

**RECORD OF DATA FOR THE YEAR 2020
PLANT EFFLUENT WATER ANALYSIS**

PARTS PER MILLION

<u>CHEMICAL ELEMENT</u>	<u>SYMBOL</u>	<u>MAXIMUM</u>	<u>MINIMUM</u>	<u>AVERAGE</u>
Silica	SiO ₂	12.1	5.6	9.0
Aluminum	Al	0.12	<0.01	0.03
Calcium	Ca	36.3	25.4	31.2
Magnesium	Mg	3.9	0.7	2.4
Sulfate	SO ₄	31.5	23.6	26.8
Chloride	Cl	29.5	18.9	25.7
Iron	Fe	<0.01	<0.01	<0.01
Manganese	Mn	0.05	<0.01	<0.01
Fluoride	F	1.11	0.41	0.67
Sodium	Na	17.8	11.8	15.5
Total Alkalinity		69	32	55
Total Hardness (EDTA)		104	40	85
Total Residue		166	135	150
Hydrogen Ion Concentration	pH	9.11	8.72	9.04
Combined Chlorine Residual	NH ₂ Cl	4.3	2.7	4.0
Phosphate	PO ₄	1.10	0.72	0.92
Nitrate	NO ₃ -N	1.09	0.34	0.59

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