

WATER QUALITY AND TREATMENT DIVISION
TABLE 6 - BOLTON PLANT WATER QUALITY FY2026 (Jul 2025 - Jun 2026)
(mg/L, except as noted)

	FY 2026			PRIOR 5 YEARS		
	AVERAGE	MAXIMUM	MINIMUM	AVERAGE	MAXIMUM	MINIMUM
RAW WATER						
Turbidity (NTU)	0.06	1.00	0.02	0.07	2.20	0.02
Total Alkalinity (as CaCO ₃)	217	228	208	212	239	196
Total Hardness (as CaCO ₃)	275	304	248	275	336	238
Calcium (as Ca) ^b	81	109	38	73	94	38
Magnesium (as Mg) ^b	17	25	5	22	42	9
pH (Units)	7.5	7.9	7.4	7.6	8.2	7.3
Chloride	62	76	48	56	65	47
Fluoride	0.30	0.36	0.26	0.28	0.36	0.20
Sulfate	45	53	37	44	48	39
Nitrate (as NO ₃ - N)	1.34	2.00	0.93	1.18	2.10	0.62
Iron (as total Fe)	<0.04	0.11	<0.04	<0.04	<0.04	<0.04
Manganese (as total Mn)	0.10	0.18	0.04	0.06	0.28	0.01
Sodium	(a)	(a)	(a)	32	35	30
Total Solids	(a)	(a)	(a)	(d)	(d)	(d)
Total Dissolved Solids	428	428	428	(d)	(d)	(d)
Total Organic Carbon	0.70	0.98	0.33	0.73	0.99	0.50
TREATED WATER						
Turbidity (NTU)	0.05	0.18	0.02	0.10	4.54	0.02
Total Alkalinity (as CaCO ₃)	88	101	73	75	108	61
Total Hardness (as CaCO ₃)	148	167	128	136	170	113
Calcium (as Ca) ^b	35	58	20	21	42	16
Magnesium (as Mg) ^b	15	22	5	20	26	7
pH (Units)	9.1	9.7	8.7	9.2	9.9	8.8
Chloride	55	55	54	54	58	46
Fluoride	0.83	0.99	0.72	0.85	1.00	0.30
Sulfate	44	44	44	43	46	38
Nitrate (as NO ₃ - N)	1.14	1.14	1.14	1.34	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	32	37	27
Total Solids ^c	259	288	238	240	286	162
Total Dissolved Solids	259	288	238	240	286	162
Total Organic Carbon	0.50	0.63	<0.2	0.59	0.87	0.41
Phosphate (as PO ₄ - P)	0.11	0.17	0.06	0.12	0.43	0.04
Chlorine Residual, Free	1.24	1.69	0.89	1.22	1.64	0.91
Chlorine Residual, Total	1.31	1.80	1.02	1.28	1.70	0.95

(a) Analyses not performed in FY2026.

(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 (<0.18 NTU).

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