

**RECORD OF DATA FOR THE YEAR 2019
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	11.9	4.5	8.9
Aluminum	Al	0.09	<0.01	0.02
Calcium	Ca	42.0	22.2	30.7
Magnesium	Mg	5.3	0.5	2.3
Sulfate	SO ₄	28.2	19.0	24.5
Chloride	Cl	44.3	20.2	27.3
Iron	Fe	<0.01	<0.01	<0.01
Manganese	Mn	0.05	<0.01	<0.01
Fluoride	F	1.19	0.34	0.74
Sodium	Na	27.7	11.8	15.5
Total Alkalinity		78	24	51
Total Hardness (EDTA)		106	36	83
Total Residue		191	126	148
Hydrogen Ion Concentration	pH	9.31	8.64	9.04
Chlorine Residual Combined	NH ₂ Cl	4.4	2.5	4.0
Phosphate	PO ₄	1.06	0.75	0.89
Nitrate	NO ₃ -N	1.06	0.04	0.81

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