

**RECORD OF DATA FOR THE YEAR 2016  
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 <sub>2</sub>	11.3	2.1	8.2
Aluminum	Al	0.10	<0.01	0.03
Calcium	Ca	41.7	23.1	31.2
Magnesium	Mg	4.7	0.7	2.0
Sulfate	SO <sub>4</sub>	34.5	21.5	27.6
Chloride	Cl	30.6	22.4	27.2
Iron	Fe	<0.01	<0.01	<0.01
Manganese	Mn	<0.01	<0.01	<0.01
Fluoride	F	0.90	0.51	0.69
Sodium	Na	17.7	9.5	12.7
Total Alkalinity		93	26	47
Total Hardness (EDTA)		114	68	87
Total Residue		228	146	175
Hydrogen Ion Concentration	pH	9.68	7.68	8.66
Chlorine Residual Combined	NH <sub>2</sub> Cl	4.2	3.0	3.8
Phosphate	PO <sub>4</sub>	1.19	0.63	0.89
Nitrate	NO <sub>3</sub> -N	2.02	0.56	1.12

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