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LAWRENCE, KANSAS

May 1, 1942

Prof. F. C. Allen
Physical Education Dept.
Robinson Gymnasium
Campus

Dear Prof. Allen:

We are reporting herewith the results of the bacteriological analyses of the samples of water from the swimming pool.

Both of the samples are in good condition from a bacteriological standpoint.

Very truly yours,

DIVISION OF SANITATION

Lewis A. Young
Acting Chief Engineer

ME

BACTERIAL EXAMINATION
Agar, at 37°-24 hrs.
Bacteria per cc. on
Presumptive Tests for Coli-Aerogenes Group
Results of Fermentation Tests:
in 5 10 cc. tubes
in 3 1 cc. tubes
in 3 1 cc. tubes
in 3 .01 cc. tubes
in 3 .001 cc. tubes
Confirmatory Tests for Coli-Aerogenes Group

CHEMICAL ANALYSIS
Results in parts per million.

Color
Odor
Turbidity
5 day B.O.D.
Nitrogen as Nitrites
Nitrogen as Nitrates
Solids total
Special
Special

MINERAL ANALYSIS
HCO₃ (Bicarbonate)
CO₃ (Carbonate)
OH (Hydroxide)
Cl (Chloride)
Fe (Iron)
Special

* Gas in the fermentation tubes and confirmatory test indicate the presence of bacterial organisms of the Coli-Aerogenes group. These organisms inhabit the intestinal tract of warm-blooded animals, hence their presence in water shows sewage contamination or pollution from surface drainage. Plus sign, gas present. Minus sign, gas absent.
One part per million is equivalent to 1 pound of substance per million pounds of water. One gallon weighs 8.33 pounds. 17.1 parts per million=1 grain per gallon.