

WATER QUALITY AND TREATMENT DIVISION
TABLE 6 - BOLTON PLANT WATER QUALITY FY2023 (Jul 2022 - Jun 2023)
(mg/L, except as noted)

	FY 2023			PRIOR 5 YEARS		
	AVERAGE	MAXIMUM	MINIMUM	AVERAGE	MAXIMUM	MINIMUM
RAW WATER						
Turbidity (NTU)	0.07	1.50	0.03	0.07	2.20	0.02
Total Alkalinity (as CaCO ₃)	212	232	196	215	241	117
Total Hardness (as CaCO ₃)	286	336	256	269	302	210
Calcium (as Ca) ^b	76	92	68	73	92	38
Magnesium (as Mg) ^b	23	27	18	21	49	11
pH (Units)	7.6	8.0	7.4	7.6	8.4	7.3
Chloride	65	65	65	50	61	38
Fluoride	0.29	0.36	0.24	0.28	0.35	0.20
Sulfate	48	48	48	44	53	39
Nitrate (as NO ₃ - N)	1.14	1.67	0.88	1.26	2.18	0.28
Iron (as total Fe)	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
Manganese (as total Mn)	0.08	0.28	0.03	0.06	0.33	0.01
Sodium	35	35	35	31	34	28
Total Solids	(a)	(a)	(a)	(d)	(d)	(d)
Total Dissolved Solids	(a)	(a)	(a)	314	314	314
Total Organic Carbon	0.62	0.74	0.50	0.71	1.26	0.46
TREATED WATER						
Turbidity (NTU)	0.08	0.71	0.03	0.08	2.90	0.02
Total Alkalinity (as CaCO ₃)	73	108	64	76	111	61
Total Hardness (as CaCO ₃)	142	163	122	133	174	113
Calcium (as Ca) ^b	20	33	16	22	46	10
Magnesium (as Mg) ^b	22	26	14	19	25	3
pH (Units)	9.2	9.6	8.9	9.2	9.7	8.6
Chloride	58	58	57	51	58	41
Fluoride	0.84	0.97	0.74	0.85	1.01	0.70
Sulfate	45	46	43	43	51	38
Nitrate (as NO ₃ - N)	1.37	1.37	< 0.10	1.38	1.79	1.08
Iron (as total Fe)	<0.04	<0.04	<0.04	<0.04	<0.04	<0.04
Manganese (as total Mn)	<0.01	<0.01	<0.01	<0.01	<0.01	<0.01
Sodium	32	37	28	31	35	27
Total Solids ^c	251	280	214	236	308	194
Total Dissolved Solids	251	280	214	236	308	194
Total Organic Carbon	0.53	0.61	0.41	0.58	0.87	0.37
Phosphate (as PO ₄ - P)	0.09	0.14	0.04	0.13	0.43	0.04
Chlorine Residual, Free	1.24	1.44	1.04	1.22	2.22	0.91
Chlorine Residual, Total	1.30	1.49	1.10	1.27	2.32	0.95

(a) Analyses not performed in FY2023.

(b) Calcium and magnesium values are calculated from hardness data

(c) 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).

(d) Analyses not performed in the prior 5 years.