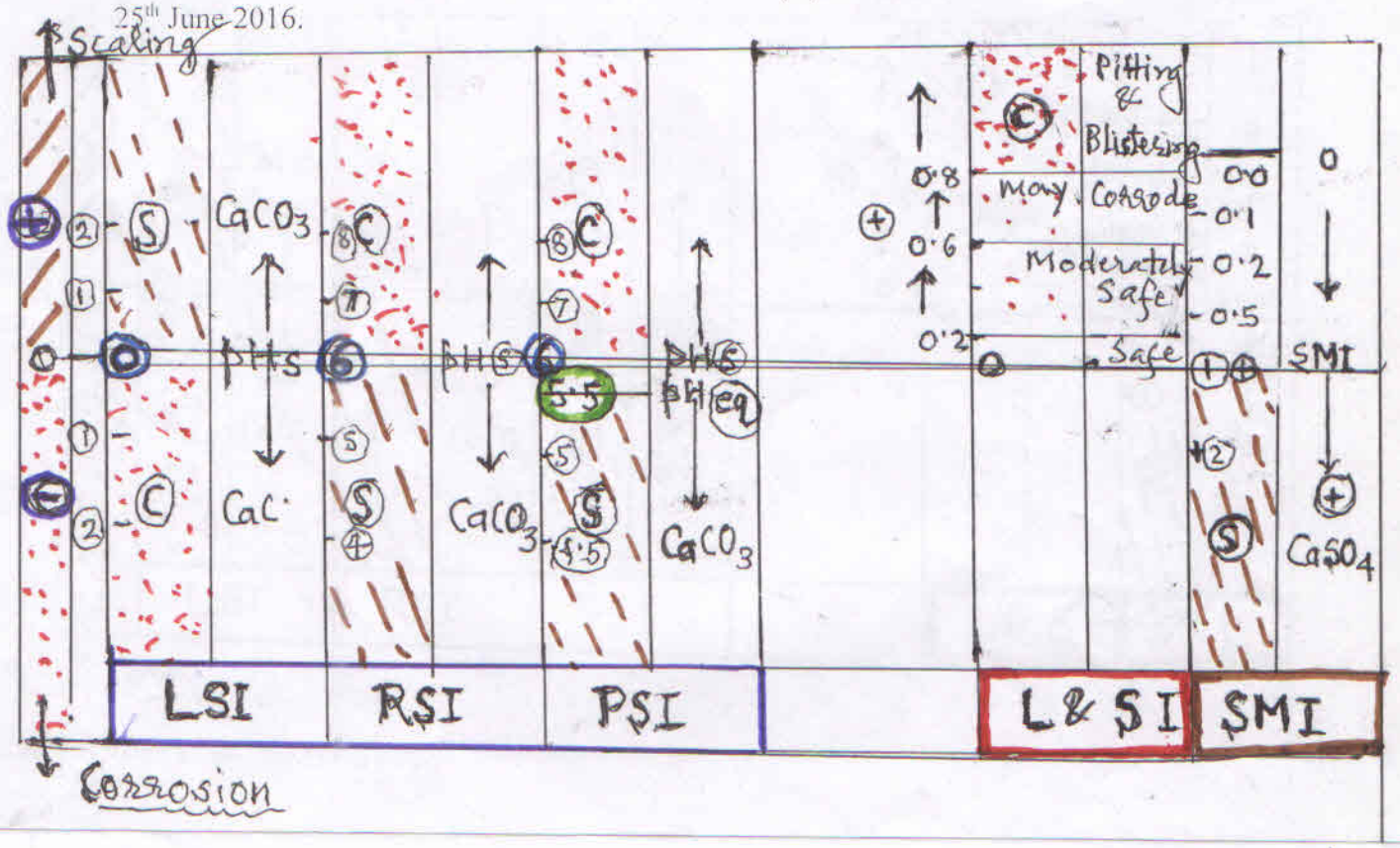
[8] In specific cases Scientists have recommended use of **specialized Indexes** like Larson and Skold Index (**L&S.I**) and Skill Mann Index(**SM.I**) directly on treated/processed waters. The former provides guide line over extent of Corrosive nature of treated water whereas the later also provides scaling tendency of treated water.
To reduce the total alkalinity of Cooling Tower Systems, Sulfuric acid or Organic acids are used which bring the circulating water in safe ranges of working.(Di Anodic or Di cathodic Treatment Program.)

Sincerely,

S.C.Bharadwaj.
Technical Advisor
25th June 2016.

(M) 09818360101
(R)124.3665764



LANGELIER, RIZNER AND POCURIOUS WATER INDEXES

RESULTS COMMON INTERPRETATION

OPERATING STEPS

[1] PLEASE FILL TOTAL DISSOLVED SOLIDS (PPM) ,TEMPERATURE(DEG. CENT),CALCIUM HARDNESS(PPM AS CACO3),TOTAL ALKALINITY M-VALUE AS PPM), AND PH IN THEIR RESPECTIVE CELLS OF COLUMN -C , GIVEN ON THE SOFTWARE SHEET ON ONE COC BASIS.THEN RESULTS OF WATER INDEX LSI,RSI, SHALL BE AVAILABLE ON ONE COC RUN BASIS. IN E COLUMN.~~WHERE AS PSI INDEX RESULT ON P COLUMN.~~

[2] HOWEVER FOR HIGHER COC RUN BASIS, FILL THE DESIRED COC RUN NUMBER ON THE TOP SHELL NO IN THE COLUMN AND GET THE RESULTS EXHIBITED FOR LSI AND RSI ON ONE SIDE AND PSI ON THE ADJUSCENT RIGHT SIDE OF THE SAME PAGE.

[3] NOTE THAT WATER INDEX RESULTS OF WATER INITIALLY HAVING TDS >500 PPM AND ABOVE ARE ONLY EXHIBITED.

RESULTS INTERPRETATION AS BELOW.

1	LSI	RSI/PSI	INTERPRETATIONS IN TERMS OF SCALING/CORROSION
2	3.0	3.0	EXTREMELY SEVERE SCALING
3	2.0	4.0	VERY SEVERE SCALING
4	1.0	5.0	SEVERE SCALING
5	0.5	5.5	MODERATE SCALING
6	0.2	5.8	SLIGHT SCALING
7	0.0	6.0	STABLE WATER
8	-0.2	6.5	VERY SLIGHTLY SCALE DISSOLVING
9	-0.5	7.0	SLIGHTLY SCALE DISSOLVING
10	-1.0	8.0	MODERATELY SCALE DISSOLVING
11	-2.0	9.0	STRONGLY SCALE DISSOLVING
12	-3.0	10.0	VERY STRONGLY SCALE DISSOLVING
13	**REMARKS**	NA	**ACCEPTABLE RANGE-LSI=0.5 TO -0.5.**

LANGELIER, RIZNER AND POCURIOUS WATER INDEXES

RESULTS COMMON INTERPRETATION

OPERATING STEPS

[1] PLEASE FILL TOTAL DISSOLVED SOLIDS (PPM) ,TEMPERATURE(DEG. CENT),CALCIUM HARDNESS(PPM AS CACO3),TOTAL ALKALINITY M-VALUE AS PPM), AND PH IN THEIR RESPECTIVE CELLS OF COLUMN -C , GIVEN ON THE SOFTWARE SHEET ON ONE COC BASIS.THEN RESULTS OF WATER INDEX LSI,RSI, SHALL BE AVAILABLE ON ONE COC RUN BASIS. IN E COLUMN.~~WHERE AS PSI INDEX RESULT ON P COLUMN.~~

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