

# REPORT OF WATER ANALYSIS—CITY OF Lawrence

|                                                           |                     |                        |
|-----------------------------------------------------------|---------------------|------------------------|
| Laboratory No.                                            | 411288              | 411300                 |
| Source                                                    | East End West End   | East End West End      |
| Collected by                                              | K.U. Athletic Dept. | K.U. Athletic Dept.    |
| Date of collection                                        | 3-19-41             | 3-20-41                |
| Date received                                             | 3-19-41             |                        |
| Analysis completed                                        | 3-21-41             | 3-22-41                |
| <b>BACTERIAL EXAMINATION *</b>                            |                     |                        |
| Bacteria per cc. on<br>Agar, at 37°—24 hrs.               | 3                   | 2                      |
| Presumptive Tests for Coli-Aerogenes Group                | -                   | -                      |
| Results of Fermentation Tests:                            |                     |                        |
| in 5 10 cc. tubes                                         | 5-                  | 5-                     |
| in 3 1 cc. tubes                                          | 3-                  | 3-                     |
| in 3 .1 cc. tubes                                         |                     |                        |
| in 3 .01 cc. tubes                                        |                     |                        |
| in 3 .001 cc. tubes                                       |                     |                        |
| Confirmatory Tests for Coli-Aerogenes Group               |                     |                        |
| <b>CHEMICAL ANALYSIS</b><br>Results in parts per million. |                     |                        |
| Color                                                     | under 1             | under 1                |
| Odor                                                      |                     |                        |
| Turbidity                                                 |                     | (Insufficient samples) |
| 5 day B. O. D.                                            |                     |                        |
| Nitrogen as Nitrites                                      |                     |                        |
| Nitrogen as Nitrates                                      |                     |                        |
| Solids, total                                             |                     |                        |
| Special                                                   |                     |                        |
| Special                                                   |                     |                        |
| <b>MINERAL ANALYSIS</b>                                   |                     |                        |
| HCO <sub>3</sub> (Bicarbonate)                            | 46                  | 44                     |
| CO <sub>3</sub> (Carbonate)                               |                     |                        |
| OH (Hydroxide)                                            |                     |                        |
| Cl (Chlorides)                                            |                     | 107                    |
| 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.