ADOPTED REGULATION OF THE

STATE ENVIRONMENTAL COMMISSION

LCB File No. R133-10

Effective December 16, 2010

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

AUTHORITY: §§1-18, NRS 445A.425 and 445A.520.

A REGULATION relating to water quality; establishing certain water quality standards in the Snake Region; revising certain water quality standards for certain bodies of water in the Snake Region; and providing other matters properly relating thereto.

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. ***The limits of this table apply to the body of water known as Taylor Canyon Creek from its origin to its confluence with the South Fork of the Owyhee River. Taylor Canyon Creek is located in Elko County.***

STANDARDS OF WATER QUALITY

Taylor Canyon Creek

PARAMETER	*REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY*	*WATER QUALITY STANDARDS FOR BENEFICIAL USES*	*Beneficial Use* [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													

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use [a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Temperature - °C Maximum		S.V. May-Oct < 21 S.V. Nov-Apr < 13			*	X							
pH - SU		S.V. 6.5 - 9.0			*	X		X					
Total Phosphorous (as P) - mg/l		S.V. ≤ 0.1 [b]			*	*	X	X					
Nitrogen Species (as N) - mg/l		Nitrate S.V. ≤ 10 Nitrite S.V. ≤ 0.06 Total Nitrogen [b]			X * *	 *	 X	* X 					
Total Ammonia (as N) - mg/l		[c]			*								
Dissolved Oxygen - mg/l		S.V. ≥ 6.0	X		*	X	X	X		X			
Suspended Solids - mg/l		S.V. ≤ 25			*			X					
Turbidity - NTU		S.V. ≤ 10			*			X					
Total Dissolved Solids - mg/l		S.V. ≤ 500	X	X				*					
Chlorides - mg/l		S.V. ≤ 250	X	X				*		X			
Sulfate - mg/l		S.V. ≤ 250						*					
E. coli - No./100 ml		A.G.M. ≤ 126 S.V. ≤ 410				*	X						
Fecal Coliform - No./100 ml		S.V. ≤ 1,000	*	*			X	X		*			
Color - PCU		S.V. ≤ 75						*					

* = The most restrictive beneficial use.

X = Beneficial use.

[a] *Refer to NAC 445A.122 and section 26 of LCB File No. R160-06 for beneficial use terminology.*

[b] *The water must not contain nutrient concentrations from a source other than a natural source which cause the growth of algae or aquatic plants in amounts that interfere with any beneficial uses of the water.*

[c] *The ambient water quality criteria for ammonia are specified in NAC 445A.118.*

Sec. 3. *The limits of this table apply to the body of water known as Trout Creek from the Nevada-Idaho state line to its confluence with Goose Creek. This segment of Trout Creek is located in Elko County.*

STANDARDS OF WATER QUALITY

Trout Creek at Goose Creek

PARAMETER	*REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY*	*WATER QUALITY STANDARDS FOR BENEFICIAL USES*	*Beneficial Use* [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 Maximum		*S.V. May-Oct < 21* *S.V. Nov-Apr < 13*			*	*X*							
pH - SU		*S.V. 6.5 - 9.0*			*	*X*		*X*					
Total Phosphorous (as P) - mg/l		*S.V. ≤ 0.1* [b]			*	*	*X*	*X*					
Nitrogen Species (as N) - mg/l		*Nitrate S.V. ≤ 10* *Nitrite S.V. ≤ 0.06* *Total Nitrogen* [b]			*X* * *	 *	 *X*	* *X 					
Total Ammonia (as N) - mg/l		[c]			*								

PARAMETER	*REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY*	*WATER QUALITY STANDARDS FOR BENEFICIAL USES*	*Beneficial Use* [a]										
			Livestock	*Irrigation*	*Aquatic*	*Contact*	*Noncontact*	*Municipal*	*Industrial*	*Wildlife*	*Aesthetic*	*Enhance*	*Marsh*
Dissolved Oxygen - mg/l		*S.V. ≥ 6.0*	*X*		*	*X*	*X*	*X*		*X*			
Suspended Solids - mg/l		*S.V. ≤ 25*			*			*X*					
Turbidity - NTU		*S.V. ≤ 10*			*			*X*					
Total Dissolved Solids - mg/l		*S.V. ≤ 500*	*X*	*X*				*					
Chlorides - mg/l		*S.V. ≤ 250*	*X*	*X*				*		*X*			
Sulfate - mg/l		*S.V. ≤ 250*						*					
E. coli - No./100 ml		*A.G.M. ≤ 126* *S.V. ≤ 410*				*	*X*						
Fecal Coliform - No./100 ml		*S.V. ≤ 1,000*	*	*			*X*	*X*		*			
Color - PCU		*S.V. ≤ 75*			*			*					

** = The most restrictive beneficial use.*

X = Beneficial use.

[a] *Refer to NAC 445A.122 and section 26 of LCB File No. R160-06 for beneficial use terminology.*

[b] *The water must not contain nutrient concentrations from a source other than a natural source which cause the growth of algae or aquatic plants in amounts that interfere with any beneficial uses of the water.*

[c] *The ambient water quality criteria for ammonia are specified in NAC 445A.118.*

Sec. 4. ***The limits of this table apply to the body of water known as Trout Creek from its origin to its confluence with Salmon Falls Creek. This segment of Trout Creek is located in Elko County.***

STANDARDS OF WATER QUALITY

Trout Creek at Salmon Falls Creek

PARAMETER	*REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY*	*WATER QUALITY STANDARDS FOR BENEFICIAL USES*	*Beneficial Use* [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 Maximum		*S.V. May-Oct < 21* *S.V. Nov-Apr < 13*			*	*X*							
pH - SU		*S.V. 6.5 - 9.0*			*	*X*		*X*					
Total Phosphorous (as P) - mg/l		*S.V. ≤ 0.1* [b]			*	*	*X*	*X*					
Nitrogen Species (as N) - mg/l		*Nitrate S.V. ≤ 10* *Nitrite S.V. ≤ 0.06* *Total Nitrogen* [b]			*X* * *	 *	 *X*	* *X 					
Total Ammonia (as N) - mg/l		[c]			*								
Dissolved Oxygen - mg/l		*S.V. ≥ 6.0*	*X*		*	*X*	*X*	*X*		*X*			
Suspended Solids - mg/l		*S.V. ≤ 25*			*			*X*					
Turbidity - NTU		*S.V. ≤ 10*			*			*X*					
Total Dissolved Solids - mg/l		*S.V. ≤ 500*	*X*	*X*				*					
Chlorides - mg/l		*S.V. ≤ 250*	*X*	*X*				*		*X*			
Sulfate - mg/l		*S.V. ≤ 250*						*					
E. coli - No./100 ml		*A.G.M. ≤ 126* *S.V. ≤ 410*				*	*X*						

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use [a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Fecal Coliform - No./100 ml		S.V. ≤ 1,000	*	*			X	X		*			
Color - PCU		S.V. ≤ 75						*					

* = The most restrictive beneficial use.

X = Beneficial use.

[a] Refer to NAC 445A.122 and section 26 of LCB File No. R160-06 for beneficial use terminology.

[b] The water must not contain nutrient concentrations from a source other than a natural source which cause the growth of algae or aquatic plants in amounts that interfere with any beneficial uses of the water.

[c] The ambient water quality criteria for ammonia are specified in NAC 445A.118.

Sec. 5. *The limits of this table apply to the body of water known as Jack Creek from its origin to its confluence with the Jarbidge River. Jack Creek is located in Elko County.*

STANDARDS OF WATER QUALITY

Jack Creek at Jarbidge River

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use [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 Maximum		S.V. May-Oct < 21 S.V. Nov-Apr < 7			*	X							
pH - SU		S.V. 6.5 - 9.0			*	X		X					

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use [a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Total Phosphorous (as P) - mg/l		S.V. ≤ 0.1 [b]			*	*	X	X					
Nitrogen Species (as N) - mg/l		Nitrate S.V. ≤ 10 Nitrite S.V. ≤ 0.06 Total Nitrogen [b]			X * *	 *	 X	* X 					
Total Ammonia (as N) - mg/l		[c]			*								
Dissolved Oxygen - mg/l		S.V. ≥ 6.0	X		*	X	X	X		X			
Suspended Solids - mg/l		S.V. ≤ 25			*			X					
Turbidity - NTU		S.V. ≤ 10			*			X					
Total Dissolved Solids - mg/l		S.V. ≤ 500	X	X				*					
Chlorides - mg/l		S.V. ≤ 250	X	X				*		X			
Sulfate - mg/l		S.V. ≤ 250						*					
E. coli - No./100 ml		A.G.M. ≤ 126 S.V. ≤ 410				*	X						
Fecal Coliform - No./100 ml		S.V. ≤ 1,000	*	*			X	X		*			
Color - PCU		S.V. ≤ 75						*					

** = The most restrictive beneficial use.*

X = Beneficial use.

[a] *Refer to NAC 445A.122 and section 26 of LCB File No. R160-06 for beneficial use terminology.*

[b] ***The water must not contain nutrient concentrations from a source other than a natural source which cause the growth of algae or aquatic plants in amounts that interfere with any beneficial uses of the water.***

[c] ***The ambient water quality criteria for ammonia are specified in NAC 445A.118.***

Sec. 6. Section 26 of LCB File No. R160-06 is hereby amended to read as follows:

Sec. 26. The designated beneficial uses for select bodies of water within the Snake Region are prescribed in this section:

Water Body Name	Segment Description	Beneficial Uses											Aquatic Species of Concern	Water Quality Standard NAC Reference
		Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh		
~~[Big]~~ Goose Creek	~~[At Ranch.]~~ ***Within the State of Nevada.***	X	X	X	X	X	X	X	X					section 28 of this regulation
Salmon Falls Creek	~~[At U.S. Highway 93 south of Jackpot.]~~ ***From the confluence of the North and South Forks of Salmon Falls Creek to the Nevada-Idaho state line.***	X	X	X	X	X	X	X	X					section 29 of this regulation
Shoshone Creek	~~[Jackpot to Delaplain Road.]~~ ***From the Nevada-Idaho state line to its confluence with Salmon Falls Creek.***	X	X	X	X	X	X	X	X					section 30 of this regulation
Jarbidge River, East Fork	~~[At]~~ ***From its origin to*** the Nevada-Idaho state line.	X	X	X	X	X	X	X	X					section 31 of this regulation
Jarbidge River, above Jarbidge	~~[Upstream from Jarbidge at bridge.]~~ ***From its origin to the bridge above the town of Jarbidge.***	X	X	X	X	X	X	X	X					section 32 of this regulation

Water Body Name	Segment Description	Beneficial Uses											Aquatic Species of Concern	Water Quality Standard NAC Reference
		Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh		
Jarbidge River, below Jarbidge	~~[Downstream from Jarbidge at bridge.]~~ ***From the bridge above the town of Jarbidge to the Nevada-Idaho state line.***	X	X	X	X	X	X	X	X					section 33 of this regulation
~~[West Fork]~~ Bruneau River	~~[At Diamond "A" Road.]~~ ***From its origin to the Nevada-Idaho state line.***	X	X	X	X	X	X	X	X					section 34 of this regulation
Owyhee River, ~~[East Fork]~~ above Mill Creek	~~[Above Mill Creek.]~~ ***From Wildhorse Reservoir to its confluence with Mill Creek.***	X	X	X	X	X	X	X	X					section 35 of this regulation
Owyhee River, ~~[East Fork at New China Dam]~~ ***below Mill Creek***	~~[At New China Dam.]~~ ***From its confluence with Mill Creek to the border of the Duck Valley Indian Reservation.***	X	X	X	X	X	X	X	X					section 36 of this regulation
~~[Owyhee River, East Fork at the state line~~	~~At the Nevada-Idaho state line.~~	~~X~~	~~X~~											~~section 37 of this regulation]~~
Owyhee River, South Fork ~~[at Petan Access Road~~	~~At Petan Access Road.]~~ ***From its origin to the Nevada-Idaho state line.***	X	X	X	X	X	X	X	X					section 38 of this regulation
Salmon Falls Creek, North Fork	From the national forest boundary to its confluence with the South Fork of Salmon Falls Creek.	X	X	X	X	X	X	X	X				Trout	section 39 of this regulation

Water Body Name	Segment Description	Beneficial Uses											Aquatic Species of Concern	Water Quality Standard NAC Reference
		Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh		
Salmon Falls Creek, South Fork	From the national forest boundary to its confluence with the North Fork of Salmon Falls Creek.	X	X	X	X	X	X	X	X				Trout	section 40 of this regulation
Camp Creek at the national forest boundary	From its origin to the national forest boundary.	X	X	X	X	X	X		X					section 41 of this regulation
Camp Creek at the South Fork of Salmon Falls Creek	From the national forest boundary to its confluence with the South Fork of Salmon Falls Creek.	X	X	X	X	X	X	X	X				Trout	section 42 of this regulation
Cottonwood Creek at the national forest boundary	From its origin to the national forest boundary.	X	X	X	X	X	X		X					section 43 of this regulation
Cottonwood Creek at the South Fork of Salmon Falls Creek	From the national forest boundary to its confluence with the South Fork of Salmon Falls Creek.	X	X	X	X	X	X	X	X				Trout	section 44 of this regulation
Canyon Creek at the national forest boundary	From its origin to the national forest boundary.	X	X	X	X	X	X		X					section 45 of this regulation
Canyon Creek at the South Fork of Salmon Falls Creek	From the national forest boundary to its confluence with the South Fork of Salmon Falls Creek.	X	X	X	X	X	X	X	X				Trout	section 46 of this regulation

Water Body Name	Segment Description	Beneficial Uses											Aquatic Species of Concern	Water Quality Standard NAC Reference
		Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh		
Bear Creek	From its origin to the point of diversion for the Jarbidge municipal water supply, near the east line of section 17, T. 46 N., R. 58 E., M.D.B. & M.	X	X	X	X	X	X		X					section 47 of this regulation
76 Creek	The entire length.	X	X	X	X	X	X	X	X				Trout	section 48 of this regulation
Owyhee River, East Fork above Wildhorse Reservoir	From its origin to Wildhorse Reservoir.	X	X	X	X	X	X		X					section 49 of this regulation
Deep Creek	From its origin to Wildhorse Reservoir.	X	X	X	X	X	X		X					section 50 of this regulation
Penrod Creek, including tributaries	From its origin, including its tributaries, to Wildhorse Reservoir.	X	X	X	X	X	X		X					section 51 of this regulation
Hendricks Creek	From its origin to Wildhorse Reservoir.	X	X	X	X	X	X		X					section 52 of this regulation
Wildhorse Reservoir	The entire reservoir.	X	X	X	X	X	X	X	X				Trout	section 53 of this regulation
Brown's Gulch	From its origin to the point of diversion for the Mountain City municipal water supply, near the south line of section 24, T. 46 N., R. 53 E., M.D.B. & M.	X	X	X	X	X	X		X					section 54 of this regulation

Water Body Name	Segment Description	Beneficial Uses											Aquatic Species of Concern	Water Quality Standard NAC Reference
		Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh		
Jack Creek	From its origin to its confluence with Harrington Creek.	X	X	X	X	X	X		X					section 55 of this regulation
Harrington Creek	From its confluence with Jack Creek to the South Fork of the Owyhee River.	X	X	X	X	X	X	X	X				Trout	section 56 of this regulation
Bull Run Reservoir	The entire reservoir.	X	X	X	X	X	X	X	X				Trout	section 57 of this regulation
Wilson Reservoir	The entire reservoir.	X	X	X	X	X	X	X	X				Trout	section 58 of this regulation
Taylor Canyon Creek	***From its origin to its confluence with the South Fork of the Owyhee River.***	***X***	***X***	***X***	***X***	***X***	***X***	***X***	***X***					***section 2 of LCB File No. R133-10***
Trout Creek at Goose Creek	***From the Nevada-Idaho state line to its confluence with Goose Creek.***	***X***	***X***	***X***	***X***	***X***	***X***	***X***	***X***					***section 3 of LCB File No. R133-10***
Trout Creek at Salmon Falls Creek	***From its origin to its confluence with Salmon Falls Creek.***	***X***	***X***	***X***	***X***	***X***	***X***	***X***	***X***					***section 4 of LCB File No. R133-10***
Jack Creek at Jarbidge River	***From its origin to its confluence with the Jarbidge River.***	***X***	***X***	***X***	***X***	***X***	***X***	***X***	***X***					***section 5 of LCB File No. R133-10***
Irrigation	Irrigation													
Livestock	Watering of livestock													
Contact	Recreation involving contact with the water													
Noncontact	Recreation not involving contact with the water													

Water Body Name	Segment Description	Beneficial Uses											Aquatic Species of Concern	Water Quality Standard NAC Reference
		Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh		
Industrial	Industrial supply													
Municipal	Municipal or domestic supply, or both													
Wildlife	Propagation of wildlife													
Aquatic	Propagation of aquatic life													
Aesthetic	Waters of extraordinary ecological or aesthetic value													
Enhance	Enhancement of water quality													

Sec. 7. Section 27 of LCB File No. R160-06 is hereby amended to read as follows:

Sec. 27. The standards for water quality for ~~[select bodies of water within]~~ the Snake Region are prescribed in sections 27 to 58, inclusive, of this regulation ~~[.]~~ ***, and sections 2 to 5, inclusive, of LCB File No. R133-10.***

Sec. 8. Section 28 of LCB File No. R160-06 is hereby amended to read as follows:

Sec. 28. The limits of this table apply to the body of water known as ~~[Big]~~ Goose Creek ~~[for the control point at Ranch. Big]~~ ***within the State of Nevada.*** Goose Creek is located in Elko County.

STANDARDS OF WATER QUALITY

~~[Big]~~ Goose Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use [a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use [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	 ΔT = 0	S.V. May-Oct < 21 S.V. Nov-Apr < 13 ΔT < 1			*	X							
pH - SU	ΔpH ±0.5	S.V. 6.5 - 9.0			*	X		X					
Total Phosphorus (as P) - mg/l		S.V. ~~≤~~ ≤ 0.1			*	*	X	X					
Nitrogen Species (as N) - mg/l	Nitrate S.V. ~~≤~~ ≤ 1.0	Nitrate S.V. ~~≤~~ ≤ 10 Nitrite S.V. ~~≤~~ ≤ 0.06			*	X	X	*					
Total Ammonia (as N) - mg/l		[c]			*								
Dissolved Oxygen - mg/l		S.V. ~~≥~~ ≥ 6.0	X		*	X	X	X		X			
Suspended Solids - mg/l		S.V. ~~≤~~ ≤ 25			*			X					
Turbidity - NTU		S.V. ~~≤~~ ≤ 10			*			X					
Total Dissolved Solids - mg/l	S.V. ~~≤~~ ≤ 185	S.V. ~~≤~~ ≤ 500	X	X				*					
Chlorides - mg/l	S.V. ~~≤~~ ≤ 9.0	S.V. ~~≤~~ ≤ 250	X	X				*		X			
Sulfate - mg/l		***S.V. ≤ 250***						*					
Alkalinity (as CO_3) - mg/l		< 25% change from natural conditions			*					X			
E coli - No./100 ml		AGM ≤ 126 S.V. ≤ 410				*	X						

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use [a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Fecal Coliform - No./100 ml		~~[< 200/400 [d]]~~ ***S.V. ≤ 1,000***	*	~~[X]~~ *		~~[*]~~	X	X		~~[X]~~ *			
Color - PCU		~~[[e]]~~ ***S.V. ≤ 75***						*					

* = The most restrictive beneficial use.

X = Beneficial use.

[a] Refer to NAC 445A.122 and section 26 of this regulation 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 ambient water quality criteria for ammonia are specified in NAC 445A.118.

~~[[d] The annual geometric mean must not exceed 200 per 100 milliliters, nor may the number of fecal coliform in a single sample exceed 400 per 100 milliliters.~~

~~[e] Increase in color must not be more than 10 color units above natural conditions.]~~

Sec. 9. Section 29 of LCB File No. R160-06 is hereby amended to read as follows:

Sec. 29. The limits of this table apply to the body of water known as Salmon Falls Creek ~~[for the control point at U.S. Highway 93 south of Jackpot.]~~ ***from the confluence of the North and South Forks of Salmon Falls Creek to the Nevada-Idaho state line.*** Salmon Falls Creek is located in Elko County.

STANDARDS OF WATER QUALITY

Salmon Falls Creek

PARAMETER	REQUIREMENTS	WATER QUALITY	Beneficial Use [a]

	TO MAINTAIN EXISTING HIGHER QUALITY	STANDARDS FOR 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													
Temperature - °C ΔT^b - °C	 $\Delta T = 0$	S.V. May-Oct < 21 S.V. Nov-Apr < 13 $\Delta T < 1$			*	X							
pH - SU	$\Delta pH \pm 0.5$	S.V. 6.5 - 9.0			*	X		X					
Total Phosphorus (as P) - mg/l		S.V. ~~≤~~ ≤ 0.1			*	*	X	X					
Nitrogen Species (as N) - mg/l	Nitrate S.V. ~~≤~~ ≤ 1.0	Nitrate S.V. ~~≤~~ ≤ 10 Nitrite S.V. ~~≤~~ ≤ 0.06			*	X	X	*					
Total Ammonia (as N) - mg/l		[c]			*								
Dissolved Oxygen - mg/l		S.V. ~~≥~~ ≥ 6.0	X		*	X	X	X		X			
Suspended Solids - mg/l		S.V. ~~≤~~ ≤ 25			*			X					
Turbidity - NTU		S.V. ~~≤~~ ≤ 10			*			X					
Total Dissolved Solids - mg/l	S.V. ~~≤~~ ≤ 250	S.V. ~~≤~~ ≤ 500	X	X				*					
Chlorides - mg/l	S.V. ~~≤~~ ≤ 14.0	S.V. ~~≤~~ ≤ 250	X	X				*		X			
Sulfate - mg/l		***S.V. ≤ 250***						*					
Alkalinity (as CO_3) - mg/l		< 25% change from natural conditions			*					X			
E coli - No./100 ml		AGM ≤ 126 S.V. ≤ 410				*	X						

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use [a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Fecal Coliform - No./100 ml	S.V. ~~[<]~~ ≤ 90	~~[< 200/400[d]]~~ ***S.V. ≤ 1,000***	*	~~[X]~~ *		~~[*]~~	X	X		~~[X]~~ *			
Color - PCU		~~[[e]]~~ ***S.V. ≤ 75***						*					

* = The most restrictive beneficial use.

X = Beneficial use.

[a] Refer to NAC 445A.122 and section 26 of this regulation 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 ambient water quality criteria for ammonia are specified in NAC 445A.118.

~~[[d] The annual geometric mean must not exceed 200 per 100 milliliters, nor may the number of fecal coliform in a single sample exceed 400 per 100 milliliters.~~

~~[e] Increase in color must not be more than 10 color units above natural conditions.]~~

Sec. 10. Section 30 of LCB File No. R160-06 is hereby amended to read as follows:

Sec. 30. The limits of this table apply to the body of water known as Shoshone Creek ~~[for the control point at Jackpot to Delaplain Road.]~~ ***from the Nevada-Idaho state line to its confluence with Salmon Falls Creek.*** Shoshone Creek is located in Elko County.

STANDARDS OF WATER QUALITY

Shoshone Creek

PARAMETER	REQUIREMENTS	WATER QUALITY	Beneficial Use [a]

	TO MAINTAIN EXISTING HIGHER QUALITY	STANDARDS FOR 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													
Temperature - °C ΔT [b] - °C	 ΔT = 0	S.V. May-Oct < 21 S.V. Nov-Apr < 13 ΔT < 1			*	X							
pH - SU	ΔpH ±0.5	S.V. 6.5 - 9.0			*	X		X					
Total Phosphorus (as P) - mg/l		S.V. ~~≤~~ ≤ 0.1			*	*	X	X					
Nitrogen Species (as N) - mg/l	Nitrate S.V. ~~≤~~ ≤ 1.0	Nitrate S.V. ~~≤~~ ≤ 10 Nitrite S.V. ~~≤~~ ≤ 0.06			*	X	X	*					
Total Ammonia (as N) - mg/l		[c]			*								
Dissolved Oxygen - mg/l		S.V. ~~≥~~ ≥ 6.0	X		*	X	X	X		X			
Suspended Solids - mg/l		S.V. ~~≤~~ ≤ 25			*			X					
Turbidity - NTU		S.V. ~~≤~~ ≤ 10			*			X					
Total Dissolved Solids - mg/l	S.V. ~~≤~~ ≤ 250	S.V. ~~≤~~ ≤ 500	X	X				*					
Chlorides - mg/l	S.V. ~~≤~~ ≤ 15.0	S.V. ~~≤~~ ≤ 250	X	X				*		X			
Sulfate - mg/l		***S.V. ≤ 250***						*					
Alkalinity (as CO_3) - mg/l		< 25% change from natural conditions			*					X			
E coli - No./100 ml		AGM ≤ 126 S.V. ≤ 410				*	X						

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use [a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Fecal Coliform - No./100 ml		~~[< 200/400 [d]]~~ ***S.V. ≤ 1,000***	*	~~[X]~~ *		~~[*]~~	X	X		~~[X]~~ *			
Color - PCU		~~[[e]]~~ ***S.V. ≤ 75***						*					

* = The most restrictive beneficial use.

X = Beneficial use.

[a] Refer to NAC 445A.122 and section 26 of this regulation 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 ambient water quality criteria for ammonia are specified in NAC 445A.118.

~~[[d] The annual geometric mean must not exceed 200 per 100 milliliters, nor may the number of fecal coliform in a single sample exceed 400 per 100 milliliters.~~

~~[e] Increase in color must not be more than 10 color units above natural conditions.]~~

Sec. 11. Section 31 of LCB File No. R160-06 is hereby amended to read as follows:

Sec. 31. The limits of this table apply to the body of water known as the East Fork of Jarbidge River ~~[at]~~ ***from its origin to*** the Nevada-Idaho state line. The East Fork of Jarbidge River is located in Elko County.

STANDARDS OF WATER QUALITY

Jarbidge River, East Fork

PARAMETER	REQUIREMENTS	WATER QUALITY	Beneficial Use [a]

	TO MAINTAIN EXISTING HIGHER QUALITY	STANDARDS FOR 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													
Temperature - °C ΔT [b] - °C	 ΔT = 0	S.V. May-Oct < 21 S.V. Nov-Apr < 7 ΔT < 1			*	X							
pH - SU	ΔpH ±0.5	S.V. 6.5 - 9.0			*	X		X					
Total Phosphorus (as P) - mg/l		S.V. ~~<~~ ≤ 0.1			*	*	X	X					
Nitrogen Species (as N) - mg/l	Nitrate S.V. ~~<~~ ≤ 1.0	Nitrate S.V. ~~<~~ ≤ 10 Nitrite S.V. ~~<~~ ≤ 0.06			*	X	X	*					
Total Ammonia (as N) - mg/l		[c]			*								
Dissolved Oxygen - mg/l		S.V. ~~>~~ ≥ 6.0	X		*	X	X	X		X			
Suspended Solids - mg/l		S.V. ~~<~~ ≤ 25			*			X					
Turbidity - NTU		S.V. ~~<~~ ≤ 10			*			X					
Total Dissolved Solids - mg/l	S.V. ~~<~~ ≤ 200	S.V. ~~<~~ ≤ 500	X	X				*					
Chlorides - mg/l	S.V. ~~<~~ ≤ 6.0	S.V. ~~<~~ ≤ 250	X	X				*		X			
Sulfate - mg/l		***S.V. ≤ 250***						*					
Alkalinity (as CO_3) - mg/l		< 25% change from natural conditions			*					X			
E coli - No./100 ml		AGM ≤ 126 S.V. ≤ 410				*	X						

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use [a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Fecal Coliform - No./100 ml	S.V. ~~[<]~~ ≤ 100	~~[< 200/400[d]]~~ ***S.V. ≤ 1,000***	*	~~[X]~~ *		~~[*]~~	X	X		~~[X]~~ *			
Color - PCU		~~[c]~~ ***S.V. ≤ 75***						*					

* = The most restrictive beneficial use.

X = Beneficial use.

[a] Refer to NAC 445A.122 and section 26 of this regulation 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 ambient water quality criteria for ammonia are specified in NAC 445A.118.

~~[[d] The annual geometric mean must not exceed 200 per 100 milliliters, nor may the number of fecal coliform in a single sample exceed 400 per 100 milliliters.~~

~~[e] Increase in color must not be more than 10 color units above natural conditions.]~~

Sec. 12. Section 32 of LCB File No. R160-06 is hereby amended to read as follows:

Sec. 32. The limits of this table apply to the body of water known as Jarbidge River ~~[for the control point upstream from Jarbidge at bridge.]~~ ***from its origin to the bridge above the town of Jarbidge.*** This segment of the Jarbidge River is located in Elko County.

STANDARDS OF WATER QUALITY

Jarbidge River, above Jarbidge

PARAMETER	REQUIREMENTS	WATER QUALITY	Beneficial Use [a]

	TO MAINTAIN EXISTING HIGHER QUALITY	STANDARDS FOR 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													
Temperature - °C ΔT [b] - °C	 ΔT = 0	S.V. May-Oct < 21 S.V. Nov-Apr < 7 ΔT < 1			*	X							
pH - SU	ΔpH ±0.5	S.V. 6.5 - 9.0			*	X		X					
Total Phosphorus (as P) - mg/l	S.V. ~~<~~ ≤ 0.05	S.V. ~~<~~ ≤ 0.1			*	*	X	X					
Nitrogen Species (as N) - mg/l	Nitrate S.V. ~~<~~ ≤ 1.0	Nitrate S.V. ~~<~~ ≤ 10 Nitrite S.V. ~~<~~ ≤ 0.06			*	X	X	*					
Total Ammonia (as N) - mg/l		[c]			*								
Dissolved Oxygen - mg/l		S.V. ~~>~~ ≥ 6.0	X		*	X	X	X		X			
Suspended Solids - mg/l		S.V. ~~<~~ ≤ 25			*			X					
Turbidity - NTU		S.V. ~~<~~ ≤ 10			*			X					
Total Dissolved Solids - mg/l	S.V. ~~<~~ ≤ 65	S.V. ~~<~~ ≤ 500	X	X				*					
Chlorides - mg/l	S.V. ~~<~~ ≤ 7.0	S.V. ~~<~~ ≤ 250	X	X				*		X			
Sulfate - mg/l		***S.V. ≤ 250***						*					
Alkalinity (as CO_3) - mg/l		< 25% change from natural conditions			*					X			
E coli - No./100 ml		AGM ≤ 126 S.V. ≤ 410				*	X						

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use [a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Fecal Coliform - No./100 ml	S.V. ~~[<]~~ ≤ 10	~~[< 200/400[d]]~~ ***S.V. ≤ 1,000***	*	~~[X]~~ *		~~[*]~~	X	X		~~[X]~~ *			
Color - PCU		~~[[e]]~~ ***S.V. ≤ 75***						*					

* = The most restrictive beneficial use.

X = Beneficial use.

[a] Refer to NAC 445A.122 and section 26 of this regulation 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 ambient water quality criteria for ammonia are specified in NAC 445A.118.

~~[[d] The annual geometric mean must not exceed 200 per 100 milliliters, nor may the number of fecal coliform in a single sample exceed 400 per 100 milliliters.~~

~~[e] Increase in color must not be more than 10 color units above natural conditions.]~~

Sec. 13. Section 33 of LCB File No. R160-06 is hereby amended to read as follows:

Sec. 33. The limits of this table apply to the body of water known as the Jarbidge River ~~[for the control point downstream from Jarbidge at bridge.]~~ ***from the bridge above the town of Jarbidge to the Nevada-Idaho state line.*** This segment of the Jarbidge River is located in Elko County.

STANDARDS OF WATER QUALITY

Jarbidge River, below Jarbidge

PARAMETER	REQUIREMENTS	WATER QUALITY	Beneficial Use [a]

	TO MAINTAIN EXISTING HIGHER QUALITY	STANDARDS FOR 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													
Temperature - °C ΔT [b] - °C	 ΔT = 0	S.V. May-Oct < 21 S.V. Nov-Apr < 7 ΔT < 1			*	X							
pH - SU	ΔpH ±0.5	S.V. 6.5 - 9.0			*	X		X					
Total Phosphorus (as P) - mg/l	S.V. ~~<~~ ≤ 0.05	S.V. ~~<~~ ≤ 0.1			*	*	X	X					
Nitrogen Species (as N) - mg/l	Nitrate S.V. ~~<~~ ≤ 1.0	Nitrate S.V. ~~<~~ ≤ 10 Nitrite S.V. ~~<~~ ≤ 0.06			*	X	X	*					
Total Ammonia (as N) - mg/l		[c]			*								
Dissolved Oxygen - mg/l		S.V. ~~>~~ ≥ 6.0	X		*	X	X	X		X			
Suspended Solids - mg/l		S.V. ~~<~~ ≤ 25			*			X					
Turbidity - NTU		S.V. ~~<~~ ≤ 10			*			X					
Total Dissolved Solids - mg/l	S.V. ~~<~~ ≤ 80	S.V. ~~<~~ ≤ 500	X	X				*					
Chlorides - mg/l	S.V. ~~<~~ ≤ 7.0	S.V. ~~<~~ ≤ 250	X	X				*		X			
Sulfate - mg/l		***S.V. ≤ 250***						**					
Alkalinity (as CO_3) - mg/l		< 25% change from natural conditions			*					X			
E coli - No./100 ml		AGM ≤ 126 S.V.≤ 410				*	X						

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use [a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Fecal Coliform - No./100 ml		~~[< 200/400 [d]]~~ ***S.V. ≤ 1,000***	*	~~[X]~~ *		~~[*]~~	X	X		~~[X]~~ *			
Color - PCU		~~[c]~~ ***S.V. ≤ 75***						*					

* = The most restrictive beneficial use.

X = Beneficial use.

[a] Refer to NAC 445A.122 and section 26 of this regulation 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 ambient water quality criteria for ammonia are specified in NAC 445A.118.

~~[[d] The annual geometric mean must not exceed 200 per 100 milliliters, nor may the number of fecal coliform in a single sample exceed 400 per 100 milliliters.~~

~~[e] Increase in color must not be more than 10 color units above natural conditions.]~~

Sec. 14. Section 34 of LCB File No. R160-06 is hereby amended to read as follows:

Sec. 34. The limits of this table apply to the body of water known as the ~~[West Fork]~~ Bruneau River ~~[for the control point at Diamond "A" Road.]~~ ***from its origin to the Nevada-Idaho state line.*** The ~~[West Fork]~~ Bruneau River is located in Elko County.

STANDARDS OF WATER QUALITY

~~[West Fork]~~ Bruneau River

PARAMETER	REQUIREMENTS	WATER QUALITY	Beneficial Use [a]

	TO MAINTAIN EXISTING HIGHER QUALITY	STANDARDS FOR 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													
Temperature - °C ΔT [b] - °C	 ΔT = 0	S.V. May-Oct < 21 S.V. Nov-Apr < 7 ΔT < 1			*	X							
pH - SU	ΔpH ±0.5	S.V. 6.5 - 9.0			*	X		X					
Total Phosphorus (as P) - mg/l		S.V. ~~[<]~~ ≤ 0.1			*	*	X	X					
Nitrogen Species (as N) - mg/l	Nitrate S.V. ~~[<]~~ ≤ 1.0	Nitrate S.V. ~~[<]~~ ≤ 10 Nitrite S.V. ~~[<]~~ ≤ 0.06			*	X	X	*					
Total Ammonia (as N) - mg/l		[c]			*								
Dissolved Oxygen - mg/l		S.V. ~~[>]~~ ≥ 6.0	X		*	X	X	X		X			
Suspended Solids - mg/l		S.V. ~~[<]~~ ≤ 25			*			X					
Turbidity - NTU		S.V. ~~[<]~~ ≤ 10			*			X					
Total Dissolved Solids - mg/l	S.V. ~~[<]~~ ≤ 180	S.V. ~~[<]~~ ≤ 500	X	X				*					
Chlorides - mg/l	S.V. ~~[<]~~ ≤ 7.0	S.V. ~~[<]~~ ≤ 250	X	X				*		X			
Sulfate - mg/l		***S.V. ≤ 250***						*					
Alkalinity (as CO_3) - mg/l		< 25% change from natural conditions			*					X			
E coli - No./100 ml		AGM ≤ 126 S.V. ≤ 410				*	X						
Fecal Coliform -	S.V. ~~[<]~~ ≤ 80	~~[< 200/400 [d]]~~	*	~~[X]~~		~~[*]~~	X	X		~~[X]~~			

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use [a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
No./100 ml		***S.V. ≤ 1,000***		*						*			
Color - PCU		~~[e]~~ ***S.V. ≤ 75***						*					

* = The most restrictive beneficial use.

X = Beneficial use.

[a] Refer to NAC 445A.122 and section 26 of this regulation 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 ambient water quality criteria for ammonia are specified in NAC 445A.118.

~~[[d] The annual geometric mean must not exceed 200 per 100 milliliters, nor may the number of fecal coliform in a single sample exceed 400 per 100 milliliters.~~

~~[e] Increase in color must not be more than 10 color units above natural conditions.]~~

Sec. 15. Section 35 of LCB File No. R160-06 is hereby amended to read as follows:

Sec. 35. The limits of this table apply to the body of water known as the ~~[East Fork of the]~~ Owyhee River ~~[above]~~ ***from Wildhorse Reservoir to its confluence with*** Mill Creek. This segment of the ~~[East Fork of the]~~ Owyhee River is located in Elko County.

STANDARDS OF WATER QUALITY

Owyhee River, ~~[East Fork]~~ above Mill Creek

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use [a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use [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	$\Delta T = 0$	S.V. May-Oct < 21 S.V. Nov-Apr < 7 $\Delta T < 1$			*	X							
pH - SU	ΔpH ±0.5	S.V. 6.5 - 9.0			*	X		X					
Total Phosphorus (as P) - mg/l		S.V. ~~<~~ ≤ 0.1			*	*	X	X					
Nitrogen Species (as N) - mg/l	Nitrate S.V. ~~<~~ ≤ 1.0	Nitrate S.V. ~~<~~ ≤ 10 Nitrite S.V. ~~<~~ ≤ 0.06			*	X	X	*					
Total Ammonia (as N) - mg/l		[c]			*								
Dissolved Oxygen - mg/l		S.V. ~~>~~ ≥ 6.0	X		*	X	X	X		X			
Suspended Solids - mg/l		S.V. ~~<~~ ≤ 25			*			X					
Turbidity - NTU		S.V. ~~<~~ ≤ 10			*			X					
Total Dissolved Solids - mg/l	S.V. ~~<~~ ≤ 200	S.V. ~~<~~ ≤ 500	X	X				*					
Chlorides - mg/l	S.V. ~~<~~ ≤ 8.0	S.V. ~~<~~ ≤ 250	X	X				*		X			
Sulfate - mg/l		***S.V. ≤ 250***						*					
Alkalinity (as CO_3) - mg/l		< 25% change from natural conditions			*					X			
E coli - No./100 ml		AGM ≤ 126 S.V. ≤ 410				*	X						

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use [a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Fecal Coliform - No./100 ml		~~[< 200/400 [d]]~~ ***S.V. ≤ 1,000***	*	~~[X]~~ *		~~[*]~~	X	X		~~[X]~~ *			
Color - PCU		~~[c]~~ ***S.V. ≤ 75***						*					

* = The most restrictive beneficial use.

X = Beneficial use.

[a] Refer to NAC 445A.122 and section 26 of this regulation 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 ambient water quality criteria for ammonia are specified in NAC 445A.118.

~~[[d] The annual geometric mean must not exceed 200 per 100 milliliters, nor may the number of fecal coliform in a single sample exceed 400 per 100 milliliters.~~

~~[e] Increase in color must not be more than 10 color units above natural conditions.]~~

Sec. 16. Section 36 of LCB File No. R160-06 is hereby amended to read as follows:

Sec. 36. The limits of this table apply to the body of water known as the ~~[East Fork of the]~~ Owyhee River ~~[at New China Dam.]~~ ***from its confluence with Mill Creek to the border of the Duck Valley Indian Reservation.*** This segment of the ~~[East Fork of the]~~ Owyhee River is located in Elko County.

STANDARDS OF WATER QUALITY

Owyhee River, ~~[East Fork at New China Dam]~~ ***below Mill Creek***

PARAMETER	REQUIREMENTS	WATER QUALITY	Beneficial Use [a]

	TO MAINTAIN EXISTING HIGHER QUALITY	STANDARDS FOR 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													
Temperature - °C ΔT [b] - °C	ΔT = 0	S.V. May-Oct < 21 S.V. Nov-Apr < 7 ΔT < 1			*	X							
pH - SU	ΔpH ±0.5	S.V. 6.5 - 9.0			*	X		X					
Total Phosphorus (as P) - mg/l		S.V. ~~[<]~~ ≤ 0.1			*	*	X	X					
Nitrogen Species (as N) - mg/l	Nitrate S.V. ~~[<]~~ ≤ 1.0	Nitrate S.V. ~~[<]~~ ≤ 10 Nitrite S.V. ~~[<]~~ ≤ 0.06			*	X	X	*					
Total Ammonia (as N) - mg/l		[c]			*								
Dissolved Oxygen - mg/l		S.V. ~~[>]~~ ≥ 6.0	X		*	X	X	X		X			
Suspended Solids - mg/l		S.V. ~~[<]~~ ≤ 25			*			X					
Turbidity - NTU		S.V. ~~[<]~~ ≤ 10			*			X					
Total Dissolved Solids - mg/l	S.V. ~~[<]~~ ≤ 250	S.V. ~~[<]~~ ≤ 500	X	X				*					
Chlorides - mg/l	S.V. ~~[<]~~ ≤ 8.0	S.V. ~~[<]~~ ≤ 250	X	X				*		X			[
Sulfate - mg/l		***S.V. ≤ 250***						*					
Alkalinity (as CO_3) - mg/l		< 25% change from natural conditions			*					X			
E coli - No./100 ml		AGM ≤ 126 S.V. ≤ 410				*	X						

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use [a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Fecal Coliform - No./100 ml	S.V. ≤ 125	~~[< 200/400[d]]~~ ***S.V. ≤ 1,000***	*	~~[X]~~ *		~~[*]~~	X	X		~~[X]~~ *			
Color - PCU		~~[[e]]~~ ***S.V. ≤ 75***						*					

* = The most restrictive beneficial use.

X = Beneficial use.

[a] Refer to NAC 445A.122 and section 26 of this regulation 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 ambient water quality criteria for ammonia are specified in NAC 445A.118.

~~[[d] The annual geometric mean must not exceed 200 per 100 milliliters, nor may the number of fecal coliform in a single sample exceed 400 per 100 milliliters.~~

~~[e] Increase in color must not be more than 10 color units above natural conditions.]~~

Sec. 17. Section 38 of LCB File No. R160-06 is hereby amended to read as follows:

Sec. 38. The limits of this table apply to the body of water known as the South Fork of the Owyhee River ~~[at Petan Access Road.]~~ ***from its origin to the Nevada-Idaho state line.***

The South Fork of the Owyhee River is located in Elko County.

STANDARDS OF WATER QUALITY

Owyhee River, South Fork ~~[at Petan Access Road]~~

PARAMETER	REQUIREMENTS	WATER QUALITY	Beneficial Use [a]

	TO MAINTAIN EXISTING HIGHER QUALITY	STANDARDS FOR 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													
Temperature - °C ΔT [b] - °C	 ΔT = 0	S.V. May-Oct < 21 S.V. Nov-Apr < 13 ΔT < 1			*	X							
pH - SU	ΔpH ±0.5	S.V. 6.5 - 9.0			*	X		X					
Total Phosphorus (as P) - mg/l		S.V. ~~[<]~~ ≤ 0.1			*	*	X	X					
Nitrogen Species (as N) - mg/l	Nitrate S.V. ~~[<]~~ ≤ 1.0	Nitrate S.V. ~~[<]~~ ≤ 10 Nitrite S.V. ~~[<]~~ ≤ 0.06			*	X	X	*					
Total Ammonia (as N) - mg/l		[c]			*								
Dissolved Oxygen - mg/l		S.V. ~~[>]~~ ≥ 6.0	X		*	X	X	X		X			
Suspended Solids - mg/l		S.V. ~~[<]~~ ≤ 25			*			X					
Turbidity - NTU		S.V. ~~[<]~~ ≤ 10			*			X					
Total Dissolved Solids - mg/l	S.V. ~~[<]~~ ≤ 280	S.V. ~~[<]~~ ≤ 500	X	X				*					
Chlorides - mg/l	S.V. ~~[<]~~ ≤ 15.0	S.V. ~~[<]~~ ≤ 250	X	X				*		X			
Sulfates - mg/l		***S.V. ≤ 250***						*					
Alkalinity (as CO3) - mg/l		< 25% change from natural conditions			*					X			
E coli - No./100 ml		AGM ≤ 126 S.V. ≤ 410				*	X						
Fecal Coliform -		~~[< 200/400 [d]]~~	*	~~[X]~~		~~[*]~~	X	X		~~[X]~~			

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use [a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
No./100 ml		***S.V. ≤ 1,000***		*						*			
Color - PCU		~~[[e]~~ ***S.V. ≤ 75***						*					

* = The most restrictive beneficial use.

X = Beneficial use.

[a] Refer to NAC 445A.122 and section 26 of this regulation 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 ambient water quality criteria for ammonia are specified in NAC 445A.118.

~~[[d] The annual geometric mean must not exceed 200 per 100 milliliters, nor may the number of fecal coliform in a single sample exceed 400 per 100 milliliters.~~

~~[e] Increase in color must not be more than 10 color units above natural conditions.]~~

Sec. 18. Section 37 of LCB File No. R160-06 is hereby repealed.

TEXT OF REPEALED SECTION

Section 37 of LCB File No. R160-06:

Sec. 37. The limits of this table apply to the body of water known as the East Fork of the Owyhee River at the Nevada-Idaho state line. This segment of the East Fork of the Owyhee River is located in Elko County.

STANDARDS OF WATER QUALITY

Owyhee River, East Fork at the state line

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use [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	 ΔT = 0	S.V. May-Oct < 21 S.V. Nov-Apr < 7 ΔT < 1			*	X							
pH - SU	ΔpH ±0.5	S.V. 6.5 - 9.0			*	X		X					
Total Phosphorus (as P) - mg/l		S.V. < 0.1			*	*	X	X					
Nitrogen Species (as N) - mg/l	Nitrate S.V. < 1.0	Nitrate S.V. < 10 Nitrite S.V. < 0.06 Ammonia (unionized) S.V. < 0.02			*	X	X	*					
Dissolved Oxygen - mg/l		S.V. > 6.0	X		*	X	X	X		X			
Suspended Solids - mg/l		S.V. < 25			*			X					
Turbidity - NTU		S.V. < 10			*			X					
Total Dissolved Solids - mg/l	S.V. < 240	S.V. < 500	X	X				*					
Chlorides – mg/l	S.V. < 11.0	S.V. < 250	X	X				*		X			

PARAMETER	REQUIREMENTS TO MAINTAIN EXISTING HIGHER QUALITY	WATER QUALITY STANDARDS FOR BENEFICIAL USES	Beneficial Use [a]										
			Livestock	Irrigation	Aquatic	Contact	Noncontact	Municipal	Industrial	Wildlife	Aesthetic	Enhance	Marsh
Alkalinity (as CO3) - mg/l		< 25% change from natural conditions			*					X			
Fecal Coliform - No./100 ml		< 200/400 [c]		X		*	X	X		X			
Color - PCU		[d]						*					

* = The most restrictive beneficial use.

X = Beneficial use.

[a] Refer to NAC 445A.122 and section 26 of this regulation 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 annual geometric mean must not exceed 200 per 100 milliliters, nor may the number of fecal coliform in a single sample exceed 400 per 100 milliliters.

[d] Increase in color must not be more than 10 color units above natural conditions.

Permanent Regulation - Filing Statement

Nevada Division of Environmental Protection
Bureaus of Water Quality Planning

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

State Environmental Commission (SEC)
LCB File No. R133-10
SEC # P2010-10

R133-10: Proposed Changes to Select Water Quality Standards for Nevada Waters in the Snake River Drainage Basin: The Nevada Division of Environmental Protection (NDEP) has completed a review of the water quality standards for the Nevada waterbodies in the Snake River Drainage Basin. These waters are located in Northern Elko County and consist of the following: South Fork Owyhee River; Owyhee River; Bruneau River; Jarbidge River; East Fork Jarbidge River; Salmon Falls Creek; Shoshone Creek; and Goose Creek.

Revisions to select water quality standards were adopted by the State Environmental Commission on October 5th 2010. The adopted revisions are based on U.S. EPA recommended criteria, maintaining consistency with standards for other Nevada waterbodies, and other recommendations and information.

The water quality standards for the above mentioned waterbodies are contained in the Nevada Administrative Code (NAC) 445A.214 - 225 (445A.1332-1362). NDEP also proposed and the SEC adopted four new tributary creeks located in the Snake River Drainage system to the Nevada water quality regulations.

1. 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.

This draft regulation is the result of many meetings and conversations with stakeholders prior to the public workshop. In the spring of 2010, the NDEP held three public workshops on the above referenced regulation on May 13, May 20 and May 21 respectively. The workshops were held in Carson City, Ely and Elko Nevada. All support documentation for this regulation is available on the SEC web site at **http://www.sec.nv.gov/main/hearing_1010.htm** see agenda item #8.

Following the workshop, the State Environmental Commission (SEC) held a regulatory hearing on October 5th 2010. The hearing was held as a video conference in Carson City and Las Vegas. The hearing location in Carson City was the Bryan Building, 901 South Stewart Street (2nd floor, Tahoe Room). In Las Vegas the hearing was held at the Nevada Division of Environmental Protection, 2030 E. Flamingo Rd. Suite 230.

A public notice and agenda for the SEC regulatory hearing was posted at the meeting location, at the State Library in Carson City, and at the Offices of the Division of Environmental Protection

in Carson City and Las Vegas. Copies of the agenda, the public notice, and the proposed permanent regulation were also made available to all public libraries throughout the state as well as to individuals on the SEC electronic and ground-based mailing lists.

The public notice was also published in the Las Vegas Review Journal and Reno Gazette Journal newspapers once a week for three consecutive weeks prior to the above referenced SEC regulatory hearing. Other information about the regulation was also made available on the SEC website at: **http://www.sec.nv.gov/main/hearing_1010.htm**

2. The number persons who attended the SEC Regulatory Hearing:

(a) Attended October 05, 2010 hearing; 20 (approx.)
(b) Testified on this Petition at the hearing: 1 (1 NDEP)
(c) Submitted to the agency written comments: 0

3. 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.

This regulation does not directly impact any businesses.

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

Non substantive changes to the proposed regulation were requested at the Hearing; the SEC adopted the regulation with some minor changes. The revised regulation is being submitted to the Legislative Counsel Bureau with this information statement.

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

The regulation does not regulate any business. There is no economic impact from the amendments on regulated fleets.

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

There will be no additional cost to the Division of Environmental Protection for enforcement of the amendment.

7. 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.

This regulation does not duplicate any other federal, state or local regulation.

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

The regulation is not more stringent than any federal regulation or guidance.

9. 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.

No fees are generated by this regulation.