

**RECORD OF DATA FOR THE YEAR 2017
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	11.5	6.4	8.7
Aluminum	Al	0.06	<0.01	0.02
Calcium	Ca	36.9	23.1	29.3
Magnesium	Mg	4.5	0.8	2.0
Sulfate	SO ₄	34.1	23.7	27.6
Chloride	Cl	29.9	22.7	26.8
Iron	Fe	<0.01	<0.01	<0.01
Manganese	Mn	0.01	<0.01	<0.01
Fluoride	F	0.85	0.37	0.68
Sodium	Na	16.3	10.3	13.3
Total Alkalinity		63	26	43
Total Hardness (EDTA)		110	61	82
Total Residue		204	135	167
Hydrogen Ion Concentration	pH	9.24	8.25	9.03
Chlorine Residual Combined	NH ₂ Cl	4.2	2.4	3.7
Phosphate	PO ₄	1.35	0.70	0.90
Nitrate	NO ₃ -N	1.31	0.39	0.73

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