REVISED PROPOSED REGULATION OF THE

STATE ENVIRONMENTAL COMMISSION

LCB File No. R104-00

October 4, 2000

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

AUTHORITY: §§1-16, 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 to 5, inclusive, of this regulation.

Sec. 2. ***Water quality standards established in NAC 445A.070 to 445A.348 must not be construed to amend, modify or supersede rights to quantities of water which have been established by the state engineer.***

Sec. 3. ***The standards of water quality for Walker Lake are prescribed in section 4 of this regulation. The beneficial uses for this area are:***

1. Recreation involving contact with water;

2. Recreation not involving contact with water;

3. Propagation of wildlife; and

4. Propagation of aquatic life, and more specifically, the species of major concern are the tui chub, the Tahoe sucker and adult and juvenile Lahontan cutthroat trout.

Sec. 4.

STANDARDS OF WATER QUALITY

Walker Lake

FLUSH

Control Point at Sportsman's Beach. The limits of this table apply only to Walker Lake at Sportsman's Beach.

PARAMETER	*REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY*	*WATER QUALITY STANDARDS FOR BENEFICIAL USES*	*BENEFICIAL USES (Most stringent use listed first)*
Temperature[a] *Single Value*	*--*	*ΔT ≤2 °C*	*Propagation of aquatic life.*
pH *Single Value*	*--*	*Within Range* *6.5 - 9.7 SU*	*Propagation of aquatic life, recreation involving contact with water and propagation of wildlife.*
Dissolved Oxygen *Single Value*	*--*	*≥5 mg/l*	*Propagation of aquatic life, recreation involving contact with water, recreation not involving contact with water and propagation of wildlife.*
Suspended Solids *Single Value*	*--*	*≤25 mg/l*	*Propagation of aquatic life.*
Nitrogen Species as N *Annual Average* *Single Value* *Single Value*	*Total Inorganic Nitrogen:* *≤0.18 mg/l[b]* *≤0.30 mg/l*	 *Nitrate: ≤90 mg/l* *Nitrite: ≤0.06 mg/l*	*Propagation of aquatic life and propagation of wildlife.*
Total Phosphate (as P) *Single Value*	*--*	*≤0.82 mg/l*	*Propagation of aquatic life.*
Total Dissolved Solids *Single Value*	*--*	*≤10,000 mg/l*	*Propagation of aquatic life.*
Chloride *Single Value*	*--*	*≤3,200 mg/l*	*Propagation of wildlife.*
Arsenic	*--*	*≤1,050 µg/l*	*Propagation of aquatic life.*
E. coli *30-day Log Mean* *Single Value*	*--* *--*	 *≤126 MF/100 ml* *≤235 MF/100 ml*	*Recreation involving contact with water and recreation not involving contact with water.*

FLUSH

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

FLUSH

b. TIN annual average computed for calendar year.

FLUSH

Because Walker Lake is a body of water without a natural outlet, the commission recognizes that water quality can be significantly impacted by climatic conditions and thus that attainment of standards may not be achievable at all times.

Sec. 5.

STANDARDS OF WATER QUALITY

East Walker River

FLUSH

Control Point at the East Walker River at Bridge B-1475. The limits of this table apply only to the East Walker River at Bridge B-1475 to the East Walker River at the state line.

PARAMETER	*REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY*	*WATER QUALITY STANDARDS FOR BENEFICIAL USES*	*BENEFICIAL USES (Most stringent use listed first)*
Temperature Single Value	*ΔT = 0°Ca*	*Nov.-Apr.: ≤13°C May-Jun.: ≤17°C Jul.-Oct.: ≤23°C ΔT ≤2°Ca*	*Propagation of aquatic life and recreation involving contact with water.*
pH Single Value	*--*	*Within Range 6.5 - 9.0 SU ΔpH: ±0.5 SU Max.*	*Propagation of aquatic life, recreation involving contact with water, propagation of wildlife, irrigation, watering of livestock, municipal or domestic supply, or both, and industrial supply.*
Total Phosphates (as P) Annual Average	*--*	*≤ 0.10 mg/l*	*Propagation of aquatic life, recreation involving contact with water, municipal or domestic supply, or both, and recreation not involving contact with water.*
Nitrogen Species as N Single Value Single Value Single Value Annual Value	*Total Nitrogen ≤ 1.7 mg/l ≤ 0.9 mg/l*	*Nitrate ≤10 mg/l Nitrite ≤0.06 mg/l Ammonia S.V:≤0.02 mg/l (un-ionized)*	*Municipal or domestic supply, or both, propagation of aquatic life, recreation involving contact with water, watering of livestock, propagation of wildlife and recreation not involving contact with water.*
Dissolved Oxygen Single Value	*--*	*Nov.-May: ≥6.0 mg/l Jun.-Oct.: ≥5.0 mg/l*	*Propagation of aquatic life, recreation involving contact with water, propagation of wildlife, watering of livestock, municipal or domestic supply, or both, and recreation not involving contact with water.*
Suspended Solids Single Value	*--*	*≤80 mg/l*	*Propagation of aquatic life.*

Turbidity *Single Value*	*--*	*B*	*Propagation of aquatic life and municipal or domestic supply, or both.*
Color *Single Value*	*--*	*≤75 PCU*	*Municipal or domestic supply, or both, and propagation of aquatic life.*
Total Dissolved Solids *Single Value* *Annual Average*	*≤390 mg/l* *≤320 mg/l*	*≤500 mg/l*	*Municipal or domestic supply, or both, irrigation and watering of livestock.*
Chloride *Single Value* *Annual Average*	*≤19 mg/l* *≤13 mg/l*	*≤250 mg/l*	*Municipal or domestic supply, or both, propagation of wildlife, irrigation and watering of livestock.*
Sulfate *Single Value*	*--*	*≤250 mg/l*	*Municipal or domestic supply, or both.*
Sodium *Adsorption Ratio* *Annual Average*	*--*	*≤8*	*Irrigation and municipal or domestic supply, or both.*
Alkalinity (as CaCO3)	*--*	*less than 25% change from natural conditions*	*Propagation of aquatic life and propagation of wildlife.*
Escherichia coli *Annual* *Geometric Mean* *Single Value*	*--* *--*	*126 MF/100 ml* *235 MF/100 ml*	*Recreation involving contact with water, recreation not involving contact with water, municipal or domestic supply, or both, irrigation and watering of livestock.*

FLUSH

a. 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.

FLUSH

b. Increase in turbidity must not be more than 10 NTU above natural conditions.

Sec. 6. NAC 445A.159 is hereby amended to read as follows:

445A.159 The standards of water quality for the Walker River from Walker Lake to the state line are prescribed in NAC 445A.160 to 445A.169, inclusive ~~[.]~~ ***, and section 5 of this regulation.*** The beneficial uses for this area are:

1. Irrigation;
2. Watering of livestock;
3. Recreation involving contact with the water;
4. Recreation not involving contact with water;

5. Industrial supply;

6. Municipal or domestic supply, or both;

7. Propagation of wildlife; and

8. Propagation of aquatic life, and more specifically, the species of major concern are:

(a) In the West Walker River at the state line, ***mountain whitefish,*** rainbow trout and brown trout;

(b) In Topaz Lake, rainbow trout, cutthroat trout, brown trout, ~~[kokone]~~ ***kokanee*** salmon and silver salmon;

(c) In the West Walker River from Wellington to the state line, ***mountain whitefish,*** rainbow trout and brown trout;

(d) In the West Walker River from its confluence with the East Walker River to Wellington, brown trout and rainbow trout;

(e) In Sweetwater Creek, brown trout, brook trout ***, mountain whitefish*** and rainbow trout;

(f) In the East Walker River at the state line, mountain ~~[white fish,]~~ ***whitefish,*** rainbow trout and brown trout;

(g) ***In the East Walker River from Bridge B-1475 to the state line, mountain whitefish, brown trout and rainbow trout;***

(h) In the East Walker River from its confluence with the West Walker River ~~[to the state line,]~~ ***to Bridge B-1475,*** brown trout and rainbow trout;

~~[(h)]~~ ***(i)*** In the Walker River from Weber Reservoir to the confluence of the East Walker River and West Walker River, channel catfish and largemouth bass;

~~[(i)]~~ ***(j)*** In the Walker River from the inlet to Walker Lake to Weber Reservoir ~~[, channel catfish,]~~ ***:***

(1) Year round, channel catfish and largemouth bass ~~[,]~~ *; and*

(2) From February through June, adult Lahontan cutthroat trout ~~[from April through May,]~~ and adult rainbow trout ~~[from April through June ; and~~

~~(j)]~~ *; and*

(k) In Desert Creek, brown trout, brook trout and rainbow trout.

Sec. 7. NAC 445A.160 is hereby amended to read as follows:

445A.160

STANDARDS OF WATER QUALITY

West Walker River *at state line*

FLUSH

Control Point at the West Walker River at the state line. The limits of this table apply only to the West Walker River at the state line.

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	BENEFICIAL USES *(Most stringent use listed first)*
Temperature ~~[°C Maximum~~ ~~ΔTa]~~ *Single Value*	July-Oct.: ≤22°C ΔT = 0°C*a*	Nov.-Apr.: ≤13°C May-Jun.: ≤17°C Jul.-Oct.: ≤23°C ΔT ≤2°C*a*	~~[Aquatic lifeb and water contact recreation.]~~ *Propagation of aquatic life and recreation involving contact with water.*
pH ~~[Units]~~ *Single Value*	--	~~[S.V.: 7.0 - 8.3]~~ *Within Range* *6.5 - 9.0 SU* ΔpH: ±0.5 *SU* Max.	~~[Water contact recreationb, wildlife propagationb,]~~ *Propagation of* aquatic life, *recreation involving contact with water, propagation of wildlife,* irrigation, ~~[stock watering,]~~ *watering of livestock,* municipal or domestic supply *, or both,* and industrial supply.
Total Phosphates (as P) ~~[mg/l]~~ *Annual Average*	--	~~[A Avg.:]~~ ≤0.1 *mg/l*	~~[Aquatic lifeb, water contact recreationb,]~~ *Propagation of aquatic life, recreation involving contact with water,* municipal or domestic supply *, or both,* and ~~[noncontact recreation.]~~ *recreation not involving contact with water.*
Nitrogen Species ~~[(N) - mg/l]~~ *as N* *Annual Average* *Single Value* *Single Value* *Single Value*	Total Nitrogen ~~[A Avg.: ≤0.6~~ ~~S.V.:]~~ *≤0.6 mg/l* ≤0.9 *: mg/l*	Nitrate ~~[S.V.: ≤10~~ ~~Nitrite S.V.:]~~ *≤10 mg/l* *Nitrite* ≤0.06 *mg/l* Ammonia S.V.: ≤0.02 *mg/l*	Municipal or domestic ~~[supplyb, aquatic lifeb water contact recreation, stock watering, wildlife propagation and noncontact recreation.]~~ *supply, or both, propagation of aquatic life, recreation involving contact with water, watering of livestock, propagation of wildlife and recreation not involving contact with water.*

		(un-ionized)	
Dissolved Oxygen ~~[mg/l]~~ ***Single Value***	--	~~[S.V.: Nov. Apr.: ≥6.0 May Oct.:]~~ ***Nov.-May: ≥6.0 mg/l Jun.-Oct.:*** ≥5.0 ***mg/l***	~~[Aquatic lifeb, water contact recreation, wildlife propagation, stock watering,]~~ ***Propagation of aquatic life, recreation involving contact with water, propagation of wildlife, watering of livestock,*** municipal or domestic supply ***, or both,*** and ~~[noncontact recreation.]~~ ***recreation not involving contact with water.***
Suspended Solids ~~[mg/l]~~ ***Annual Average*** ***Single Value***	~~[A Avg.:]~~ ≤60 ***mg/l***	~~[S.V.:]~~ ≤80 ***mg/l***	~~[Aquatic lifeb.]~~ ***Propagation of aquatic life.***
Turbidity ~~[NTU]~~ ***Single Value***	--	~~[d]~~ ***b***	~~[Aquatic lifeb]~~ ***Propagation of aquatic life*** and municipal or domestic supply ~~[,]~~ ***, or both.***
Color ~~[PCU]~~ ***Single Value***	~~[ ]~~ ***≤26 PCU***	~~[c]~~ ***≤75 PCU***	~~[Aquatic lifeb and municipal]~~ ***Municipal*** or domestic supply ~~[,]~~ ***, or both, and propagation of aquatic life.***
Total Dissolved Solids ~~[mg/l]~~ ***Annual Average*** ***Single Value***	~~[A Avg.: ≤165 S.V.:]~~ ***≤165 mg/l*** ≤220 ***mg/l***	~~[A Avg.:]~~ ≤500 ***mg/l***	Municipal or domestic ~~[supplyb,]~~ ***supply, or both,*** irrigation and ~~[stock watering.]~~ ***watering of livestock.***
~~[Chlorides mg/l]~~ ***Chloride*** ***Annual Average*** ***Single Value***	~~[A Avg.: ≤15 S.V.: ≤20]~~ ***≤15 mg/l*** ***≤20 mg/l***	~~[S.V.:]~~ ≤250 ***mg/l***	Municipal or domestic ~~[supplyb, wildlife propagation,]~~ ***supply, or both, propagation of wildlife,*** irrigation and ~~[stock watering.]~~ ***watering of livestock.***
Sulfate ~~[mg/l]~~ ***Single Value***	~~[ ]~~ ***≤25 mg/l***	~~[S.V.:]~~ ≤250 ***mg/l***	Municipal or domestic ~~[supplyb.]~~ ***supply, or both.***
Sodium ~~[SAR]~~ ***Adsorption Ratio*** ***Annual Average***	--	~~[A Avg.:]~~ ≤8	~~[Irrigationb]~~ ***Irrigation*** and municipal or domestic supply ~~[,]~~ ***, or both.***
Alkalinity (as $CaCO_3$) ~~[mg/l]~~	--	less than 25% change from natural conditions	~~[Aquatic lifeb and wildlife propagation.]~~ ***Propagation of aquatic life and propagation of wildlife.***
~~[Fecal Coliform No./100 ml]~~ ***Escherichia coli*** ***Annual*** ***Geometric Mean*** ***Single Value***	~~[A.G.M.: ≤100]~~ ***--*** ***--***	~~[≤200/400c]~~ ***126 MF/100 ml*** ***235 MF/100 ml***	~~[Water contact recreationb, noncontact recreation,]~~ ***Recreation involving contact with water, recreation not involving contact with water,*** municipal or domestic supply, ***or both,*** irrigation ~~[, wildlife propagation and stock watering.]~~ ***and watering of livestock.***

FLUSH a. 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.

FLUSH b. ~~[The most restrictive beneficial use.~~

~~c. Increase in color must not be more than 10 PCU above natural conditions.~~

~~d.]~~ Increase in turbidity must not be more than 10 NTU above natural conditions.

~~[e. Based on the minimum of not less than 5 samples taken over a 30-day period, the fecal coliform bacterial level may not exceed a geometric mean of 200 per 100 ml nor may more than 10 percent of the total samples taken during any 30-day period exceed 400 per 100 ml.]~~

Sec. 8. NAC 445A.161 is hereby amended to read as follows:

445A.161

STANDARDS OF WATER QUALITY

Topaz Lake

FLUSH

Control Point at Topaz Lake. The limits of this table apply at various points in Topaz Lake.

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	BENEFICIAL USES *(Most stringent use listed first)*
Temperature ~~[°C Maximum~~ ~~ΔTa]~~ ***Single Value***	ΔT = 0°C***a***	Nov.-Apr.: ≤13°C May-Jun.: ≤17°C Jul.-Oct.: ≤23°C ΔT ≤2°C***a***	~~[Aquatic lifeb]~~ ***Propagation of aquatic life*** and ***recreation involving contact with*** water . ~~[contact recreation.]~~
pH ~~[Units]~~ ***Single Value***	--	~~[S.V.: 7.0 - 8.3]~~ ***Within Range*** ***6.5 - 9.0 SU*** ΔpH: ±0.5 ***SU*** Max.	~~[Water contact recreationb, wildlife propagationb, aquatic life, irrigation, stock watering,]~~ ***Propagation of aquatic life, recreation involving contact with water, propagation of wildlife, irrigation, watering of livestock,*** municipal or domestic supply ***, or both,*** and industrial supply.
Total Phosphates (as P) ~~[mg/l]~~ ***Annual Average*** ***Single Value***		~~[A Avg.: ≤0.05 S.V.:]~~ ***≤0.05 mg/l*** ≤0.10 ***mg/l***	~~[Aquatic lifeb, water contact recreationb,]~~ ***Propagation of aquatic life, recreation involving contact with water,*** municipal or domestic supply ***, or both,*** and ~~[noncontact recreation.]~~ ***recreation not involving contact with water.***
Nitrogen Species ~~[(N) mg/l]~~ ***as N*** ***Annual Average*** ***Single Value*** ***Single Value*** ***Single Value***	Total Nitrogen ~~[A Avg.: ≤0.6 S.V.: ≤1.0]~~ ***:*** ***≤0.6 mg/l*** ***≤1.0 mg/l***	Nitrate ~~[S.V.: ≤10 Nitrite S.V.:]~~ ***≤10 mg/l*** ***Nitrite*** ≤0.06 ***mg/l*** Ammonia S.V.: ≤0.02 ***mg/l*** (un-ionized)	Municipal or domestic ~~[supplyb, aquatic lifeb, water contact recreation, stock watering, wildlife propagation and noncontact recreation.]~~ ***supply, or both, propagation of aquatic life, recreation involving contact with water, watering of livestock, propagation of wildlife and recreation not involving contact with water.***
Dissolved		~~[S.V.:~~	~~[Aquatic lifeb, water contact recreation, wildlife propagation, stock watering,]~~ ***Propagation of aquatic***

Oxygen ~~[mg/l]~~ ***Single Value***	--	~~Nov. Apr.: ≥6.0~~ ~~May Oct.:]~~ ***Nov.-May: ≥6.0 mg/l*** ***Jun.-Oct.b:*** ≥5.0 ***mg/l***	***life, recreation involving contact with water, propagation of wildlife, watering of livestock,*** municipal or domestic supply ***, or both,*** and ~~[noncontact recreation.]~~ ***recreation not involving contact with water.***
Suspended Solids ~~[mg/l]~~ ***Annual Average*** ***Single Value***	~~[A Avg.: ≤6.0~~ ~~S.V.:]~~ ***≤6.0 mg/l*** ≤9.0 ***mg/l***	~~[S.V.:]~~ ≤25 ***mg/l***	~~[Aquatic lifeb.]~~ ***Propagation of aquatic life.***
Turbidity ~~[NTU]~~ ***Annual Average*** ***Single Value***	~~[A Avg.: ≤3.0~~ ~~S.V.:]~~ ***≤3.0 NTU*** ≤5.0 ***NTU***	~~[d]~~ ***c***	~~[Aquatic lifeb]~~ ***Propagation of aquatic life*** and municipal or domestic supply ~~[,]~~ ***, or both.***
Color ~~[PCU]~~ ***Single Value***	~~[ ]~~ ***≤21 PCU***	~~[c]~~ ***≤75 PCU***	~~[Aquatic lifeb and municipal]~~ ***Municipal*** or domestic supply ~~[,]~~ ***, or both, and propagation of aquatic life.***
Total Dissolved Solids ~~[mg/l]~~ ***Annual Average*** ***Single Value***	~~[A Avg.: ≤105~~ ~~S.V.:]~~ ***≤105 mg/l*** ≤120 ***mg/l***	~~[A Avg.:]~~ ≤500 ***mg/l***	Municipal or domestic ~~[supplyb,]~~ ***supply, or both,*** irrigation and ~~[stock watering.]~~ ***watering of livestock.***
~~[Chlorides mg/l]~~ ***Chloride*** ***Annual Average*** ***Single Value***	~~[A Avg.: ≤7~~ ~~S.V.:]~~ ***≤7 mg/l*** ≤10 ***mg/l***	~~[S.V.:]~~ -- ≤250 ***mg/l***	Municipal or domestic ~~[supplyb, wildlife propagation,]~~ ***supply, or both, propagation of wildlife,*** irrigation and ~~[stock watering.]~~ ***watering of livestock.***
Sulfate ~~[mg/l]~~ ***Single Value***	~~[ ]~~ ***≤25 mg/l***	~~[S.V.:]~~ ≤250 ***mg/l***	Municipal or domestic ~~[supplyb.]~~ ***supply, or both.***
Sodium ~~[SAR]~~ ***Adsorption Ratio*** ***Annual Average***	--	~~[A Avg.:]~~ ≤8	~~[Irrigationb]~~ ***Irrigation*** and municipal or domestic supply ~~[,]~~ ***, or both.***
Alkalinity (as $CaCO_3$) ~~[mg/l]~~	--	less than 25% change from natural conditions	~~[Aquatic lifeb and wildlife propagation.]~~ ***Propagation of aquatic life and propagation of wildlife.***
~~[Fecal Coliform No./100 ml]~~ ***Escherichia coli*** ***Annual*** ***Geometric Mean*** ***Single Value***	~~[A.G.M.: ≤25~~ ~~S.V.: ≤100]~~ ***--*** ***--***	~~[≤200/400c]~~ ***126 MF/100ml*** ***235 MF/100ml***	~~[Water contact recreationb, noncontact recreation,]~~ ***Recreation involving contact with water, recreation not involving contact with water,*** municipal or domestic supply, ***or both,*** irrigation ~~[, wildlife propagation and stock watering.]~~ ***and watering of livestock.***

FLUSH a. 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.

FLUSH b. ~~[The most restrictive beneficial use.~~

~~c. Increase in color must not be more than 10 PCU above natural conditions.~~

~~d.]~~ ***The dissolved oxygen standard from June to October applies only to the epilimnion.***

FLUSH ***c.*** Increase in turbidity must not be more than 10 NTU above natural conditions.

~~[e. Based on the minimum of not less than 5 samples taken over a 30-day period, the fecal coliform bacterial level may not exceed a geometric mean of 200 per 100 ml nor may more than 10 percent of the total samples taken during any 30-day period exceed 400 per 100 ml.]~~

Sec. 9. NAC 445A.162 is hereby amended to read as follows:

445A.162

STANDARDS OF WATER QUALITY

West Walker River ***near Wellington***

FLUSH

Control Point at the West Walker River near Wellington. The limits of this table apply from the West Walker River near Wellington to the West Walker River at the state line.

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	BENEFICIAL USES *(Most stringent use listed first)*
Temperature ~~[°C Maximum~~ ~~ΔTa]~~ ***Single Value***	ΔT = 0°C***a***	Nov.-Apr.: ≤13°C May-Jun.: ≤17°C Jul.-Oct.: ≤23°C ΔT ≤2°C***a***	~~[Aquatic lifeb]~~ ***Propagation of aquatic life*** and ***recreation involving contact with*** water . ~~[contact recreation.]~~
pH ~~[Units]~~ ***Single Value***	--	~~[S.V.: 7.0 - 8.3]~~ ***Within Range*** ***6.5 - 9.0 SU*** ΔpH: ±0.5 ***SU*** Max.	~~[Water contact recreationb, wildlife propagationb, aquatic life, irrigation, stock watering,]~~ ***Propagation of aquatic life, recreation involving contact with water, propagation of wildlife, irrigation, watering of livestock,*** municipal or domestic supply ***, or both,*** and industrial supply.
Total Phosphates (as P) ~~[mg/l]~~ ***Annual Average*** ***Single Value***	~~[A Avg.: ≤0.07 S.V.:]~~ ***≤0.07 mg/l*** ≤0.10 ***mg/l***	~~[A Avg.:]~~ ≤0.1 ***mg/l***	~~[Aquatic lifeb, water contact recreationb,]~~ ***Propagation of aquatic life, recreation involving contact with water,*** municipal or domestic supply ***, or both,*** and ~~[noncontact recreation.]~~ ***recreation not involving contact with water.***
Nitrogen Species ~~[(N) mg/l]~~ ***as N*** ***Annual Average*** ***Single Value*** ***Single Value*** ***Single Value***	Total Nitrogen ~~[A Avg.: ≤0.6 S.V.:]~~ ***:*** ***≤0.6 mg/l*** ≤1.0 ***mg/l***	Nitrate ~~[S.V.: ≤10 Nitrite S.V.:]~~ ***≤10 mg/l*** ***Nitrite*** ≤0.06 ***mg/l*** Ammonia S.V.: ≤0.02 ***mg/l*** (un-ionized)	Municipal or domestic ~~[supplyb, aquatic lifeb, water contact recreation, stock watering, wildlife propagation and noncontact recreation.]~~ ***supply, or both, propagation of aquatic life, recreation involving contact with water, watering of livestock, propagation of wildlife and recreation not involving contact with water.***
Dissolved Oxygen ~~[mg/l]~~	--	~~[S.V.:]~~ Nov.-May: ≥6.0 ***mg/l***	~~[Aquatic lifeb, water contact recreation, wildlife propagation, stock watering,]~~ ***Propagation of aquatic life, recreation involving contact with water,***

Single Value		Jun.-Oct.: ≥5.0 ***mg/l***	***propagation of wildlife, watering of livestock,*** municipal or domestic supply ***, or both,*** and ~~[noncontact recreation.]~~ ***recreation not involving contact with water.***
Suspended Solids ~~[mg/l]~~ ***Annual Average*** ***Single Value***	 -- --	~~[S.V.:]~~ ≤80 ***mg/l***	~~[Aquatic lifeb.]~~ ***Propagation of aquatic life.***
Turbidity ~~[NTU]~~ ***Single Value***	 --	 ~~[d]~~ ***b***	~~[Aquatic lifeb]~~ ***Propagation of aquatic life*** and municipal or domestic supply ~~[,]~~ ***, or both.***
Color ~~[PCU]~~ ***Single Value***	--	~~[c]~~ ***≤75 PCU***	~~[Aquatic lifeb and municipal]~~ ***Municipal*** or domestic supply ~~[,]~~ ***, or both, and propagation of aquatic life.***
Total Dissolved Solids ~~[mg/l]~~ ***Annual Average*** ***Single Value***	~~[A-Avg.: ≤175 S.V.:]~~ ***≤175 mg/l*** ≤260 ***mg/l***	~~[A-Avg.:]~~ ≤500 ***mg/l***	Municipal or domestic ~~[supplyb,]~~ ***supply, or both,*** irrigation and ~~[stock watering.]~~ ***watering of livestock.***
~~[Chlorides mg/l]~~ ***Chloride*** ***Annual Average*** ***Single Value***	~~[A-Avg.: ≤16 S.V.:]~~ ***≤16 mg/l*** ≤30 ***mg/l***	~~[S.V.:]~~ ≤250 ***mg/l***	Municipal or domestic ~~[supplyb, wildlife propagation,]~~ ***supply, or both, propagation of wildlife,*** irrigation and ~~[stock watering.]~~ ***watering of livestock.***
Sulfate ~~[mg/l]~~ ***Single Value***	--	~~[S.V.:]~~ ≤250 ***mg/l***	Municipal or domestic ~~[supplyb.]~~ ***supply, or both.***
Sodium ~~[SAR]~~ ***Adsorption Ratio*** ***Annual Average***	 -- --	~~[A-Avg.:]~~ ≤8	~~[Irrigationb]~~ ***Irrigation*** and municipal or domestic supply ~~[,]~~ ***, or both.***
Alkalinity (as $CaCO_3$) ~~[mg/l]~~	--	less than 25% change from natural conditions	~~[Aquatic lifeb and wildlife propagation.]~~ ***Propagation of aquatic life and propagation of wildlife.***
~~[Fecal Coliform No./100 ml]~~ ***Escherichia coli*** ***Annual*** ***Geometric Mean*** ***Single Value***	~~[A.G.M.: ≤50 S.V.: ≤150]~~ -- --	~~[≤200/400c]~~ ***126 MF/100ml*** ***235 MF/100ml***	~~[Water contact recreationb, noncontact recreation,]~~ ***Recreation involving contact with water, recreation not involving contact with water,*** municipal or domestic supply, ***or both,*** irrigation ~~[, wildlife propagation and stock watering.]~~ ***and watering of livestock.***

FLUSH

a. 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.

FLUSH

b. ~~[The most restrictive beneficial use.~~

~~c. Increase in color must not be more than 10 PCU above natural conditions.~~

~~d.]~~ Increase in turbidity must not be more than 10 NTU above natural conditions.

~~[e. Based on the minimum of not less than 5 samples taken over a 30-day period, the fecal coliform bacterial level may not exceed a geometric mean of 200 per 100 ml nor may more than 10 percent of the total samples taken during any 30-day period exceed 400 per 100 ml.]~~

Sec. 10. NAC 445A.163 is hereby amended to read as follows:

445A.163

STANDARDS OF WATER QUALITY

West Walker River ***above confluence with East Walker River at Nordyke Road***

FLUSH

Control Point at the West Walker River above the confluence with the East Walker River at Nordyke Road. The limits of this table apply to the West Walker River above its confluence with the East Walker River to the control point mentioned in NAC 445A.162 (near Wellington).

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	BENEFICIAL USES *(Most stringent use listed first)*
Temperature ~~[°C Maximum~~ ~~ΔTa]~~ ***Single Value***	ΔT = 0°C***a***	Nov.-Apr.: ≤13°C May-Jun.: ≤17°C Jul.-Oct.: ≤23°C ΔT ≤2°C***a***	~~[Aquatic lifeb]~~ ***Propagation of aquatic life*** and ***recreation involving contact with*** water . ~~[contact recreation.]~~
pH ~~[Units]~~ ***Single Value***	--	~~[S.V.: 7.0 – 8.3]~~ ***Within Range 6.5-9.0 SU*** ΔpH: ±0.5 ***SU*** Max.	~~[Water contact recreationb, wildlife propagationb, aquatic life, irrigation, stock watering,]~~ ***Propagation of aquatic life, recreation involving contact with water, propagation of wildlife, irrigation, watering of livestock,*** municipal or domestic supply ***, or both,*** and industrial supply.
Total Phosphates (as P) ~~[mg/l]~~ ***Annual Average*** ***Single Value***	~~[S.V.:]~~ ≤0.15 ***mg/l***	~~[A Avg.:]~~ ≤0.10 ***mg/l***	~~[Aquatic lifeb, water contact recreationb,]~~ ***Propagation of aquatic life, recreation involving contact with water,*** municipal or domestic supply ***, or both,*** and ~~[noncontact recreation.]~~ ***recreation not involving contact with water.***
Nitrogen Species ~~[(N) mg/l]~~ ***as N*** ***Annual Average*** ***Single Value*** ***Single Value*** ***Single Value***	Total Nitrogen ~~[A Avg.: ≤1.0 S.V.:]~~ ***:*** ***≤1.0 mg/l*** ≤1.2 ***mg/l***	Nitrate ~~[S.V.: ≤10 Nitrite S.V.:]~~ ***:≤10 mg/l*** ***Nitrite:*** ≤0.06 ***mg/l*** Ammonia S.V.: ≤0.02 ***mg/l*** (un-ionized)	Municipal or domestic ~~[supplyb, aquatic lifeb, water contact recreation, stock watering, wildlife propagation and noncontact recreation.]~~ ***supply, or both, propagation of aquatic life, recreation involving contact with water, watering of livestock, propagation of wildlife and recreation not involving contact with water.***
Dissolved Oxygen ~~[mg/l]~~ ***Single Value***	--	~~[S.V.:]~~ Nov.-May: ≥6.0 ***mg/l*** Jun.-Oct.: ≥5.0 ***mg/l***	~~[Aquatic lifeb, water contact recreation, wildlife propagation, stock watering,]~~ ***Propagation of aquatic life, recreation involving contact with water, propagation of wildlife, watering of livestock,*** municipal or domestic supply ***, or both,*** and ~~[noncontact recreation.]~~ ***recreation not involving contact with water.***
Suspended			~~[Aquatic lifeb.]~~ ***Propagation of aquatic life.***

Solids ~~[mg/l]~~ ***Single Value***	~~--~~	~~[S.V.:]~~ ≤80 ***mg/l***	
Turbidity ~~[NTU]~~ ***Single Value***	~~--~~	~~[d]~~ ***b***	~~[Aquatic lifeb]~~ ***Propagation of aquatic life*** and municipal or domestic supply ~~[.]~~ ***, or both.***
Color ~~[PCU]~~ ***Single Value***	~~[ ]~~ ***≤46 PCU***	~~[c]~~ ***≤75 PCU***	~~[Aquatic lifeb and municipal]~~ ***Municipal*** or domestic supply ~~[.]~~ ***, or both, and propagation of aquatic life.***
Total Dissolved Solids ~~[mg/l]~~ ***Annual Average*** ***Single Value***	~~[A-Avg.: ≤330 S.V.:]~~ ***≤330 mg/l*** ≤425 ***mg/l***	~~[A-Avg.:]~~ ≤500 ***mg/l***	Municipal or domestic ~~[supplyb,]~~ ***supply, or both,*** irrigation and ~~[stock watering.]~~ ***watering of livestock.***
~~[Chlorides mg/l]~~ ***Chloride*** ***Annual Average*** ***Single Value***	~~[A-Avg.: ≤22 S.V.:]~~ ***≤22 mg/l*** ≤28 ***mg/l***	-- ~~[S.V.:]~~ ≤250 ***mg/l***	Municipal or domestic ~~[supplyb, wildlife propagation,]~~ ***supply, or both, propagation of wildlife,*** irrigation and ~~[stock watering.]~~ ***watering of livestock.***
Sulfate ~~[mg/l]~~ ***Single Value***	~~[ ]~~ ***≤74 mg/l***	~~[S.V.:]~~ ≤250 ***mg/l***	Municipal or domestic ~~[supplyb.]~~ ***supply, or both.***
Sodium ~~[SAR]~~ ***Adsorption Ratio*** ***Annual Average***	--	~~[A-Avg.:]~~ ≤8	~~[Irrigationb]~~ ***Irrigation*** and municipal or domestic supply ~~[.]~~ ***, or both.***
Alkalinity (as $CaCO_3$) ~~[mg/l]~~	--	less than 25% change from natural conditions	~~[Aquatic lifeb and wildlife propagation.]~~ ***Propagation of aquatic life and propagation of wildlife.***
~~[Fecal Coliform No./100 ml]~~ ***Escherichia coli*** ***Annual Geometric Mean*** ***Single Value***	~~[A.G.M.: ≤125 S.V.: ≤350]~~ ~~--~~ ~~--~~	~~[≤200/400c]~~ ***126 MF/100ml*** ***235 MF/100ml***	~~[Water contact recreationb, noncontact recreation,]~~ ***Recreation involving contact with water, recreation not involving contact with water,*** municipal or domestic supply, ***or both,*** irrigation ~~[, wildlife propagation and stock watering.]~~ ***and watering of livestock.***

FLUSH a. 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.

FLUSH b. ~~[The most restrictive beneficial use.~~

~~c. Increase in color must not be more than 10 PCU above natural conditions.~~

~~d.]~~ Increase in turbidity must not be more than 10 NTU above natural conditions.

~~[e. Based on the minimum of not less than 5 samples taken over a 30-day period, the fecal coliform bacterial level may not exceed a geometric mean of 200 per 100 ml nor may more than 10 percent of the total samples taken during any 30-day period exceed 400 per 100 ml.]~~

Sec. 11. NAC 445A.164 is hereby amended to read as follows:

445A.164

STANDARDS OF WATER QUALITY

Sweetwater Creek

FLUSH

Control Point at Sweetwater Creek. The limits of this table apply to Sweetwater Creek from its confluence with the East Walker River to the state line.

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	BENEFICIAL USES *(Most stringent use listed first)*
Temperature ~~[°C Maximum~~ ~~ΔTa]~~ ***Single Value***	ΔT = 0°C***a***	Nov.-Apr.: ≤13°C May-Jun.: ≤17°C Jul.-Oct.: ≤23°C ΔT ≤2°C***a***	~~[Aquatic lifeb]~~ ***Propagation of aquatic life*** and ***recreation involving contact with*** water . ~~[contact recreation.]~~
pH ~~[Units]~~ ***Single Value***	--	~~[S.V.: 7.0 - 8.3]~~ ***Within Range*** ***6.5 - 9.0 SU*** ΔpH: ±0.5 ***SU*** Max.	~~[Water contact recreationb, wildlife propagationb, aquatic life, irrigation, stock watering,]~~ ***Propagation of aquatic life, recreation involving contact with water, propagation of wildlife, irrigation, watering of livestock,*** municipal or domestic supply ***, or both,*** and industrial supply.
Total Phosphates (as P) ~~[mg/l]~~ ***Annual Average***		~~[A Avg.:]~~ ≤0.1 ***mg/l***	~~[Aquatic lifeb, water contact recreationb,]~~ ***Propagation of aquatic life, recreation involving contact with water,*** municipal or domestic supply ***, or both,*** and ~~[noncontact recreation.]~~ ***recreation not involving contact with water.***
Nitrogen Species ~~[(N) mg/l]~~ ***as N*** ***Annual Average*** ***Single Value*** ***Single Value*** ***Single Value***	Total ~~[Nitrates A Avg.: ≤0.25 S.V.:]~~***Nitrate:*** ***≤0.25 mg/l*** ≤0.45 ***mg/l***	Nitrate ~~[S.V.: ≤10 Nitrite S.V.:]~~ ***: ≤10 mg/l*** ***Nitrite:*** ≤0.06 ***mg/l*** Ammonia S.V.: ≤0.02 ***mg/l*** (un-ionized)	Municipal or domestic ~~[supplyb, aquatic lifeb, water contact recreation, stock watering, wildlife propagation and noncontact recreation.]~~ ***supply, or both, propagation of aquatic life, recreation involving contact with water, watering of livestock, propagation of wildlife and recreation not involving contact with water.***
Dissolved Oxygen ~~[mg/l]~~ ***Single Value***	--	~~[S.V.:]~~ Nov.-May: ≥6.0 ***mg/l*** Jun.-Oct.: ≥5.0 ***mg/l***	~~[Aquatic lifeb, water contact recreation, wildlife propagation, stock watering,]~~ ***Propagation of aquatic life, recreation involving contact with water, propagation of wildlife, watering of livestock,*** municipal or domestic supply ***, or both,*** and ~~[noncontact recreation.]~~ ***recreation not involving contact with water.***
Suspended Solids ~~[mg/l]~~ ***Single Value***	***≤45 mg/l***	~~[S.V.:]~~ ≤80 ***mg/l***	~~[Aquatic lifeb.]~~ ***Propagation of aquatic life.***
Turbidity ~~[NTU]~~ ***Single Value***	***--***	~~[d]~~ ***b***	~~[Aquatic lifeb]~~ ***Propagation of aquatic life*** and municipal or domestic supply ~~[.]~~ ***, or both.***
Color ~~[PCU]~~		~~[c]~~	~~[Aquatic lifeb and municipal]~~ ***Municipal*** or domestic

Single Value	--	***≤75 PCU***	supply ~~[,]~~ ***, or both, and propagation of aquatic life.***
Total Dissolved Solids ~~[mg/l]~~ ***Annual Average*** ***Single Value***	~~[A Avg.: ≤220 S.V.:]~~ ***≤220 mg/l*** ≤300 ***mg/l***	~~[A Avg.:]~~ ≤500 ***mg/l***	Municipal or domestic ~~[supplyb,]~~ ***supply, or both,*** irrigation and ~~[stock watering.]~~ ***watering of livestock.***
~~[Chlorides mg/l]~~ ***Chloride*** ***Annual Average*** ***Single Value***	~~[A Avg.: ≤5 S.V.:]~~ ***≤5 mg/l*** ≤7 ***mg/l***	-- ~~[S.V.:]~~ ≤250 ***mg/l***	Municipal or domestic ~~[supplyb, wildlife propagation,]~~ ***supply, or both, propagation of wildlife,*** irrigation and ~~[stock watering.]~~ ***watering of livestock.***
Sulfate ~~[mg/l]~~ ***Single Value***	-- 	~~[S.V.:]~~ ≤250 ***mg/l***	Municipal or domestic ~~[supplyb.]~~ ***supply, or both.***
Sodium ~~[SAR]~~ ***Adsorption Ratio*** ***Annual Average***	-- 	~~[A Avg.:]~~ ≤8	~~[Irrigationb]~~ ***Irrigation*** and municipal or domestic supply ~~[,]~~ ***, or both.***
Alkalinity (as $CaCO_3$) ~~[mg/l]~~	--	less than 25% change from natural conditions	~~[Aquatic lifeb and wildlife propagation.]~~ ***Propagation of aquatic life and propagation of wildlife.***
~~[Fecal Coliform No./100 ml]~~ ***Escherichia coli*** ***Annual Geometric Mean*** ***Single Value***	 **--** **--**	~~[≤200/400c]~~ ***126 MF/100ml*** ***235 MF/100ml***	~~[Water contact recreationb, noncontact recreation,]~~ ***Recreation involving contact with water, recreation not involving contact with water,*** municipal or domestic supply, ***or both,*** irrigation ~~[, wildlife propagation and stock watering.]~~ ***and watering of livestock.***

FLUSH a. 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.

FLUSH b. ~~[The most restrictive beneficial use.~~

~~c. Increase in color must not be more than 10 PCU above natural conditions.~~

~~d.]~~ Increase in turbidity must not be more than 10 NTU above natural conditions.

~~[e. Based on the minimum of not less than 5 samples taken over a 30-day period, the fecal coliform bacterial level may not exceed a geometric mean of 200 per 100 ml nor may more than 10 percent of the total samples taken during any 30-day period exceed 400 per 100 ml.]~~

Sec. 12. NAC 445A.165 is hereby amended to read as follows:

445A.165

STANDARDS OF WATER QUALITY

East Walker River ***at state line***

FLUSH

Control Point at the East Walker River at the state line. The limits of this table apply only to the East Walker River at the state line.

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	BENEFICIAL USES *(Most stringent use listed first)*
Temperature ~~[°C Maximum~~ ~~ΔTa]~~ ***Single Value***	ΔT = 0°C***a***	Nov.-Apr.: ≤13°C May-Jun.: ≤17°C Jul.-Oct.: ≤23°C ΔT ≤2°C***a***	~~[Aquatic lifeb]~~ ***Propagation of aquatic life*** and ***recreation involving contact with*** water . ~~[contact recreation.]~~
pH ~~[Units]~~ ***Single Value***	--	~~[S.V.: 7.0 - 8.3]~~ ***Within Range*** ***6.5 - 9.0 SU*** ΔpH: ±0.5 ***SU*** Max.	~~[Water contact recreationb, wildlife propagationb, aquatic life, irrigation, stock watering,]~~ ***Propagation of aquatic life, recreation involving contact with water, propagation of wildlife, irrigation, watering of livestock,*** municipal or domestic supply ***, or both,*** and industrial supply.
Total Phosphates (as P) ~~[mg/l]~~ ***Annual Average***		~~[A Avg.:]~~ ≤0.1 ***mg/l***	~~[Aquatic lifeb, water contact recreationb,]~~ ***Propagation of aquatic life, recreation involving contact with water,*** municipal or domestic supply ***, or both,*** and ~~[noncontact recreation.]~~ ***recreation not involving contact with water.***
Nitrogen Species ~~[(N) mg/l]~~ ***as N*** ***Annual Average*** ***Single Value*** ***Single Value*** ***Single Value***	Total Nitrogen ~~[A Avg.: ≤0.8 S.V.:]~~ ***:*** ***≤0.8 mg/l*** ≤1.4 ***mg/l***	Nitrate ~~[S.V.: ≤10 Nitrite S.V.:]~~ ***: ≤10 mg/l*** ***Nitrite:*** ≤0.06 ***mg/l*** Ammonia S.V.: ≤0.02 ***mg/l*** (un-ionized)	Municipal or domestic ~~[supplyb, aquatic lifeb, water contact recreation, stock watering, wildlife propagation and noncontact recreation.]~~ ***supply, or both, propagation of aquatic life, recreation involving contact with water, watering of livestock, propagation of wildlife and recreation not involving contact with water.***
Dissolved Oxygen ~~[mg/l]~~ ***Single Value***	--	~~[S.V.:]~~ Nov.-May: ≥6.0 ***mg/l*** Jun.-Oct.: ≥5.0 ***mg/l***	~~[Aquatic lifeb, water contact recreation, wildlife propagation, stock watering,]~~ ***Propagation of aquatic life, recreation involving contact with water, propagation of wildlife, watering of livestock,*** municipal or domestic supply ***, or both,*** and ~~[noncontact recreation.]~~ ***recreation not involving contact with water.***
Suspended Solids ~~[mg/l]~~ ***Single Value***	~~[S.V.:]~~ ≤30 ***mg/l***	~~[S.V.:]~~ ***≤80***	~~[Aquatic lifeb.]~~ ***Propagation of aquatic life.***
Turbidity ~~[NTU]~~ ***Single Value***	~~--~~	~~[d]~~ ***b***	~~[Aquatic lifeb]~~ ***Propagation of aquatic life*** and municipal or domestic supply ~~[,]~~ ***, or both.***
Color ~~[PCU]~~ ***Single Value***	--	~~[c]~~ ***≤75 PCU***	~~[Aquatic lifeb and municipal]~~ ***Municipal*** or domestic supply ~~[,]~~ ***, or both, and propagation of aquatic life.***
Total Dissolved Solids ~~[mg/l]~~ ***Annual Average*** ***Single Value***	~~[A Avg.: ≤175 S.V.:]~~ ***≤175 mg/l*** ≤210 ***mg/l***	~~[A Avg.:]~~ ≤500 ***mg/l***	Municipal or domestic ~~[supplyb,]~~ ***supply, or both,*** irrigation and ~~[stock watering.]~~ ***watering of livestock.***
~~[Chlorides mg/l]~~ ***Chloride***	~~[A Avg.: ≤5 S.V.:]~~	-- ~~[S.V.:]~~	Municipal or domestic ~~[supplyb, wildlife propagation,]~~ ***supply, or both, propagation of wildlife,*** irrigation and

Annual Average	***≤5 mg/l***		~~[stock watering.]~~ ***watering of livestock.***
Single Value	≤7 ***mg/l***	≤250 ***mg/l***	
Sulfate ~~[mg/l]~~	~~[ ]~~	~~[S.V.:]~~	Municipal or domestic ~~[supplyb.]~~ ***supply, or both.***
Single Value	***≤26 mg/l***	≤250 ***mg/l***	
Sodium ~~[SAR]~~	~~[A Avg.:]~~	~~[A Avg.:]~~	~~[Irrigationb]~~ ***Irrigation*** and municipal or domestic
Adsorption Ratio			supply ~~[.]~~ ***, or both.***
Annual Average	≤2	≤8	
Alkalinity		less than 25% change from	~~[Aquatic lifeb and wildlife propagation.]~~ ***Propagation***
(as $CaCO_3$) ~~[mg/l]~~	--	natural conditions	***of aquatic life and propagation of wildlife.***
~~[Fecal Coliform No./100 ml]~~	~~[A.G.M.: ≤20~~	~~[≤200/400e]~~	~~[Water contact recreationb, noncontact recreation,]~~
Escherichia coli	~~S.V.: ≤50]~~		***Recreation involving contact with water, recreation***
Annual			***not involving contact with water,*** municipal or domestic
Geometric Mean	*--*	***126 MF/100ml***	supply, ***or both,*** irrigation ~~[, wildlife propagation and~~
Single Value	*--*	***235 MF/100ml***	~~stock watering.]~~ ***and watering of livestock.***

FLUSH a. 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.

FLUSH b. ~~[The most restrictive beneficial use.~~

~~c. Increase in color must not be more than 10 PCU above natural conditions.~~

~~d.]~~ Increase in turbidity must not be more than 10 NTU above natural conditions.

~~[e. Based on the minimum of not less than 5 samples taken over a 30-day period, the fecal coliform bacterial level may not exceed a geometric mean of 200 per 100 ml nor may more than 10 percent of the total samples taken during any 30-day period exceed 400 per 100 ml.]~~

Sec. 13. NAC 445A.166 is hereby amended to read as follows:

445A.166

STANDARDS OF WATER QUALITY

East Walker River ***south of Yerington***

FLUSH Control Point at the East Walker River south of Yerington above the confluence with the West Walker River (Nordyke Road). The limits of this table apply to the East Walker River south of

Yerington above its confluence with the West Walker River to the ~~[state line.]~~ ***East Walker River at Bridge B-1475.***

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	BENEFICIAL USES *(Most stringent use listed first)*
Temperature ~~[°C Maximum~~ ~~ΔTa]~~ ***Single Value***	ΔT = 0°C***a***	Nov.-Apr.: ≤13°C May-Jun.: ≤17°C Jul.-Oct.: ≤23°C ΔT ≤2°C***a***	~~[Aquatic lifeb]~~ ***Propagation of aquatic life*** and ***recreation involving contact with*** water . ~~[contact recreation.]~~
pH ~~[Units]~~ ***Single Value***	--	~~[S.V.: 7.0 – 8.3]~~ ***Within Range*** ***6.5 - 9.0 SU*** ΔpH: ±0.5 ***SU*** Max.	~~[Water contact recreationb, wildlife propagationb, aquatic life, irrigation, stock watering.]~~ ***Propagation of aquatic life, recreation involving contact with water, propagation of wildlife, irrigation, watering of livestock,*** municipal or domestic supply ***, or both,*** and industrial supply.
Total Phosphates (as P) ~~[mg/l]~~ ***Annual Average*** ***Single Value***		~~[A Avg.: ≤0.16 S.V.:]~~ ***≤0.16 mg/l*** ≤0.39 ***mg/l***	~~[Aquatic lifeb, water contact recreationb,]~~ ***Propagation of aquatic life, recreation involving contact with water,*** municipal or domestic supply ***, or both,*** and ~~[noncontact recreation.]~~ ***recreation not involving contact with water.***
Nitrogen Species ~~[(N) - mg/l]~~ ***as N*** ***Annual Average*** ***Single Value*** ***Single Value*** ***Single Value***	Total Nitrogen ~~[A Avg.: ≤0.9 S.V.:]~~ ***:*** ***≤0.9 mg/l*** ≤1.7 ***mg/l***	Nitrate ~~[S.V.: ≤10 Nitrite S.V.:]~~ ***: ≤10 mg/l*** ***Nitrite:*** ≤0.06 ***mg/l*** Ammonia S.V.: ≤0.02 ***mg/l*** (un-ionized)	Municipal or domestic ~~[supplyb, aquatic lifeb, water contact recreation, stock watering, wildlife propagation and noncontact recreation.]~~ ***supply, or both, propagation of aquatic life, recreation involving contact with water, watering of livestock, propagation of wildlife and recreation not involving contact with water.***
Dissolved Oxygen ~~[mg/l]~~ ***Single Value***	--	~~[S.V.:]~~ ***Nov.-May: ≥6.0 mg/l*** ***Jun.-Oct.:*** ≥5.0 ***mg/l***	~~[Aquatic lifeb, water contact recreation, wildlife propagation, stock watering.]~~ ***Propagation of aquatic life, recreation involving contact with water, propagation of wildlife, watering of livestock,*** municipal or domestic supply ***, or both,*** and ~~[noncontact recreation.]~~ ***recreation not involving contact with water.***
Suspended Solids ~~[mg/l]~~ ***Single Value***	***--***	~~[S.V.:]~~ ≤80 ***mg/l***	~~[Aquatic lifeb.]~~ ***Propagation of aquatic life.***
Turbidity ~~[NTU]~~ ***Single Value***	***--***	~~[d]~~ ***b***	~~[Aquatic lifeb]~~ ***Propagation of aquatic life*** and municipal or domestic supply ~~[.]~~ ***, or both.***
Color ~~[PCU]~~ ***Single Value***	--	~~[c]~~ ***≤75 PCU***	~~[Aquatic lifeb and municipal]~~ ***Municipal*** or domestic supply ~~[.]~~ ***, or both, and propagation of aquatic life.***
Total Dissolved Solids ~~[mg/l]~~ ***Annual Average*** ***Single Value***	~~[A Avg.: ≤320 S.V.:]~~ ***≤320 mg/l*** ≤390 ***mg/l***	~~[A Avg.:]~~ ≤500 ***mg/l***	Municipal or domestic ~~[supplyb,]~~ ***supply, or both,*** irrigation and ~~[stock watering.]~~ ***watering of livestock.***
~~[Chlorides mg/l]~~ ***Chloride***	~~[A Avg.: ≤13 S.V.:]~~	-- ~~[S.V.:]~~	Municipal or domestic ~~[supplyb, wildlife propagation,]~~ ***supply, or both, propagation of wildlife,*** irrigation and

Annual Average ***Single Value***	***≤13 mg/l*** ≤19 ***mg/l***	≤250 ***mg/l***	~~[stock watering.]~~ ***watering of livestock.***
Sulfate ~~[mg/l]~~ ***Single Value***	~~[ ]~~ ***≤44 mg/l***	~~[S.V.:]~~ ≤250 ***mg/l***	Municipal or domestic ~~[supplyb.]~~ ***supply, or both.***
Sodium ~~[SAR]~~ ***Adsorption Ratio*** ***Annual Average***	--	~~[A Avg.:]~~ ≤8	~~[Irrigationb]~~ ***Irrigation*** and municipal or domestic supply ~~[.]~~ ***, or both.***
Alkalinity (as $CaCO_3$) ~~[mg/l]~~	--	less than 25% change from natural conditions	~~[Aquatic lifeb and wildlife propagation.]~~ ***Propagation of aquatic life and propagation of wildlife.***
~~[Fecal Coliform No./100 ml]~~ ***Escherichia coli*** ***Annual*** ***Geometric Mean*** ***Single Value***	~~[A.C.M.: ≤75 S.V.: ≤350]~~ ***--*** ***--***	~~[≤200/400e]~~ ***126 MF/100ml*** ***235 MF/100ml***	~~[Water contact recreationb, noncontact recreation,]~~ ***Recreation involving contact with water, recreation not involving contact with water,*** municipal or domestic supply, ***or both,*** irrigation ~~[, wildlife propagation and stock watering.]~~ ***and watering of livestock.***

FLUSH a. 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.

FLUSH b. ~~[The most restrictive beneficial use.~~

~~c. Increase in color must not be more than 10 PCU above natural conditions.~~

~~d.]~~ Increase in turbidity must not be more than 10 NTU above natural conditions.

~~[e. Based on the minimum of not less than 5 samples taken over a 30-day period, the fecal coliform bacterial level may not exceed a geometric mean of 200 per 100 ml nor may more than 10 percent of the total samples taken during any 30-day period exceed 400 per 100 ml.]~~

Sec. 14. NAC 445A.167 is hereby amended to read as follows:

445A.167

STANDARDS OF WATER QUALITY

Walker River ***at inlet to Weber Reservoir***

FLUSH Control Point at the Walker River at the inlet to Weber Reservoir. The limits of this table apply to the Walker River from the inlet to Weber Reservoir to the confluence of the West Walker River and the East Walker River.

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	BENEFICIAL USES *(Most stringent use listed first)*
Temperature ~~[°C Maximum~~ ~~ΔTa]~~ ***Single Value***	ΔT = 0°C***a***	Nov.-Mar.: ≤13°C Apr.-Jun.: ~~[≤24°C]~~ ***≤23 °Cb*** Jul.-Oct.: ≤28°C ΔT ≤2°C	~~[Aquatic lifeb]~~ ***Propagation of aquatic life*** and ***recreation involving contact with*** water . ~~[contact recreation.]~~
pH ~~[Units]~~ ***Single Value***	--	~~[S.V.: 7.0 – 8.3]~~ ***Within Range*** ***6.5 - 9.0 SU*** ΔpH: ±0.5 ***SU*** Max.	~~[Water contact recreationb, wildlife propagationb, aquatic life, irrigation, stock watering,]~~ ***Propagation of aquatic life, recreation involving contact with water, propagation of wildlife, irrigation, watering of livestock,*** municipal or domestic supply ***, or both,*** and industrial supply.
Total Phosphates (as P) ~~[mg/l]~~ ***Annual Average*** ***Single Value***		~~[A Avg.: ≤0.26 S.V.:]~~ ***≤0.26 mg/l*** ≤0.40 ***mg/l***	~~[Aquatic lifeb, water contact recreationb,]~~ ***Propagation of aquatic life, recreation involving contact with water,*** municipal or domestic supply ***, or both,*** and ~~[noncontact recreation.]~~ ***recreation not involving contact with water.***
Nitrogen Species ~~[(N) - mg/l]~~ ***as N*** ***Annual Average*** ***Single Value*** ***Single Value*** ***Single Value***	Total Nitrogen ~~[A Avg.: ≤1.2 S.V.:]~~ ***:*** ***≤1.2 mg/l*** ≤1.5 ***mg/l***	Nitrate ~~[S.V.: ≤10 Nitrite S.V.:≤5]~~ ***: ≤10 mg/l*** ***Nitrite: ≤1 mg/lc*** Ammonia S.V.: ≤0.06 ***mg/l*** (un-ionized)	Municipal or domestic ~~[supplyb, aquatic lifeb, water contact recreation, stock watering, wildlife propagation and noncontact recreation.]~~ ***supply, or both, propagation of aquatic life, recreation involving contact with water, watering of livestock, propagation of wildlife and recreation not involving contact with water.***
Dissolved Oxygen ~~[mg/l]~~ ***Single Value***	--	~~[S.V.:]~~ Nov.-May: ≥6.0 ***mg/l*** Jun.-Oct.: ≥5.0 ***mg/l***	~~[Aquatic lifeb, water contact recreation, wildlife propagation, stock watering,]~~ ***Propagation of aquatic life, recreation involving contact with water, propagation of wildlife, watering of livestock,*** municipal or domestic supply ***, or both,*** and ~~[noncontact recreation.]~~ ***recreation not involving contact with water.***
Suspended Solids ~~[mg/l]~~ ***Single Value***	***--***	~~[S.V.:]~~ ≤80 ***mg/l***	~~[Aquatic lifeb.]~~ ***Propagation of aquatic life.***
Turbidity ~~[NTU]~~ ***Single Value***	***--***	D	~~[Aquatic lifeb]~~ ***Propagation of aquatic life*** and municipal or domestic supply ~~[.]~~ ***, or both.***
Color ~~[PCU]~~ ***Single Value***	--	~~[c]~~ ***≤75 PCU***	~~[Aquatic lifeb and municipal]~~ ***Municipal*** or domestic supply ~~[.]~~ ***, or both, and propagation of aquatic life.***
Total Dissolved Solids ~~[mg/l]~~ ***Annual Average*** ***Single Value***	~~[A Avg.: ≤400 S.V.:]~~ ***≤400 mg/l*** ≤450 ***mg/l***	~~[A Avg.:]~~ ≤500 ***mg/l***	Municipal or domestic ~~[supplyb,]~~ ***supply, or both,*** irrigation and ~~[stock watering.]~~ ***watering of livestock.***
~~[Chlorides - mg/l]~~ ***Chloride*** ***Annual Average*** ***Single Value***	~~[A Avg.: ≤30 S.V.:]~~ ***≤30 mg/l*** ≤35 ***mg/l***	-- ~~[S.V.:]~~ ≤250 ***mg/l***	Municipal or domestic ~~[supplyb, wildlife propagation,]~~ ***supply, or both, propagation of wildlife,*** irrigation and ~~[stock watering.]~~ ***watering of livestock.***
Sulfate ~~[mg/l]~~ ***Annual Average*** ***Single Value***	~~[A Avg.: ≤95 S.V.:]~~ ***≤95 mg/l*** ≤110 ***mg/l***	~~[S.V.:]~~ ≤250 ***mg/l***	Municipal or domestic ~~[supplyb.]~~ ***supply, or both.***

Sodium ~~[~~ SAR~~]~~ *Adsorption Ratio Annual Average*	~~[~~SAR-A-Avg.~~]~~ ≤3	~~[~~A-Avg.:~~]~~ ≤8	~~[~~Irrigationb~~]~~ *Irrigation* and municipal or domestic supply ~~[~~,~~]~~ *, or both.*
Alkalinity (as $CaCO_3$) ~~[~~ mg/l~~]~~	--	less than 25% change from natural conditions	~~[~~Aquatic lifeb and wildlife propagation.~~]~~ *Propagation of aquatic life and propagation of wildlife.*
~~[~~Fecal Coliform No./100 ml~~]~~ *Escherichia coli Annual Geometric Mean Single Value*	~~[~~A.G.M.: ≤100 S.V.: ≤200~~]~~	~~[~~≤200/400c~~]~~ *126 MF/100ml 235 MF/100ml*	~~[~~Water contact recreationb, noncontact recreation,~~]~~ *Recreation involving contact with water, recreation not involving contact with water,* municipal or domestic supply, *or both,* irrigation ~~[~~, wildlife propagation and stock watering.~~]~~ *and watering of livestock.*

FLUSH a. 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.

FLUSH b. ~~[~~The most restrictive beneficial use.

~~c. Increase in color must not be more than 10 PCU above natural conditions.~~] ***The temperature beneficial use standard is ≤21°C during February through June when Lahontan cutthroat trout are present in the reach from Walker Lake to Weber Reservoir.***

FLUSH ***c. The nitrite beneficial use standard is ≤0.06 mg/l during February through June when Lahontan cutthroat trout are present in the reach from Walker Lake to the Weber Reservoir.***

FLUSH d. Increase in turbidity must not be more than 10 NTU above natural conditions.

~~[c. Based on the minimum of not less than 5 samples taken over a 30-day period, the fecal coliform bacterial level may not exceed a geometric mean of 200 per 100 ml nor may more than 10 percent of the total samples taken during any 30-day period exceed 400 per 100 ml.]~~

Sec. 15. NAC 445A.168 is hereby amended to read as follows:

445A.168

STANDARDS OF WATER QUALITY

Walker River ***at Schurz Bridge***

FLUSH Control Point at Schurz Bridge. The limits of this table apply from the inlet to Walker Lake to Weber Reservoir.

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	BENEFICIAL USES *(Most stringent use listed first)*
Temperature ~~[°C Maximum~~ ~~ΔTa]~~ ***Single Value***	ΔT = 0°C***a***	Nov.-Mar.: ≤13°C Apr.-Jun.: ≤23°C***b*** Jul.-Oct.: ≤28°C ΔT ≤2°C	~~[Aquatic lifeb]~~ ***Propagation of aquatic life*** and ***recreation involving contact with*** water . ~~[contact recreation.]~~
pH ~~[Units]~~ ***Single Value***	--	~~[S.V.: 7.0 – 8.3]~~ ***Within Range*** ***6.5 - 9.0 SU*** ΔpH: ±0.5 ***SU*** Max.	~~[Water contact recreationb, wildlife propagationb, aquatic life, irrigation, stock watering,]~~ ***Propagation of aquatic life, recreation involving contact with water, propagation of wildlife, irrigation, watering of livestock,*** municipal or domestic supply ***, or both,*** and industrial supply.
Total Phosphates (as P) ~~[mg/l]~~ ***Annual Average*** ***Single Value***		~~[A Avg.: ≤0.17 S.V.:]~~ ***≤0.17 mg/l*** ≤0.23 ***mg/l***	~~[Aquatic lifeb, water contact recreationb,]~~ ***Propagation of aquatic life, recreation involving contact with water,*** municipal or domestic supply ***, or both,*** and ~~[noncontact recreation.]~~ ***recreation not involving contact with water.***
Nitrogen Species ~~[(N) mg/l]~~ ***as N*** ***Annual Average*** ***Single Value*** ***Single Value*** ***Single Value***	Total Nitrogen ~~[A Avg.: ≤0.6 S.V.:]~~ ***:*** ***≤1.2 mg/l*** ≤1.5 ***mg/l***	Nitrate ~~[S.V.: ≤10 Nitrite S.V.:]~~ ***: ≤10 mg/l*** ***Nitrite:*** ≤1 ***mg/lc*** Ammonia S.V.: ≤0.06 ***mg/l*** (un-ionized)	Municipal or domestic ~~[supplyb, aquatic lifeb, water contact recreation, stock watering, wildlife propagation and noncontact recreation.]~~ ***supply, or both, propagation of aquatic life, recreation involving contact with water, watering of livestock, propagation of wildlife and recreation not involving contact with water.***
Dissolved Oxygen ~~[mg/l]~~ ***Single Value***	--	~~[S.V.: Nov. Apr.: ≥6.0 May Oct.:]~~ ***Nov.-May: ≥6.0 mg/l*** ***Jun.-Oct.:*** ≥5.0 ***mg/l***	~~[Aquatic lifeb, water contact recreation, wildlife propagation, stock watering,]~~ ***Propagation of aquatic life, recreation involving contact with water, propagation of wildlife, watering of livestock,*** municipal or domestic supply ***, or both,*** and ~~[noncontact recreation.]~~ ***recreation not involving contact with water.***
Suspended Solids ~~[mg/l]~~ ***Annual Average*** ***Single Value***	~~[A Avg.:]~~ ≤60 ***mg/l***	~~[S.V.:]~~ ≤80 ***mg/l***	~~[Aquatic lifeb.]~~ ***Propagation of aquatic life.***
Turbidity ~~[NTU]~~ ***Single Value***	~~--~~	D	~~[Aquatic lifeb]~~ ***Propagation of aquatic life*** and municipal or domestic supply ~~[.]~~ ***, or both.***
Color ~~[PCU]~~ ***Single Value***	--	~~[c]~~ ***≤75 PCU***	~~[Aquatic lifeb and municipal]~~ ***Municipal*** or domestic supply ~~[.]~~ ***, or both, and propagation of aquatic life.***
Total Dissolved Solids ~~[mg/l]~~ ***Annual Average*** ***Single Value***	~~[A Avg.: ≤390 S.V.:]~~ ***≤390 mg/l*** ≤570 ***mg/l***	~~[A Avg.:]~~ ≤500 ***mg/l***	Municipal or domestic ~~[supplyb,]~~ ***supply, or both,*** irrigation and ~~[stock watering.]~~ ***watering of livestock.***
~~[Chlorides mg/l]~~ ***Chloride***	~~[A Avg.: ≤23 S.V.:]~~	-- ~~[S.V.:]~~	Municipal or domestic ~~[supplyb, wildlife propagation,]~~ ***supply, or both, propagation of wildlife,*** irrigation and

Annual Average ***Single Value***	***≤23 mg/l*** ≤34 ***mg/l***	≤250 ***mg/l***	~~[stock watering.]~~ ***watering of livestock.***
Sulfate ~~[mg/l]~~ ***Single Value***	--	~~[S.V.:]~~ ≤250 ***mg/l***	Municipal or domestic ~~[supplyb.]~~ ***supply, or both.***
Sodium ~~[SAR]~~ ***Adsorption Ratio Annual Average***	~~[SAR A Avg.:]~~ ≤3	~~[A Avg.:]~~ ≤8	~~[Irrigationb]~~ ***Irrigation*** and municipal or domestic supply ~~[.]~~ ***, or both.***
Alkalinity (as $CaCO_3$) ~~[mg/l]~~	--	less than 25% change from natural conditions	~~[Aquatic lifeb and wildlife propagation.]~~ ***Propagation of aquatic life and propagation of wildlife.***
~~[Fecal Coliform No./100 ml]~~ ***Escherichia coli Annual Geometric Mean Single Value***	~~[A.G.M.: ≤50 S.V.: ≤110]~~	~~[≤200/400e]~~ ***126 MF/100ml 235 MF/100ml***	~~[Water contact recreationb, noncontact recreation,]~~ ***Recreation involving contact with water, recreation not involving contact with water,*** municipal or domestic supply, ***or both,*** irrigation ~~[, wildlife propagation and stock watering.]~~ ***and watering of livestock.***

FLUSH a. 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.

FLUSH b. ~~[The most restrictive beneficial use.~~

~~c. Increase in color must not be more than 10 PCU above natural conditions.]~~ ***The temperature beneficial use standard is ≤21°C during February through June when Lahontan cutthroat trout are present.***

FLUSH ***c. The nitrite beneficial use standard is ≤0.06 mg/l during February through June when Lahontan cutthroat trout are present.***

FLUSH d. Increase in turbidity must not be more than 10 NTU above natural conditions.

~~[e. Based on the minimum of not less than 5 samples taken over a 30-day period, the fecal coliform bacterial level may not exceed a geometric mean of 200 per 100 ml nor may more than 10 percent of the total samples taken during any 30-day period exceed 400 per 100 ml.]~~

Sec. 16. NAC 445A.169 is hereby amended to read as follows:

445A.169

STANDARDS OF WATER QUALITY

Desert Creek

FLUSH

Control Point at Desert Creek. The limits of this table apply to Desert Creek from its confluence with the West Walker River to the state line.

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	BENEFICIAL USES *(Most stringent use listed first)*
Temperature ~~[°C Maximum~~ ~~ΔTa]~~ ***Single Value***	ΔT = 0°C***a***	Nov.-Apr.: ≤13°C May-Jun.: ≤17°C Jul.-Oct.: ≤23°C ΔT ≤2°C***a***	~~[Aquatic lifeb]~~ ***Propagation of aquatic life*** and ***recreation involving contact with*** water . ~~[contact recreation.]~~
pH ~~[Units]~~ ***Single Value***	--	~~[S.V.: 7.0 - 8.3]~~ ***Within Range*** ***6.5 - 9.0 SU*** ΔpH: ±0.5 ***SU*** Max.	~~[Water contact recreationb, wildlife propagationb, aquatic life, irrigation, stock watering.]~~ ***Propagation of aquatic life, recreation involving contact with water, propagation of wildlife, irrigation, watering of livestock,*** municipal or domestic supply ***, or both,*** and industrial supply.
Total Phosphates (as P) ~~[mg/l]~~ ***Annual Average*** ***Single Value***	~~[S.V.]~~ ≤0.13 ***mg/l***	~~[A Avg.:]~~ ≤0.1 ***mg/l***	~~[Aquatic lifeb, water contact recreationb,]~~ ***Propagation of aquatic life, recreation involving contact with water,*** municipal or domestic supply ***, or both,*** and ~~[noncontact recreation.]~~ ***recreation not involving contact with water.***
Nitrogen Species ~~[(N) - mg/l]~~ ***as N*** ***Annual Average*** ***Single Value*** ***Single Value*** ***Single Value***	Total ~~[Nitrates A Avg.: ≤0.20 S.V.:]~~ ***Nitrate: ≤0.20 mg/l*** ≤0.27 ***mg/l***	Nitrate ~~[S.V.: ≤10 Nitrite S.V.:]~~ ***: ≤10 mg/l*** ***Nitrite:*** ≤0.06 ***mg/l*** Ammonia S.V.: ≤0.02 ***mg/l*** (un-ionized)	Municipal or domestic ~~[supplyb, aquatic lifeb, water contact recreation, stock watering, wildlife propagation and noncontact recreation.]~~ ***supply, or both, propagation of aquatic life, recreation involving contact with water, watering of livestock, propagation of wildlife and recreation not involving contact with water.***
Dissolved Oxygen ~~[mg/l]~~ ***Single Value***	--	~~[S.V.:]~~ Nov.-May: ≥6.0 mg/l Jun.-Oct.: ≥5.0 ***mg/l***	~~[Aquatic lifeb, water contact recreation, wildlife propagation, stock watering.]~~ ***Propagation of aquatic life, recreation involving contact with water, propagation of wildlife, watering of livestock,*** municipal or domestic supply ***, or both,*** and ~~[noncontact recreation.]~~ ***recreation not involving contact with water.***
Suspended Solids ~~[mg/l]~~ ***Single Value***	--	~~[S.V.:]~~ ≤80 ***mg/l***	~~[Aquatic lifeb.]~~ ***Propagation of aquatic life.***
Turbidity ~~[NTU]~~ ***Single Value***	~~--~~	~~[d]~~ ***b***	~~[Aquatic lifeb]~~ ***Propagation of aquatic life*** and municipal or domestic supply ~~[.]~~ ***, or both.***
Color ~~[PCU]~~ ***Single Value***	--	~~[c]~~ ***≤75 PCU***	~~[Aquatic lifeb and municipal]~~ ***Municipal*** or domestic supply ~~[.]~~ ***, or both, and propagation of aquatic life.***
Total Dissolved Solids ~~[mg/l]~~ ***Annual Average*** ***Single Value***	~~[A Avg.: ≤110 S.V.:]~~ ***≤110 mg/l*** ≤130 ***mg/l***	~~[A Avg.:]~~ ≤500 ***mg/l***	Municipal or domestic ~~[supplyb,]~~ ***supply, or both,*** irrigation and ~~[stock watering.]~~ ***watering of livestock.***

~~[Chlorides - mg/l]~~ ***Chloride*** ***Annual Average*** ***Single Value***	~~[A-Avg.: ≤5 S.V.:]~~ ***≤5 mg/l*** ≤7 ***mg/l***	-- ~~[S.V.:]~~ ≤250 ***mg/l***	Municipal or domestic ~~[supplyb, wildlife propagation,]~~ ***supply, or both, propagation of wildlife,*** irrigation and ~~[stock watering.]~~ ***watering of livestock.***
Sulfate ~~[mg/l]~~ ***Single Value***	--	~~[S.V.:]~~ ≤250 ***mg/l***	Municipal or domestic ~~[supplyb.]~~ ***supply, or both.***
Sodium ~~[SAR]~~ ***Adsorption Ratio*** ***Annual Average***	--	~~[A-Avg.:]~~ ≤8	~~[Irrigationb]~~ ***Irrigation*** and municipal or domestic supply ~~[,]~~ ***, or both.***
Alkalinity (as $CaCO_3$) ~~[mg/l]~~	--	less than 25% change from natural conditions	~~[Aquatic lifeb and wildlife propagation.]~~ ***Propagation of aquatic life and propagation of wildlife.***
~~[Fecal Coliform No./100 ml]~~ ***Escherichia coli*** ***Annual Geometric Mean*** ***Single Value***	~~[A.G.M.: ≤100 S.V.: ≤200]~~	~~[≤200/400c]~~ ***126 MF/100ml*** ***235 MF/100ml***	~~[Water contact recreationb, noncontact recreation,]~~ ***Recreation involving contact with water, recreation not involving contact with water,*** municipal or domestic supply, ***or both,*** irrigation ~~[, wildlife propagation and stock watering.]~~ ***and watering of livestock.***

FLUSH a. 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.

FLUSH b. ~~[The most restrictive beneficial use.~~

~~c. Increase in color must not be more than 10 PCU above natural conditions.~~

~~d.]~~ Increase in turbidity must not be more than 10 NTU above natural conditions.

~~[e. Based on the minimum of not less than 5 samples taken over a 30-day period, the fecal coliform bacterial level may not exceed a geometric mean of 200 per 100 ml nor may more than 10 percent of the total samples taken during any 30-day period exceed 400 per 100 ml.]~~

NEVADA STATE ENVIRONMENTAL COMMISSION
NOTICE OF PUBLIC HEARING

The Nevada State Environmental Commission will hold a public hearing beginning at **10:30 a.m. on Tuesday, December 5, 2000**, **at the Casino West Convention Center, 11 North Main Street, Yerington, Nevada.**

The purpose of the hearing is to receive comments from all interested persons regarding the adoption, amendment, or repeal of regulations. If no person directly affected by the proposed action appears to request time to make an oral presentation, the State Environmental Commission may proceed immediately to act upon any written submission.

1. Petition 2000-10 (LCB R-104-00) is a permanent amendment to NAC 445A.119 to 445A.225, the water pollution control standards for water quality. The amendment adds new water quality standards and beneficial uses for Walker Lake and amends the standards for various reaches of the East and West forks of the Walker River. A new control point is proposed to be added on the east Walker River at Bridge B-1475 at the state line with California. Amendments are proposed for NAC 445A.159 to 445A.169, inclusive including Sweetwater Creek and Desert Creek of the Walker River. Amendments vary for each reach defined above, but include: temperature, pH, total phosphates, nitrogen species as N, Dissolved Oxygen, suspended solids, turbidity, color, total dissolved solids, chloride, sulfate, the sodium adsorption ratio, alkalinity and Escherichia coli. It is proposed to revise the time period that adult Lahontan cutthroat trout may be present in the reach from Walker Lake to Weber Reservoir.

The proposed regulation will not have an adverse economic impact on businesses, since the amendments do not regulate business. There is a possible long-term impact of secondary adverse economic effects on the agricultural community if the proposed standards are used by other government agencies to acquire water rights for the benefit of Walker Lake. The standards will provide a long-term protection of Walker Lake that will have a beneficial economic effect on tourism related business. The proposed amendments are not expected to have any economic short or long-term adverse impact upon the public. The implementation of the proposed regulation is not expected to result in any additional cost by the Division of Environmental Protection for enforcement. There are no other state or government agency regulations which the proposed amendments duplicate. The federal government has delegated the responsibility of establishing water quality standards to the state, therefore, there is no federal regulation for water quality standards for the Walker River Basin. This regulation is no more restrictive or stringent than federal requirements This regulation does not provide for any new or increased fees.

2. Petition 2001-02 temporarily amends NAC 444.842 to 444.960, the hazardous waste regulations. The proposed amendments update the State's adoption of federal regulations by reference by amending NAC 444.8427, 444.84275, 444.850 and 444.9452 to refer to federal regulations as they existed on July 1, 2000 and modify 444.8632 to adopt 40 CFR Parts 2, Subpart A, 124, Subparts A and B, Parts 260 to 270 and Part 279 as those parts existed on July 1, 2000

There will be no adverse economic impact upon the regulated business community. Conversely, the proposed amendment should make it easier for affected businesses to comply by simplifying the regulations. The proposed amendments will have no adverse economic impact upon the public. There will be no additional cost to the Division of Environmental Protection for enforcement of these amendments. There are no other State regulations which the amendments overlap or duplicate. This regulation is no more restrictive or stringent than the federal requirements. The amendment does not provide a new fee and does not amend existing fees.

Pursuant to NRS 233B.0603 the provisions of NRS 233B.064 (2) are hereby provided:

"Upon adoption of any regulation, the agency, if requested to do so by an interested person, either prior to adoption or within 30 days thereafter, shall issue a concise statement of the principal reasons for and against its adoption, and incorporation therein its reason for overruling the consideration urged against its adoption."

Persons wishing to comment on the proposed regulation changes may appear at the scheduled public hearing or may address their comments, data, views or arguments, in written form, to the Environmental Commission, 333 West Nye Lane, Carson City, Nevada 89706-0851. Written submissions must be received at least five days before the scheduled public hearing.

A copy of the regulations to be adopted or amended will be on file at the State Library, 100 Stewart Street and the Division of Environmental Protection, 333 West Nye Lane - Room 104, in Carson City and at the Division of Environmental Protection, 555 E. Washington - Suite 4300, in Las Vegas for inspection by members of the public during business hours. In addition, copies of the regulations and public notices have been deposited at major library branches in each county in Nevada. The notice and the text of the proposed regulations are also available in the State of Nevada Register of Administrative Regulations which is prepared and published monthly by the Legislative Counsel Bureau pursuant to NRS 233B.0653. The proposed regulations are on the Internet at **http:/www.leg.state.nv.us.** In addition, the State Environmental Commission maintains an Internet site. It is at **http://www.state.nv.us/ndep/admin/envir01.htm**. This site contains the public notice, agenda, codified regulations, and petitions for pending and past commission actions.

Members of the public who are disabled and require special accommodations or assistance at the meeting are requested to notify, in writing, the Nevada State Environmental Commission, in care of David Cowperthwaite, 333 West Nye Lane, Room 138, Carson City, Nevada, 89706-0851, facsimile (775) 687-5856, or by calling (775) 687-4670 Extension 3118, no later than 5:00 p.m. on November 29, 2000.

This public notice has been posted at the following locations: Clark County Public Library and Grant Sawyer Office Building in Las Vegas, Washoe County Library in Reno, Division of Environmental Protection and Department of Museums, Library and Arts in Carson City, the Casino West Convention Center and the Lyon County Courthouse in Yerington and the Mineral County Courthouse in Hawthorne, Nevada.

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