

Clayton County Board of Health
Environmental Health
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Alpha Fowler Bryan, MD – District Health Director

## **Swimming Pool and Spa Calculations Worksheet**

Name of Facility:
Address:
City: State: Zip Code:
Facility Representative:
Telephone Number: Fax Number:
Type of Unit: ☐ Swimming Pool ☐ Spa ☐ Falling Entry Pool ☐ Wading Pool
□ Other:
Certified Operator: Telephone Number:
Surface Area:
Rectangle/Square = Length (ft.) x Width (ft.)
Triangle = Length (ft.) x Width (ft.) ÷ 2  = ft. x ft.  Area = ft.²  For multi-sided units, divide the pool into known shapes and calculate the area for each individual shape. Then add the answers
Depth:
Average Depth = (Shallow Depth (ft.) + Deep Depth (ft.)) ÷ 2 = ( ft. + ft.) ÷ 2 Average Depth = ft.
For units with more than one area (example - a diving well with a constant depth, two different sloped sections, etc.) perform the calculations for each.
Volume:
Volume = Surface Area (ft.²) x Average Depth (ft.) x 7.48 (gal./ft.³) =ft.² xft.² x 7.48 gal./ft.³ Volume = gallons

For units with more than one area (examples - a diving well with a constant depth, two different sloped sections, etc.) perform the Average Depth calculation for each. Then, perform the Volume calculation for each section and add the answers together to get the total volume of the unit.