

WATER QUALITY AND TREATMENT DIVISION
TABLE 5 - MILLER PLANT WATER QUALITY FY2024 (Jul 2023 - Jun 2024)
(mg/L, except as noted)

	FY 2024			PRIOR 5 YEARS		
	AVERAGE	MAXIMUM	MINIMUM	AVERAGE	MAXIMUM	MINIMUM
RAW WATER						
Turbidity (NTU)	32	231	2	40	304	3.2
Total Alkalinity (as CaCO ₃)	73	93	48	71	100	44
Total Hardness (as CaCO ₃)	124	150	79	115	160	78
Calcium (as Ca) ^a	37	41	32	33	44	23
Magnesium (as Mg) ^a	7	11	2	7	14	0.5
pH (Units)	7.8	8.6	7.5	7.8	8.3	7.4
Chloride	21	30	13	22	65	10
Fluoride ^b	0.14	0.21	0.08	0.13	0.26	0.07
Sulfate	50	64	28	50	94	28
Nitrate (as NO ₃ - N)	0.60	0.89	0.10	0.75	1.66	0.05
Iron (as total Fe)	3.6	3.6	3.6	1.2	2.3	0.3
Manganese (as total Mn)	0.14	0.60	0.02	0.14	0.68	0.02
Sodium	21	31	11	21	86	10
Total Suspended Solids ^c	40	272	2	212	502	4
Total Dissolved Solids	188	236	122	191	280	124
Total Organic Carbon	3.00	4.13	2.27	2.95	5.38	1.59
TREATED WATER						
Turbidity (NTU)	0.07	0.13	0.03	0.06	0.11	0.03
Total Alkalinity (as CaCO ₃)	80	114	55	78	117	50
Total Hardness (as CaCO ₃)	127	158	95	119	167	86
Calcium (as Ca) ^a	38	52	32	35	45	26
Magnesium (as Mg) ^a	7	11	4	8	12	2
pH (Units)	8.8	9.0	8.5	8.9	9.2	8.6
Chloride	24	32	13	22	42	10
Fluoride	0.83	0.96	0.73	0.85	1.10	0.65
Sulfate	57	72	38	57	89	42
Nitrate (as NO ₃ - N)	0.81	1.15	0.62	0.78	1.30	0.40
Iron (as total Fe)	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
Manganese (as total Mn)	0.010	0.010	<0.01	<0.01	<0.01	<0.01
Sodium	26	40	15	25	49	15
Total Solids ^d	213	266	156	205	304	134
Total Dissolved Solids	213	266	156	205	304	134
Total Organic Carbon	0.82	1.31	0.42	0.80	1.66	0.31
Phosphate (as PO ₄ - P)	0.21	0.25	0.16	0.18	0.35	0.08
Chlorine Residual, Free	1.33	1.71	1.01	1.30	1.66	0.98
Chlorine Residual, Total	1.40	1.82	1.08	1.36	1.76	1.02

(a) Calcium and Magnesium values are calculated from hardness data.

(b) Fluoride samples were collected from west seal well. It is assumed that fluoride levels were similar at raw and west seal well.

(c) The concentration of total solids at raw water is the sum of Total Suspended Solids and Total Dissolved Solids, these concentrations were not necessarily sampled on same day.

(d) The concentration of total solids at finished water is expected to be similar to that of TDS since turbidity level is very low for treated water (< 0.15 NTU).