission Permanent No: R146-24RP2

The Nevada State Environmental Commission (SEC) offers the following informational statement in compliance with Nevada Revised Statute (NRS) 233B.066.

1. Need for Regulation

The purpose of the proposed regulation is to update the NAC to reflect current conditions of stream reaches, existing names of waters, and to assure the most current criteria documents are referenced.

2. A description of how public comment was solicited, a summary of public response and an explanation of how other interested persons may obtain a copy of the summary.

The Legislative Counsel Bureau published its drafts, R146-24P, R146-24RP1, and R146-24RP2, in the Nevada Register on July 25, 2025, October 27, 2025, and December 10, 2025, respectively.

The NDEP held one public workshop for R146-24RP2 on March 10, 2026. The public was invited to participate in person in the Bryan Building at 901 South Stewart Street in Carson City, Nevada, as well as at the NDEP offices at 375 East Warm Springs Road in Las Vegas, Nevada. The workshop was held to present the substance of, and receive public comment on, the proposed regulation. Seven members of the public and regulated industry attended the workshop either in person or virtually. During and after the public workshop, the Division received one verbal question:

- 1) Warren Turkett, representing the Colorado River Commission of Nevada, expressed appreciation for the presentation and stated that he looks forward to continued collaboration with NDEP to complete the upcoming 2026 Colorado River Salinity Control Forum Triennial Review.

A summary of the workshop is included on the NDEP website as well as the SEC website.

The proposed regulations were also distributed to the Bureau of Water Quality Planning email distribution list. The Division accepted written comments on R146-24RP2 for 30 days ending on March 26, 2026.

The following written comments were received by the Division (each followed by the Division's response):

Comments regarding the applicability of the “Below Hoover Dam” Salinity Criterion to Lake Mead

“Below Hoover Dam” is one of the three numeric criteria stations designated by the Forum for determining compliance with Colorado River salinity standards. Because Hoover Dam impounds the Colorado River to form Lake Mead, the lake lies immediately upstream of the “Below Hoover Dam” station. Under NAC 445A.1239, control-point criteria apply to all surface waters in the watershed upstream from the control point unless superseded by an upstream control point.

To reinforce alignment with the Forum’s framework, to avoid misinterpretation, and to maintain consistency across all Colorado River segments, the salinity criterion footnote in NAC 445A.2152 will be amended to state:

“As used for this parameter, flow weighted annual average concentration means the total annual salt load divided by the total annual streamflow as measured at the Below Hoover Dam station. [emphasis added]”

Comments noted that the 2023 Review specifies that the 723 mg/L criterion applies “Below Hoover Dam.” To avoid confusion, it is important to distinguish that:

- The 723 mg/L criterion applies to a discrete location, the Below Hoover Dam station selected by the Forum.
- It does not apply as the salinity criterion for the segment of the Colorado River downstream of the dam.

Comments Regarding the Relationship Between NAC 445A.1239 and The Salinity Control Forum Stations

Comments noted a perceived conflict between:

- The upstream-applicability framework in NAC 445A.1239, and
- The Forum’s station-specific compliance approach, under which salinity criteria are evaluated only at the three designated lower Colorado River stations.

Nevada’s control point provisions have been in place for decades and are part of the state’s broader water quality standards system, which differs structurally from the Forum’s compliance-station approach. Adoption of the Forum’s criteria by reference (section 1 of the regulation) allows Nevada to remain fully consistent with the basin-wide program while maintaining its own regulatory architecture.

This rationale is also supported by 40 CFR 131.10(b) which requires that water quality be maintained upstream of each station selected by the Forum to ensure attainment of that station’s criterion. The criterion must also apply to the waterbody itself, not solely at the downstream station, to support development of appropriate effluent limits for permitted discharges. NDEP will add the clarifying language discussed above that links the NAC tables to the Forum’s designated compliance locations—consistent with the

CRCN's recommendation. This will help prevent misinterpretation and harmonize both frameworks.

Comments regarding retention of the Existing TDS $\leq$ 1000 mg/L Criterion in NAC 445A.2152

Concern was expressed regarding the proposed change for NAC 445A.2152 from the existing TDS $\leq$ 1000 mg/L single-value criterion to a Flow Weighted A-Avg. Salinity criterion $\leq$ 723 mg/L. In the final regulation, NDEP will retain the TDS $\leq$ 1000 mg/L S.V. criterion in NAC 445A.2152. As proposed, the Forum's $\leq$ 723 mg/L Flow Weighted A-Avg. salinity criterion will also be included in NAC 445A.2152.

This approach maintains the existing Nevada water quality framework while clearly incorporating the Forum's salinity criterion for its Below Hoover Dam station.

Concern on the use of Flow-Weighted Annual Average Salinity for Lake Mead

NDEP concurs with CCWRD's comment that a flow-weighted annual average concentration cannot be directly calculated within a lentic waterbody such as Lake Mead. Lake Mead's water quality must be maintained such that the salinity criterion is achieved at the Forum-designated location "Below Hoover Dam". While the criterion applies to Lake Mead (per NAC 445A.1239), compliance is evaluated by the Forum at the "Below Hoover Dam" station, where total annual salt load and streamflow can be directly measured.

This approach is consistent with both NAC 445A.1239 and the Forum's longstanding salinity compliance methodology. Section 1 of R146-24 adopts the Forum's 2023 Review by reference. Compliance will continue to be determined by the Forum at the "Below Hoover Dam" station using its established monitoring and calculation methods.

Concerns Regarding Single-Point Exceedances within Lake Mead

Comment discussed the possibility that isolated TDS values in Lake Mead (e.g., within Las Vegas Bay) may exceed 723 mg/L and could lead to potential 303(d) impairment listings. To clarify:

- The 723 mg/L criterion is a flow-weighted annual average, not an instantaneous or spatially uniform ambient concentration requirement.
- Compliance is determined by the Forum at the "Below Hoover Dam" station, not at locations within Lake Mead.
- R146-24 does not alter Nevada's assessment protocols or impairment methodology.
- Depending on the location, the Las Vegas Bay site referenced may be within Inner Las Vegas Bay (NAC 445A.2154 - NV13-CL-04_00) which is a distinct assessment unit from Lake Mead (NAC 445A.2152 - NV13-CL-03_00). Inner Las Vegas Bay has a Single Value Total Dissolved criterion of $\leq$ 3000 mg/L and is not directly subject to the Forum's salinity criteria.

As discussed in responses to other comments, clarifying language in response to comments received is proposed to be added to the footnote of affected waters.

Comments Clarifying Salinity Compliance for Downstream River Segments

Comments noted that the water quality tables for “Colorado River below Davis Dam” and “Lake Mohave” should clarify that the applicable flow-weighted annual average criterion is measured below Parker Dam.

To reinforce alignment with the Forum’s framework, to avoid misinterpretation, and to maintain consistency across all Colorado River segments, the salinity criteria footnotes in NAC 445A.2146, NAC 445A.2147, and NAC 445A.2148 will be amended to state:

“As used for this parameter, flow weighted annual average concentration means the total annual salt load divided by the total annual streamflow as measured at the Below Parker Dam station. [emphasis added]”

Comments Regarding Terminology Change from TDS to Salinity

Commenters raised a valid distinction that salinity and TDS are not strictly synonymous. However, the Forum explicitly uses the term “numeric salinity criteria”.

Given that R146-24 adopts the 2023 Review by reference, the terminology used in the NAC must reflect the terminology used by the Forum. The Forum continues to be responsible for defining salinity, conducting triennial reviews of the water quality standards for salinity in the Colorado River system, and determining whether their salinity standards are being met.

The SEC held a hybrid regulatory hearing on April 30, 2026, to consider possible action on R146-24RP2. The SEC posted its public notice, which included a link¹ and instructions to access R146-24RP2 and pertinent documents and information supporting the regulation, for the regulatory meeting at the State Library in Carson City, at Division offices located in both Carson City and Las Vegas, at all county libraries throughout the state, and to the SEC email distribution list. The SEC also posted the public notice at the Division of Minerals in Carson City, at the Department of Agriculture, on the LCB website, on the Division of Administration website, and on the SEC website.

The public notice was also published in the Las Vegas Review Journal and Reno Gazette Journal newspapers once per week for three consecutive weeks prior to the SEC regulatory meeting.

3. The number of persons who attended the SEC Regulatory Hearing:

- (a) Attended April 30, 2026, hearing: 45 (approximately)
- (b) Testified on this petition at the hearing: 3

¹ <https://sec.nv.gov/meetings/sec-meeting-april-30-2026>

1. Jason Kuchnicki, on behalf of the Nevada Division of Environmental Protection
901 South Stewart Street, Suite 4001
Carson City, Nevada 89701
(775) 687-9450
kuchnicki@ndep.nv.gov
2. Seth Alm, on behalf of the Nevada Division of Environmental Protection
901 South Stewart Street, Suite 4001
Carson City, Nevada 89701
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3. Dan Fischer, representing Clark County Water Reclamation District

(c) Submitted to the agency written comments: None

4. A description of how comment was solicited from affected businesses, a summary of their response, and an explanation of how other interested persons may obtain a copy of the summary.

Comments were solicited from affected businesses through one public workshop and during the April 30, 2026, SEC hearing as noted in number 2 above. There was one verbal comment received regarding the regulatory amendments during the April 30, 2026, SEC meeting: Mr. Dan Fischer, representing Clark County Water Reclamation District, spoke briefly in support of the regulations.

5. If the regulation was adopted without changing any part of the proposed regulation, a summary of the reasons for adopting the regulation without change.

The Commissioners unanimously adopted R146-24RP2 with NDEP-proposed changes because the SEC was satisfied with the proposed regulation and proposed edits to the LCB draft.

6. The estimated economic effect of the adopted regulation on the business which it is to regulate and on the public.

Regulated Business/Industry:

The proposed regulations are not expected to have any adverse or beneficial effect on the regulated industry or small business either in the short or long term.

Public:

The proposed regulations are not expected to have any adverse or beneficial effect on the public either in the short or long term.

7. The estimated cost to the agency for enforcement of the adopted regulation.

Enforcing Agency.

The proposed changes will not add to the Division's current workload and are not expected to have any impact on the Division.

8. A description of any regulations of other state or government agencies which the proposed regulation overlaps or duplicates and a statement explaining why the duplication or overlapping is necessary. If the regulation overlaps or duplicates a federal regulation, the name of the regulating federal agency.

The proposed regulations do not overlap or duplicate other State or Federal Regulations.

9. If the regulation includes provisions which are more stringent than a federal regulation, which regulates the same activity, a summary of such provisions.

The proposed regulations are not more stringent than federal regulations.

10. If the regulation provides a new fee or increases an existing fee, the total annual amount the agency expects to collect and the manner in which the money will be used.

The proposed regulations do not provide for any new or increased fees.