

**PROPOSED REGULATION OF THE
STATE ENVIRONMENTAL COMMISSION**

LCB File No. R129-01

November 6, 2001

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

AUTHORITY: §§1-4, NRS 445A.425 and 445A.520.

Section 1. Chapter 445A of NAC is hereby amended by adding thereto the provisions set forth as sections 2 and 3 of this regulation.

Sec. 2. *The standards of water quality for Walker Lake are prescribed in section 3 of this regulation. The beneficial uses for this area are:*

- 1. Recreation involving contact with the water;*
- 2. Recreation not involving contact with the water;*
- 3. Propagation of wildlife; and*
- 4. Propagation of aquatic life and, more specifically, the species of major concern are the tui chub, Tahoe sucker, and adult and juvenile Lahontan cutthroat trout.*

Sec. 3.

STANDARDS OF WATER QUALITY

Walker Lake

Control Point at Walker Lake. The limits of this table apply to Walker Lake.

<i>PARAMETER</i>	<i>REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY</i>	<i>WATER QUALITY STANDARDS FOR BENEFICIAL USES</i>	<i>BENEFICIAL USES AS DESIGNATED IN SECTION 2 OF THIS REGULATION (Most Stringent Use Listed First)</i>
<i>Temperaturea Single Value</i>	--	$\Delta T \leq 2^{\circ}\text{C}$	<i>Propagation of aquatic life.</i>
<i>pH Single Value</i>	--	<i>Within Range 6.5 - 9.7 SU</i>	<i>Propagation of aquatic life, recreation involving contact with the water and propagation of wildlife.</i>
<i>Dissolved Oxygenb Single Value</i>	--	$\geq 5 \text{ mg/l}$	<i>Propagation of aquatic life, recreation involving contact with the water, recreation not involving contact with the water and propagation of wildlife.</i>
<i>Suspended Solids Single Value</i>	--	$\leq 25 \text{ mg/l}$	<i>Propagation of aquatic life.</i>
<i>Nitrogen Species as N Annual</i>	<i>Total Inorganic Nitrogen:</i>		<i>Propagation of aquatic life and propagation of wildlife.</i>

<i>Average</i>	$\leq 0.18 \text{ mg/lc}$		
<i>Single Value</i>	$\leq 0.3 \text{ mg/l}$	<i>Nitrate</i> $\leq 90 \text{ mg/l}$	
<i>Single Value</i>		<i>Nitrite</i> $\leq 0.06 \text{ mg/l}$	
<i>Total Phosphorus as P</i>			<i>Propagation of aquatic life.</i>
<i>Single Value</i>	--	$\leq 0.82 \text{ mg/l}$	
<i>Escherichia Coli</i>			<i>Recreation involving contact with the water and recreation not involving contact with the water.</i>
<i>30-day Log Mean</i>	--	$\leq 126 \text{ MF/100 ml}$	
<i>Single Value</i>	--	$\leq 235 \text{ MF/100 ml}$	

- a. Maximum allowable increase in temperature above water temperature at the boundary of an approved mixing zone.*
- b. When lake is stratified, the dissolved oxygen applies only to the epilimnion.*
- c. TIN annual average computed for calendar year.*

Sec. 4. NAC 445A.070 is hereby amended to read as follows:

445A.070 As used in NAC 445A.070 to 445A.348, inclusive, *and sections 2 and 3 of this regulation*, unless the context otherwise requires, the words and terms defined in NAC 445A.071 to 445A.116, inclusive, have the meanings ascribed to them in those sections.