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Testing the Waters with Your Pool Kit

FDHU Requirements



Each facility must have a test kit onsite



Each body of water must be tested and recorded at least 4 times daily



Testing for: free chlorine, combined chlorine, and pH

- Protect testing equipment from inappropriate moisture and extreme temperatures during storage
- Reagents must be replaced every 6 months or at the beginning of operations for the year
- Test strips are not considered suitable for use in place of a test kit



Daily Recordkeeping

- Test water bodies at least 4 times per day for free chlorine, combined chlorine, and pH
- Water must be tested at the beginning of each day's operations before any bathers are allowed to enter the pool
- Test at intervals not less than one hour apart and not greater than two hours apart
- Record water chemistry test results and keep on hand for at least 3 years

Maintain Ranges

Free chlorine residual

- Pool: 2-4 ppm
- Spa: 3-5 ppm

Combined chlorine

- Less than 0.5 ppm

pH

- 7.2-7.8



Get to Know Your Kit

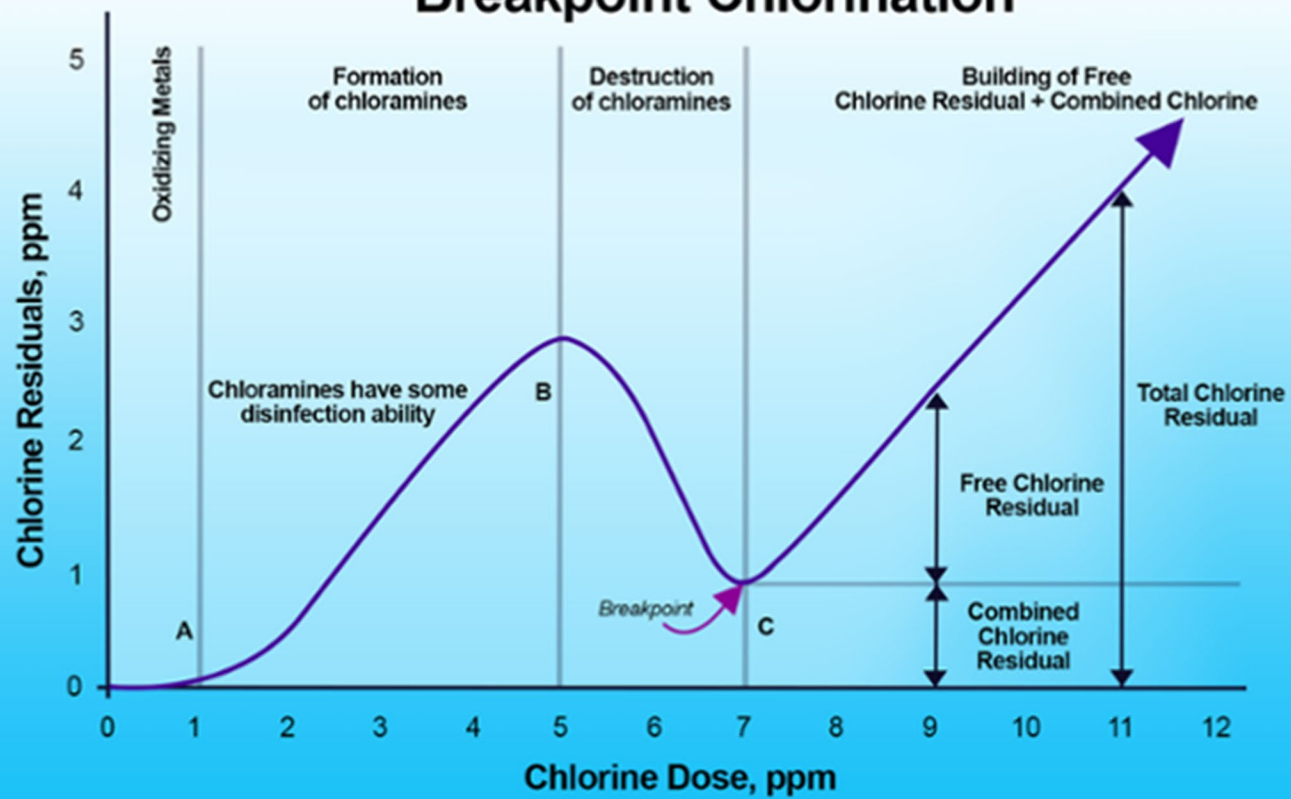
Troubleshooting: Free Chlorine

- Too low
 - Action: close water body until free chlorine is increased to and maintained at least 1 ppm (ideal is 2-4 for pools and 3-5 for spas)
- Too high
 - Action: close water body until total chlorine levels are less than 10 ppm and maintained

Troubleshooting: Combined Chlorine

- Combined chlorine greater than 0.5 ppm
 - Indicates higher presence of chloramines: chlorine bonded with other nitrogenous compounds that interfere with proper disinfection
 - Action: achieve breakpoint chlorination as soon as possible

Breakpoint Chlorination



Below 7.2

- Action: add soda ash to increase pH

Above 7.8

- Action: add muriatic acid to decrease pH

Troubleshooting: pH

Thank you.

Questions?