

WATER QUALITY AND TREATMENT DIVISION
TABLE 6 - BOLTON 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)	0.06	0.30	0.02	0.07	2.20	0.02
Total Alkalinity (as CaCO ₃)	215	231	207	214	241	196
Total Hardness (as CaCO ₃)	285	334	260	272	336	210
Calcium (as Ca) ^b	75	81	70	73	92	38
Magnesium (as Mg) ^b	24	27	17	22	42	11
pH (Units)	7.5	8.1	7.4	7.6	8.2	7.3
Chloride	57	57	57	52	65	38
Fluoride	0.29	0.34	0.24	0.28	0.36	0.20
Sulfate	44	44	44	44	48	39
Nitrate (as NO ₃ - N)	1.18	1.43	0.89	1.19	2.10	0.28
Iron (as total Fe)	<0.04	0.04	<0.04	<0.04	<0.04	<0.04
Manganese (as total Mn)	0.04	0.17	<0.01	0.07	0.33	0.01
Sodium	(a)	(a)	(a)	31	35	28
Total Solids	(a)	(a)	(a)	(d)	(d)	(d)
Total Dissolved Solids	(a)	(a)	(a)	314	314	314
Total Organic Carbon	0.72	0.87	0.57	0.71	1.26	0.47
TREATED WATER						
Turbidity (NTU)	0.06	0.33	0.02	0.08	0.88	0.02
Total Alkalinity (as CaCO ₃)	76	101	67	75	108	61
Total Hardness (as CaCO ₃)	142	170	127	134	163	113
Calcium (as Ca) ^b	22	32	18	21	46	10
Magnesium (as Mg) ^b	21	25	14	19	26	3
pH (Units)	9.2	9.5	8.9	9.2	9.7	8.8
Chloride	58	58	57	51	58	41
Fluoride	0.85	0.93	0.68	0.85	1.01	0.71
Sulfate	44	45	42	43	46	38
Nitrate (as NO ₃ - N)	1.08	1.08	1.08	1.41	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	34	35	33	31	37	27
Total Solids ^c	249	286	224	236	292	194
Total Dissolved Solids	249	286	224	236	292	194
Total Organic Carbon	0.57	0.67	0.46	0.58	0.87	0.41
Phosphate (as PO ₄ - P)	0.12	0.15	0.09	0.12	0.43	0.04
Chlorine Residual, Free	1.20	1.45	0.91	1.23	2.22	0.91
Chlorine Residual, Total	1.27	1.57	0.98	1.28	2.32	0.95

(a) Analyses not performed in FY2024.

(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.