

# Petition R133-10

## Waters In The Snake River Basin

NAC 445A.214 through NAC 445A.225

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# Snake River Basin

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## Major Bodies of Water

- ◆ South Fork Owyhee River
- ◆ Owyhee River
- ◆ Bruneau River
- ◆ Jarbidge River
- ◆ East Fork Jarbidge River
- ◆ Salmon Falls Creek
- ◆ Shoshone Creek
- ◆ Goose Creek

# Proposed New Waters

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- ◆ Taylor Canyon Creek
- ◆ Trout Creek at Goose Creek
- ◆ Trout Creek at Salmon Falls Creek
- ◆ Jack Creek at Jarbidge River

Sections 2-5 of Petition R133-10

# New Waters Beneficial Uses

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- ◆ Watering of Livestock
- ◆ Irrigation
- ◆ Aquatic Life - coldwater
- ◆ Contact Recreation
- ◆ Non-contact Recreation
- ◆ Propagation of Wildlife
- ◆ Municipal or Domestic Supply and
- ◆ Industrial Supply

# New Waters Criteria

Temperature (°C)	(waterbody specific)
pH (SU)	S.V. 6.5 – 9.0
Dissolved Oxygen (mg/L)	S.V. $\geq$ 6.0
Total Phosphorous as P (mg/L)	S.V. $\leq$ 0.1 <sup>b</sup> (Nutrient Narrative footnote)
Nitrogen Species as N (mg/L)	
Nitrite	S.V. $\leq$ 0.6
Nitrate	S.V. $\leq$ 10
Total Nitrogen	<sup>b</sup> (Nutrient Narrative footnote)
Total Ammonia (mg/L)	Specified in NAC 445A.118

# New Waters Criteria - continued

Turbidity (NTU)	S.V. $\leq$ 10
Total Dissolved Solids (mg/L)	S.V. $\leq$ 500
Suspended Solids (mg/l)	S.V. $\leq$ 25
Chlorides (mg/L)	S.V. $\leq$ 250
Sulfate (mg/L)	S.V. $\leq$ 250
Fecal Coliform (No./100 mL)	S.V. $\leq$ 1,000
E. Coli (No./100 mL)	S.V. $\leq$ 410 A.G.M. $\leq$ 126
Color (PCU)	$\leq$ 75

# Revisions to Snake Basin Waters currently in NAC

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- NAC 445A.214 through NAC 445A.225
- Define the reach or segment that water quality standards apply to
  - ◆ Regulations currently only have monitoring control point designations
  - ◆ USGS nomenclature for identifying rivers and creeks

# Revisions to Snake Basin Waters currently in NAC - continued

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- Add sulfate  $\leq 250$  mg/l (municipal and domestic supply)
- Revise fecal coliform bacteria to S.V.  $\leq 1000$  per 100ml (irrigation and livestock, propagation of wildlife)
- Replace narrative color standard with numerical value of  $\leq 75$  color units (municipal and domestic)
- Change  $<$  to  $\leq$  (D.O.  $>$  to  $\geq$ )

Sections 7-17 of Petition R133-10



# Duck Valley Indian Reservation Lands

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- Remove water quality standards for Owyhee River on Duck Valley Indian Reservation - Duck Valley Shoshone-Paiute Tribe
  - ◆ Adjust Owyhee River reach that extends on to Reservation Lands to read “from its confluence with Mill Creek to the border of the Duck Valley Indian Reservation (NAC 445A.223)
  - ◆ Remove the water quality standards regulations for the Owyhee River at the state line (NAC 445A.224)

Section 18 of Petition R133-10

# Corrections to Petition R133-10

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## Section 11 - Jarbidge River East Fork

### ■ Nitrate and Nitrite

< should be  $\leq$

## Section 12 - Jarbidge River Above Jarbidge

### ■ Fecal Coliform

< should be  $\leq$

## Section 15 - Bruneau River

### ■ Fecal Coliform

Should have **RMHQ of S.V.  $\leq$  80** (Removed inadvertently)

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Questions on Petition R133-10?