REGULATION #38 STREAM CLASSIFICATIONS and WATER QUALITY STANDARDS Middle South Platte River Basin

1a. Mainstem	of the bout if fatte raver from a point i	mmediately below the confluence	with Big Dry Cree	ek to the conf	luence with St. Vrain Cree	k.	
COSPMS01A Classifications		Physical and Biological		Metals (ug/L)			
Designation	Agriculture		DM	MWAT		acute	chronic
Reviewable	Aq Life Warm 1	Temperature °C	WS-I	WS-I	Arsenic	340	
	Recreation E		acute	chronic	Arsenic(T)		0.02
	Water Supply	D.O. (mg/L)	varies*	varies*	Cadmium	TVS	TVS
Qualifiers:		рН	6.5 - 9.0		Cadmium(T)	5.0	
Other:		chlorophyll a (mg/m ²)		TVS	Chromium III		TVS
Temporary Modification(s):		E. coli (per 100 mL)		126	Chromium III(T)	50	
Arsenic(chronic) = hybrid		Inorganic	: (mg/L)		Chromium VI	TVS	TVS
Expiration Date of 12/31/2024			acute	chronic	Copper	26.4*	
Ammonia(acute) = See section 38.6(4) for site-		Ammonia	TVS	TVS*	Copper		18.0*
specific standards. *Ammonia(chronic) = See section 38.6(4) for site- specific standards.		Boron		0.75	Iron		WS
		Chloride		250	Iron(T)		1000
*Copper(acute) = Copper BLM-based FMB		Chlorine	0.019	0.011	Lead	TVS	TVS
Cu FMB(ac)=26.4 ug/l *Copper(chronic) = Copper BLM-based FMB		Cyanide	0.005		Lead(T)	50	
Cu FMB(ch)=18.0 ug/l		Nitrate	10		Manganese	TVS	TVS/WS
*Uranium(acute) = See 38.5(3) for details.		Nitrite		0.5	Mercury(T)		0.01
*Uranium(chronic) = See 38.5(3) for details. *D.O. (mg/L)(acute) = See section 38.6(4) for site-		Phosphorus			Molybdenum(T)		150
specific standards.		Sulfate		WS	Nickel	TVS	TVS
*D.O. (mg/L)(chronic) = See section 38.6(4) for site- specific standards.		Sulfide		0.002	Nickel(T)		100
				0.002	Selenium	TVS	TVS
					Silver	TVS	TVS
					Uranium	varies*	varies*
					Zinc	TVS	TVS
1b. Mainstem	of the South Platte River from a point i	mmediately below the confluence	with St. Vrain Cre	eek to the We		-	-
COSPMS01B Classifications		Physical and Biological			Metals (ug/L)		
Designation	Agriculture		DM	MWAT		acute	chronic
	Aq Life Warm 1	Temperature °C	WS-I	WS-I	Arsenic	340	
	Recreation E		acute	chronic	Arsenic(T)		0.02
Qualifiers:		D.O. (mg/L)		5.0	Cadmium	TVS	TVS
Qualifiers:	Water Supply	D.O. (mg/L) pH	 6.5 - 9.0	5.0	Cadmium Cadmium(T)	TVS 5.0	TVS
Qualifiers: Other:	Water Supply						
Other:		рН	6.5 - 9.0		Cadmium(T)	5.0	
Other: Temporary Mo	odification(s):	pH chlorophyll a (mg/m²) E. coli (per 100 mL)	6.5 - 9.0 	TVS	Cadmium(T) Chromium III	5.0	 TVS
Other: Temporary Mo Arsenic(chroni	odification(s): c) = hybrid	pH chlorophyll a (mg/m²)	6.5 - 9.0 c (mg/L)	 TVS 126	Cadmium(T) Chromium III Chromium III(T) Chromium VI	5.0 50	 TVS
Other: Temporary Mo Arsenic(chroni Expiration Date	odification(s): c) = hybrid e of 12/31/2024	pH chlorophyll a (mg/m²) E. coli (per 100 mL) Inorganic	6.5 - 9.0 : (mg/L) acute	TVS 126 chronic	Cadmium(T) Chromium III Chromium III(T)	5.0 50 TVS	 TVS TVS
Other: Temporary Mo Arsenic(chroni Expiration Date *Uranium(acut	pdification(s): c) = hybrid e of 12/31/2024 e) = See 38.5(3) for details.	pH chlorophyll a (mg/m²) E. coli (per 100 mL) Inorganic Ammonia	6.5 - 9.0 c (mg/L)	TVS 126 chronic TVS	Cadmium(T) Chromium III Chromium III(T) Chromium VI Copper	5.0 50 TVS TVS	 TVS TVS TVS
Other: Temporary Mo Arsenic(chroni Expiration Date *Uranium(acut	odification(s): c) = hybrid e of 12/31/2024	pH chlorophyll a (mg/m²) E. coli (per 100 mL) Inorganic Ammonia Boron	6.5 - 9.0 c (mg/L) TVS	 TVS 126 Chronic TVS 0.75	Cadmium(T) Chromium III Chromium III(T) Chromium VI Copper Iron	5.0 50 TVS TVS 	TVS TVS TVS TVS WS
Other: Temporary Mo Arsenic(chroni Expiration Date *Uranium(acut	pdification(s): c) = hybrid e of 12/31/2024 e) = See 38.5(3) for details.	pH chlorophyll a (mg/m²) E. coli (per 100 mL) Inorganic Ammonia Boron Chloride	6.5 - 9.0 c (mg/L) acute TVS 	 TVS 126 chronic TVS 0.75 250	Cadmium(T) Chromium III Chromium III(T) Chromium VI Copper Iron Iron(T)	5.0 50 TVS TVS 	 TVS TVS TVS WS 1000
Other: Temporary Mo Arsenic(chroni Expiration Date *Uranium(acut	pdification(s): c) = hybrid e of 12/31/2024 e) = See 38.5(3) for details.	pH chlorophyll a (mg/m²) E. coli (per 100 mL) Inorganic Ammonia Boron Chloride Chlorine	6.5 - 9.0 c (mg/L) c (mg/L) T∨S 0.019	TVS 126 Chronic TVS 0.75 250 0.011	Cadmium(T) Chromium III Chromium III(T) Chromium VI Copper Iron Iron(T) Lead Lead(T)	5.0 50 TVS TVS TVS 50	 TVS TVS TVS WS 1000 TVS
Other: Temporary Mo Arsenic(chroni Expiration Date *Uranium(acut	pdification(s): c) = hybrid e of 12/31/2024 e) = See 38.5(3) for details.	pH chlorophyll a (mg/m²) E. coli (per 100 mL) Inorganic Ammonia Boron Chloride Chlorine Cyanide	6.5 - 9.0 c (mg/L) acute TVS 0.019 0.005	 TVS 126 chronic TVS 0.75 250	Cadmium(T) Chromium III Chromium III(T) Chromium VI Copper Iron Iron(T) Lead Lead(T) Manganese	5.0 50 TVS TVS TVS	 TVS TVS TVS 1000 TVS TVS/WS
Other: Temporary Mo Arsenic(chroni Expiration Date *Uranium(acut	pdification(s): c) = hybrid e of 12/31/2024 e) = See 38.5(3) for details.	pH chlorophyll a (mg/m ²) E. coli (per 100 mL) Inorganic Ammonia Boron Chloride Chlorine Cyanide Nitrate	6.5 - 9.0 c (mg/L) c (mg/L) TVS 0.019 0.005 10	 TVS 126 chronic TVS 0.75 250 0.011 	Cadmium(T) Chromium III Chromium III(T) Chromium VI Copper Iron Iron(T) Lead Lead(T) Manganese Mercury(T)	5.0 50 TVS TVS TVS 50 TVS	 TVS TVS TVS WS 1000 TVS TVS/WS 0.01
Other: Temporary Mo Arsenic(chroni Expiration Date *Uranium(acut	pdification(s): c) = hybrid e of 12/31/2024 e) = See 38.5(3) for details.	pH chlorophyll a (mg/m ²) E. coli (per 100 mL) Inorganic Ammonia Boron Chloride Chlorine Cyanide Nitrate Nitrite	6.5 - 9.0 2 (mg/L)	 TVS 126 chronic TVS 0.75 250 0.011 0.5	Cadmium(T) Chromium III Chromium III(T) Chromium VI Copper Iron Iron(T) Lead Lead(T) Manganese Mercury(T) Molybdenum(T)	5.0 50 TVS TVS TVS 50 TVS 	 TVS TVS TVS WS 1000 TVS TVSWS 0.01 150
Other: Temporary Mo Arsenic(chroni Expiration Date *Uranium(acut	pdification(s): c) = hybrid e of 12/31/2024 e) = See 38.5(3) for details.	pH chlorophyll a (mg/m ²) E. coli (per 100 mL) Inorganic Ammonia Boron Chloride Chlorine Cyanide Nitrate Nitrite Phosphorus	6.5 - 9.0 c (mg/L) CVS 0.019 0.005 10 10 	 TVS 126 chronic TVS 0.75 250 0.011 0.5	Cadmium(T) Chromium III Chromium III(T) Chromium VI Copper Iron Iron(T) Lead Lead(T) Manganese Mercury(T) Molybdenum(T) Nickel	5.0 50 TVS TVS TVS 50 TVS TVS	 TVS TVS TVS WS 1000 TVS TVS/WS 0.01 150 TVS
Other: Temporary Mo Arsenic(chroni Expiration Date *Uranium(acut	pdification(s): c) = hybrid e of 12/31/2024 e) = See 38.5(3) for details.	pH chlorophyll a (mg/m ²) E. coli (per 100 mL) Inorganic Ammonia Boron Chloride Chlorine Cyanide Nitrate Nitrate Phosphorus Sulfate	6.5 - 9.0 c (mg/L) c (mg/L) C C C C C C C C C C C C C C C C C C C	 TVS 126 Chronic TVS 0.75 250 0.011 0.5 0.5 WS	Cadmium(T) Chromium III Chromium III(T) Chromium VI Copper Iron Iron(T) Lead Lead(T) Manganese Mercury(T) Molybdenum(T) Nickel Nickel(T)	5.0 50 TVS TVS TVS 50 TVS TVS TVS	 TVS TVS TVS (WS) 1000 TVS (C) TVS (C) 100 TVS (C) 100
Other: Temporary Mo Arsenic(chroni Expiration Date *Uranium(acut	pdification(s): c) = hybrid e of 12/31/2024 e) = See 38.5(3) for details.	pH chlorophyll a (mg/m ²) E. coli (per 100 mL) Inorganic Ammonia Boron Chloride Chlorine Cyanide Nitrate Nitrite Phosphorus	6.5 - 9.0 c (mg/L) CVS 0.019 0.005 10 10 	 TVS 126 chronic TVS 0.75 250 0.011 0.5	Cadmium(T) Chromium III Chromium III(T) Chromium VI Copper Iron Iron(T) Lead Lead(T) Manganese Mercury(T) Molybdenum(T) Nickel Nickel(T) Selenium	5.0 50 TVS TVS TVS 50 TVS TVS TVS	 TVS TVS TVS WS 1000 TVS TVS/WS 0.01 150 TVS 100 TVS
Other: Temporary Mo Arsenic(chroni Expiration Date *Uranium(acut	pdification(s): c) = hybrid e of 12/31/2024 e) = See 38.5(3) for details.	pH chlorophyll a (mg/m ²) E. coli (per 100 mL) Inorganic Ammonia Boron Chloride Chlorine Cyanide Nitrate Nitrate Phosphorus Sulfate	6.5 - 9.0 c (mg/L) c (mg/L) C C C C C C C C C C C C C C C C C C C	 TVS 126 Chronic TVS 0.75 250 0.011 0.5 0.5 WS	Cadmium(T) Chromium III Chromium III(T) Chromium VI Copper Iron Iron(T) Lead Lead(T) Manganese Mercury(T) Molybdenum(T) Nickel Nickel(T) Selenium	5.0 50 TVS TVS TVS 50 TVS TVS TVS TVS TVS	 TVS TVS TVS WS 1000 TVS TVS/WS 0.01 150 TVS 100 TVS 100 TVS
Other: Temporary Mo Arsenic(chroni Expiration Date *Uranium(acut	pdification(s): c) = hybrid e of 12/31/2024 e) = See 38.5(3) for details.	pH chlorophyll a (mg/m ²) E. coli (per 100 mL) Inorganic Ammonia Boron Chloride Chlorine Cyanide Nitrate Nitrate Phosphorus Sulfate	6.5 - 9.0 c (mg/L) c (mg/L) C C C C C C C C C C C C C C C C C C C	 TVS 126 Chronic TVS 0.75 250 0.011 0.5 0.5 WS	Cadmium(T) Chromium III Chromium III(T) Chromium VI Copper Iron Iron(T) Lead Lead(T) Manganese Mercury(T) Molybdenum(T) Nickel Nickel(T) Selenium	5.0 50 TVS TVS TVS 50 TVS TVS TVS	 TVS TVS TVS WS 1000 TVS TVS/WS 0.01 150 TVS 100 TVS

D.O. = dissolved oxygen DM = daily maximum MWAT = maximum weekly average temperature See 38.6 for further details on applied standards.