

**ANNEX A**  
**MCWD WATER QUALITY STANDARDS**

**Mandatory Parameters**















































































	Maximum Allowable Level (MAL) (mg/Li)	Raw Water Source	Injection Point
1 Total Coliform	MTFT:<1.1 MPN/100 mL EST: Absent or <1 MPN/100 mL MFT: <1 total coliform colonies/100 mL		
2 Thermotolerant Coliform(E.Coli)	MTFT:<1.1 MPN/100 mL EST: Absent or <1 MPN/100 mL MFT: <1 thermotolerant coliform colonies/100 mL	-	
3 Heterotrophic Plate Count (HPC)	<500 CFU/mL		
4 Arsenic	0.01 mg/L		
5 Cadmium	0.003 mg/L		
6 Lead	0.01 mg/L		
7 Nitrate	50.00 mg/L		
8 Color, apparent	10 CU		
9 Turbidity	5 NTU		
10 pH	6.5-8.5		
11 Total Dissolved Solids	600 mg/L		
12 Disinfection Residual (Res Cl <sub>2</sub> )	1.0-1.5 mg/L	-	
13 Langelier Saturation Index (LSI) – for RO Water	plus/minus (±) 1.0	-	

**Primary Drinking Water Quality Parameters**

	Maximum Allowable Level (MAL) (mg/Li)	Raw Water Source	Injection Point
1 1,2-Dibromo-3-chloropropane (DBCP)	0.001 mg/L	-	
2 1,2-Dichlorobenzene	1.0 mg/L	-	
3 1,2-Dichloroethane	0.03 mg/L	-	
4 1,2-Dichloroethene	0.05 mg/L	-	
5 1,4-Dichlorobenzene	0.3 mg/L	-	
6 2,4,6-Trichlorophenol	0.2 mg/L	-	
7 Acrylamide	0.0005 mg/L	-	
8 Aldrin and Dieldrin	0.00003 mg/L	-	
9 Alpha Particles	0.5 Bq/L	-	
10 Atrazine	0.1 mg/L	-	
11 Antimony	0.02 mg/L	-	
12 Barium	0.7 mg/L	-	
13 Benzene	0.01 mg/L	-	
14 Benzo(a)pyrene (PAHS)	0.0007 mg/L	-	
15 Beta Particles	1.0 Bq/L	-	
16 Boron	2.0 mg/L	-	
17 Bromate	0.01 mg/L	-	

























10/12/22

**ANNEX A**  
**MCWD WATER QUALITY STANDARDS**







18	Bromodichloromethane (BDCM)	0.06 mg/L	-		
19	Bromoform	0.1 mg/L	-		
20	Carbon Tetrachloride	0.004 mg/L	-		
21	Carbofuran	0.007 mg/L	-		
22	Chlorate	0.7 mg/L	-		
23	Chlordane	0.002 mg/L	-		
24	Chlorite	0.7 mg/L	-		
25	Chloroform	0.3 mg/L	-		
26	Chromium (Total)	0.05 mg/L	-		
27	Cyanide(Total)	0.5 mg/L	-		
28	Di(2-ethylhexyl)phthalate	0.008 mg/L	-		
29	Dibromochloromethane	0.1 mg/L	-		
30	Dibromoacetonitrile	0.07 mg/L	-		
31	Dichloroacetate	0.05 mg/L	-		
32	Dichloroacetonitrile	0.02 mg/L	-		
33	Dichlorodiphenyltrichloroethane (DDT)	0.001 mg/L	-		
34	Dichloromethane	0.02 mg/L	-		
35	Endrin	0.0006mg/L	-		
36	Epichlorohydrin	0.0004 mg/L	-		
37	Ethylbenzene	0.3 mg/L	-		
38	Ethylene Dibromide	0.0004 mg/L	-		
39	Fluoride	1.5 mg/L	-		
40	Glyphosate	1.0 mg/L	-		
41	Lindane	0.002 mg/L	-		
42	Manganese	0.4 mg/L	-		
43	Mercury (Total)	0.001 mg/L	-		
44	Monochloroacetate	0.02 mg/L	-		
45	Nickel	0.07 mg/L	-		
46	Nitrite	50.0 mg/L	-		
47	Pendimethalin	0.02 mg/L	-		
48	Radon	11.0 Bq/L	-		
49	Sulfate	250 mg/L	-		
50	Selenium	0.04 mg/L	-		
51	Styrene	0.02 mg/L	-		
52	Tetrachloroethene	0.04 mg/L	-		
53	Trichloroacetate	0.2 mg/L	-		
54	Toluene	0.7 mg/L	-		
55	Total Trihalomethane	1.0 mg/L	-		
56	Vinyl Chloride	0.003 mg/L	-		

**ANNEX A**  
**MCWD WATER QUALITY STANDARDS**

**Secondary Drinking Water Quality Parameters**

	Maximum Allowable Level (MAL) (mg/Li)	Raw Water Source	Injection Point
1 Aluminum	0.2 mg/L		
2 Chloride	250 mg/L		
3 Copper	1.0 mg/L		
4 Hardness	300 mg/L		
5 Hydrogen Sulfide	0.05 mg/L		
6 Iron	1.0 mg/L		
7 Manganese	0.4 mg/L		
8 Odor	No objectionable Odor		
9 Sodium	200 mg/L		
10 Taste	No objectionable Taste		
11 Xylenes (Total)	0.5 mg/L		
12 Zinc	5.0 mg/L		

*LEGEND:*

-  - daily
-  - before start of the operation
-  - once a year
-  - annual for first 3 years / once every 3 years if the water shows undetectable levels (<MDL-method detection limit)
-  - start of operation / Once every 5 years if the water shows undetectable levels (<MDL-method detection limit)
-  - as needed upon request of MCWD

*\*Please refer to PNSDW 2017 for Method of Analysis*