REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS Clear Creek Basin

15 Mainstem							
COSPCL15	Classifications	reet in Wheat Ridge, Colorado, to the Physical an		ic codiii i ia	1	Metals (ug/L)	
Designation	Agriculture	,	DM	MWAT		acute	chronic
Reviewable	Aq Life Warm 1	Temperature °C	WS-II	WS-II	Arsenic	340	
	Recreation E	'	acute	chronic	Arsenic(T)		0.02
	Water Supply	D.O. (mg/L)		5.0	Cadmium	TVS	TVS
Qualifiers:		pH	6.5 - 9.0		Cadmium(T)	5.0	
Other:		chlorophyll a (mg/m²)		TVS	Chromium III		TVS
		E. coli (per 100 mL)		126	Chromium III(T)	50	
Temporary Modification(s): Arsenic(chronic) = hybrid		Inorgani	c (mg/L)		Chromium VI	TVS	TVS
Expiration Date of 12/31/2024			acute	chronic	Copper	TVS	TVS
		Ammonia	TVS	TVS	Iron		WS
*Uranium(acute) = See 38.5(3) for details. *Uranium(chronic) = See 38.5(3) for details.		Boron		0.75	Iron(T)		1000
		Chloride		250	Lead	TVS	TVS
		Chlorine	0.019	0.011	Lead(T)	50	
		Cyanide	0.005		Manganese	TVS	TVS/WS
		Nitrate	10		Mercury(T)		0.01
		Nitrite		0.5	Molybdenum(T)		150
		Phosphorus			Nickel	TVS	TVS
		Sulfate		WS	Nickel(T)		100
		Sulfide		0.002	Selenium	TVS	TVS
					Silver	TVS	TVS
							*
					Uranium	varies*	varies*
					Uranium Zinc	varies*	TVS
16a. Mainsten	n of Lena Gulch including all tributa	aries and wetlands from its source to	the inlet of Maple C	Grove Reser	Zinc		
	n of Lena Gulch including all tributa	aries and wetlands from its source to	•	Grove Reser	Zinc voir.		
COSPCL16A Designation	Classifications Water Supply		•	Grove Reser	Zinc voir.	TVS	
COSPCL16A	Classifications Water Supply Agriculture		d Biological		Zinc voir.	TVS	TVS chronic
COSPCL16A Designation	Classifications Water Supply Agriculture Aq Life Warm 2	Physical an	d Biological	MWAT	Zinc voir.	TVS Metals (ug/L) acute	TVS
COSPCL16A Designation UP	Classifications Water Supply Agriculture	Physical an	d Biological DM WS-II	MWAT WS-II	Zinc voir. Arsenic	TVS Metals (ug/L) acute 340	TVS chronic
COSPCL16A Designation	Classifications Water Supply Agriculture Aq Life Warm 2	Physical an Temperature °C D.O. (mg/L) pH	d Biological DM WS-II acute	MWAT WS-II chronic	Zinc voir. Arsenic Arsenic(T)	TVS Metals (ug/L) acute 340	chronic 0.02-10 A
COSPCL16A Designation UP	Classifications Water Supply Agriculture Aq Life Warm 2	Physical an Temperature °C D.O. (mg/L)	d Biological DM WS-II acute	MWAT WS-II chronic 5.0	Zinc voir. Arsenic Arsenic(T) Cadmium Cadmium(T) Chromium III	TVS Metals (ug/L) acute 340 TVS	chronic 0.02-10 A TVS
COSPCL16A Designation UP Qualifiers: Other:	Classifications Water Supply Agriculture Aq Life Warm 2 Recreation E	Physical an Temperature °C D.O. (mg/L) pH	DM WS-II acute 6.5 - 9.0	MWAT WS-II chronic 5.0	Zinc voir. Arsenic Arsenic(T) Cadmium Cadmium(T)	TVS Metals (ug/L) acute 340 TVS 5.0	chronic 0.02-10 A TVS
COSPCL16A Designation UP Qualifiers: Other: *Uranium(acut	Classifications Water Supply Agriculture Aq Life Warm 2 Recreation E	Physical an Temperature °C D.O. (mg/L) pH chlorophyll a (mg/m²)	DM WS-II acute 6.5 - 9.0	MWAT WS-II chronic 5.0 TVS	Zinc voir. Arsenic Arsenic(T) Cadmium Cadmium(T) Chromium III Chromium III(T) Chromium VI	TVS Metals (ug/L) acute 340 TVS 5.0	chronic 0.02-10 A TVS TVS
COSPCL16A Designation UP Qualifiers: Other: *Uranium(acut	Classifications Water Supply Agriculture Aq Life Warm 2 Recreation E	Physical an Temperature °C D.O. (mg/L) pH chlorophyll a (mg/m²) E. coli (per 100 mL)	DM WS-II acute 6.5 - 9.0	MWAT WS-II chronic 5.0 TVS	Zinc voir. Arsenic Arsenic(T) Cadmium Cadmium(T) Chromium III Chromium III(T)	TVS Metals (ug/L) acute 340 TVS 5.0 50	TVS chronic 0.02-10 A TVS TVS TVS TVS
COSPCL16A Designation UP Qualifiers: Other: *Uranium(acut	Classifications Water Supply Agriculture Aq Life Warm 2 Recreation E	Physical an Temperature °C D.O. (mg/L) pH chlorophyll a (mg/m²) E. coli (per 100 mL)	d Biological DM WS-II acute 6.5 - 9.0 c (mg/L)	MWAT WS-II chronic 5.0 TVS 126	Zinc voir. Arsenic Arsenic(T) Cadmium Cadmium(T) Chromium III Chromium III(T) Chromium VI	TVS Metals (ug/L) acute 340 TVS 5.0 50 TVS	TVS chronic 0.02-10 A TVS TVS TVS
COSPCL16A Designation UP Qualifiers: Other: *Uranium(acut	Classifications Water Supply Agriculture Aq Life Warm 2 Recreation E	Physical an Temperature °C D.O. (mg/L) pH chlorophyll a (mg/m²) E. coli (per 100 mL) Inorgani	d Biological DM WS-II acute 6.5 - 9.0 c (mg/L) acute	MWAT WS-II chronic 5.0 TVS 126 chronic	Zinc voir. Arsenic Arsenic(T) Cadmium Cadmium(T) Chromium III Chromium III(T) Chromium VI Copper	TVS Metals (ug/L) acute 340 TVS 5.0 50 TVS TVS	TVS chronic 0.02-10 A TVS TVS TVS TVS
COSPCL16A Designation UP Qualifiers: Other: *Uranium(acut	Classifications Water Supply Agriculture Aq Life Warm 2 Recreation E	Physical an Temperature °C D.O. (mg/L) pH chlorophyll a (mg/m²) E. coli (per 100 mL) Inorgani Ammonia	d Biological DM WS-II acute 6.5 - 9.0 c (mg/L) acute TVS	MWAT WS-II chronic 5.0 TVS 126 chronic	Zinc voir. Arsenic Arsenic(T) Cadmium Cadmium(T) Chromium III Chromium III(T) Chromium VI Copper Iron	TVS Metals (ug/L) acute 340 TVS 5.0 50 TVS TVS TVS	TVS chronic 0.02-10 A TVS TVS TVS TVS WS
COSPCL16A Designation UP Qualifiers: Other: *Uranium(acut	Classifications Water Supply Agriculture Aq Life Warm 2 Recreation E	Physical an Temperature °C D.O. (mg/L) pH chlorophyll a (mg/m²) E. coli (per 100 mL) Inorgani Ammonia Boron	d Biological DM WS-II acute 6.5 - 9.0 c (mg/L) acute TVS	MWAT WS-II chronic 5.0 TVS 126 chronic TVS 0.75	Zinc voir. Arsenic Arsenic(T) Cadmium Cadmium(T) Chromium III Chromium III(T) Chromium VI Copper Iron Iron(T)	TVS Metals (ug/L) acute 340 TVS 5.0 50 TVS TVS	TVS chronic 0.02-10 A TVS TVS TVS TVS WS 1000
COSPCL16A Designation UP Qualifiers: Other: *Uranium(acut	Classifications Water Supply Agriculture Aq Life Warm 2 Recreation E	Physical an Temperature °C D.O. (mg/L) pH chlorophyll a (mg/m²) E. coli (per 100 mL) Inorgani Ammonia Boron Chloride	d Biological DM WS-II acute 6.5 - 9.0 c (mg/L) acute TVS	MWAT WS-II chronic 5.0 TVS 126 chronic TVS 250	Zinc voir. Arsenic Arsenic(T) Cadmium Cadmium(T) Chromium III Chromium IVI Copper Iron Iron(T) Lead	TVS Metals (ug/L) acute 340 TVS 5.0 50 TVS TVS TVS TVS	TVS chronic 0.02-10 A TVS TVS TVS WS 1000 TVS
COSPCL16A Designation UP Qualifiers: Other: *Uranium(acut	Classifications Water Supply Agriculture Aq Life Warm 2 Recreation E	Physical an Temperature °C D.O. (mg/L) pH chlorophyll a (mg/m²) E. coli (per 100 mL) Inorgani Ammonia Boron Chloride Chlorine	d Biological DM WS-II acute 6.5 - 9.0 c (mg/L) acute TVS 0.019	MWAT WS-II chronic 5.0 TVS 126 chronic TVS 0.75 250 0.011	Zinc voir. Arsenic Arsenic(T) Cadmium Cadmium(T) Chromium III Chromium III(T) Chromium VI Copper Iron Iron(T) Lead Lead(T)	TVS Metals (ug/L) acute 340 TVS 5.0 50 TVS TVS TVS TVS 50	TVS chronic 0.02-10 A TVS TVS TVS WS 1000 TVS
COSPCL16A Designation UP Qualifiers: Other: *Uranium(acut	Classifications Water Supply Agriculture Aq Life Warm 2 Recreation E	Physical an Temperature °C D.O. (mg/L) pH chlorophyll a (mg/m²) E. coli (per 100 mL) Inorgani Ammonia Boron Chloride Chlorine Cyanide	d Biological DM WS-II acute 6.5 - 9.0 c (mg/L) acute TVS 0.019 0.005	MWAT WS-II chronic 5.0 TVS 126 chronic TVS 0.75 250 0.011	Zinc voir. Arsenic Arsenic(T) Cadmium Cadmium(T) Chromium III Chromium VI Copper Iron Iron(T) Lead Lead(T) Manganese	TVS Metals (ug/L) acute 340 TVS 5.0 50 TVS TVS TVS 50 TVS TVS 50 TVS TVS TVS	TVS chronic 0.02-10 A TVS TVS TVS TVS WS 1000 TVS TVS/WS
COSPCL16A Designation UP Qualifiers: Other: *Uranium(acut	Classifications Water Supply Agriculture Aq Life Warm 2 Recreation E	Physical an Temperature °C D.O. (mg/L) pH chlorophyll a (mg/m²) E. coli (per 100 mL) Inorgani Ammonia Boron Chloride Chlorine Cyanide Nitrate	d Biological DM WS-II acute 6.5 - 9.0 c (mg/L) acute TVS 0.019 0.005 10	MWAT WS-II chronic 5.0 TVS 126 chronic TVS 0.75 250 0.011	Zinc voir. Arsenic Arsenic(T) Cadmium Cadmium(T) Chromium III Chromium VI Copper Iron Iron(T) Lead Lead(T) Manganese Mercury(T)	TVS Metals (ug/L) acute 340 TVS 5.0 50 TVS TVS TVS 50 TVS TVS 50 TVS	TVS chronic 0.02-10 A TVS TVS TVS WS 1000 TVS TVS/WS 0.01
COSPCL16A Designation UP Qualifiers: Other: *Uranium(acut	Classifications Water Supply Agriculture Aq Life Warm 2 Recreation E	Physical an Temperature °C D.O. (mg/L) pH chlorophyll a (mg/m²) E. coli (per 100 mL) Inorgani Ammonia Boron Chloride Chlorine Cyanide Nitrate Nitrite	d Biological DM WS-II acute 6.5 - 9.0 c (mg/L) acute TVS 0.019 0.005 10	MWAT WS-II chronic 5.0 TVS 126 chronic TVS 0.75 250 0.011 0.05	Zinc voir. Arsenic Arsenic(T) Cadmium Cadmium(T) Chromium III Chromium VI Copper Iron Iron(T) Lead Lead(T) Manganese Mercury(T) Molybdenum(T)	TVS Metals (ug/L) acute 340 TVS 5.0 50 TVS TVS TVS 50 TVS TVS 50 TVS TVS TVS	TVS chronic 0.02-10 A TVS TVS TVS TVS WS 1000 TVS TVS/WS 0.01 150
COSPCL16A Designation UP Qualifiers: Other: *Uranium(acut	Classifications Water Supply Agriculture Aq Life Warm 2 Recreation E	Physical an Temperature °C D.O. (mg/L) pH chlorophyll a (mg/m²) E. coli (per 100 mL) Inorgani Ammonia Boron Chloride Chlorine Cyanide Nitrate Nitrite Phosphorus	d Biological DM WS-II acute 6.5 - 9.0 c (mg/L) acute TVS 0.019 0.005 10	MWAT WS-II chronic 5.0 TVS 126 chronic TVS 0.75 250 0.011 0.05 TVS	Zinc voir. Arsenic Arsenic(T) Cadmium Cadmium(T) Chromium III Chromium VI Copper Iron Iron(T) Lead Lead(T) Manganese Mercury(T) Molybdenum(T) Nickel	TVS Metals (ug/L) acute 340 TVS 5.0 50 TVS TVS TVS 50 TVS TVS TVS TVS TVS TVS TVS	TVS chronic 0.02-10 A TVS TVS TVS TVS WS 1000 TVS TVS/WS 0.01 150 TVS
COSPCL16A Designation UP Qualifiers: Other: *Uranium(acut	Classifications Water Supply Agriculture Aq Life Warm 2 Recreation E	Physical an Temperature °C D.O. (mg/L) pH chlorophyll a (mg/m²) E. coli (per 100 mL) Inorgani Ammonia Boron Chloride Chlorine Cyanide Nitrate Nitrite Phosphorus Sulfate	d Biological DM WS-II acute 6.5 - 9.0 c (mg/L) acute TVS 0.019 0.005 10	MWAT WS-II chronic 5.0 TVS 126 chronic TVS 0.75 250 0.011 0.05 TVS WS	Zinc voir. Arsenic Arsenic(T) Cadmium Cadmium(T) Chromium III Chromium VI Copper Iron Iron(T) Lead Lead(T) Manganese Mercury(T) Molybdenum(T) Nickel Nickel(T)	TVS Metals (ug/L) acute 340 TVS 5.0 50 TVS TVS TVS 50 TVS TVS 50 TVS TVS 50 TVS TVS TVS TVS TVS	TVS chronic 0.02-10 A TVS TVS TVS WS 1000 TVS TVS/WS 0.01 150 TVS 1000
COSPCL16A Designation UP Qualifiers: Other: *Uranium(acut	Classifications Water Supply Agriculture Aq Life Warm 2 Recreation E	Physical an Temperature °C D.O. (mg/L) pH chlorophyll a (mg/m²) E. coli (per 100 mL) Inorgani Ammonia Boron Chloride Chlorine Cyanide Nitrate Nitrite Phosphorus Sulfate	d Biological DM WS-II acute 6.5 - 9.0 c (mg/L) acute TVS 0.019 0.005 10	MWAT WS-II chronic 5.0 TVS 126 chronic TVS 0.75 250 0.011 0.05 TVS WS	Zinc voir. Arsenic Arsenic(T) Cadmium Cadmium(T) Chromium III Chromium VI Copper Iron Iron(T) Lead Lead(T) Manganese Mercury(T) Molybdenum(T) Nickel Nickel(T) Selenium	TVS Metals (ug/L) acute 340 TVS 5.0 50 TVS TVS TVS 50 TVS TVS TVS TVS TVS TVS	TVS chronic 0.02-10 A TVS TVS TVS TVS WS 1000 TVS TVS/WS 0.01 150 TVS 100 TVS

D.O. = dissolved oxygen