

VIII. Pool Water Supply

1. Quality of Supply

The bacterial, chemical and physical purity of swimming pool water should be fully equal to the best drinking water. If the water is very hard, that is if it contains large quantities of calcium bicarbonate, ordinary coagulation and filtration may not give clear water, especially if the water is heated. In such a case coagulation and sedimentation basin may be installed for pre-treatment or a water softening apparatus, *may be used.*

2. Water Purity standards

(1-Whatever the source, the water in every swimming pool should at all times, as a minimum meet the standards of the American Public Health Association.

(See K. U. Sanitation Dept.)

(2-Maintenance of Water standards (Consult K. U. Sanitation Dept.)

(3-Bathing Load

The maximum bathing load permissible in a pool is governed by three factors:

- a. The water area of the pool
- b. The water content of the pool
- c. The rate of turnover of the pool contents.

(4- Water Circulation in Pools

Water purity standards should be the same in every part of the pool at all times.

The arrangements of inlets and outlets should be such as to cause as complete mixing of entering fresh water with all of the pool contents as possible. Two general arrangements of inlets and outlets