

WATER ANALYSIS

Fort Morgan

..... Factory

Campaign 1929 - 30

..... 192

Kind of Water: **Water from Boilers.**

Description of Sample: **Average Campaign sample composed of one sample per shift per day.**

Source of Water: **Water from Boiler Feed Tank and small amounts of city water.**

NOTE: 1785 pounds of soda ash were added to the boilers during the campaign.

ANALYSIS			HYPOTHETICAL COMBINATIONS		
		<u>Parts Per 100,000</u>			<u>Parts Per 100,000</u>
Silica	SiO ₂	4.94	Silica	SiO ₂	4.94
Iron	Fe	.15	Sodium Chloride	NaCl	2.90
Calcium	Ca	6.25	Sodium Sulphate	Na ₂ SO ₄	19.59
Magnesium	Mg	.14	Sodium Carbonate	Na ₂ CO ₃	44.35
Sodium	Na	26.73	Magnesium Chloride	MgCl	
Chlorine	Cl	1.76	Magnesium Sulphate	MgSO ₄	
Sulphuric Acid	SO ₄	13.25	Magnesium Carbonate	MgCO ₃	.48
Carbonic Acid	CO ₃	34.96	Calcium Chloride	CaCl ₂	
			Calcium Sulphate	CaSO ₄	
			Calcium Carbonate	CaCO ₃	15.61
			Ferrous Carbonate	FeCO ₃	.31
		<hr/>			<hr/>
		88.18			88.18
Organic and Volatile (by difference)		<u>64.66</u>	Organic and Volatile (by difference)		<u>64.66</u>
TOTAL SOLIDS		<u>152.84</u>	TOTAL SOLIDS		<u>152.84</u>

COPIES TO

General Supt.
 General Chemist
 Asst Genl. Supt.
 Asst. Chief Engineer
 Superintendent
 Traveling Chemist
 Laboratory

E. K. Hulka
 Chief Chemist.