

# SAFE N SOUND Swimming

## Our Pool Water & Air Safety

### 4 Factor Sanitary Method To Treat Our Pool Water

Every day, we take sanitary pool water very seriously regardless of any disease outbreak. We use a 4-factor sanitary method to treat our pool water. First, we treat our water with Chlorine.

#### **Step 1: Chlorine**

Chlorine is proven effective at killing most biological pathogens including COVID-19. Most importantly, the nature of Chlorine is that it stays dissolved and present in the water which means as soon as a pathogen is introduced into the water, the chlorine chemicals begin attacking its cell structure rendering it inactive.

#### **Step 2: Ultra-Violet Light**

Second, we use a medium pressure, ultra-violet light which kills 99.6% of all pathogens as soon as the water passes by the light. The ultra-violet light treatment is part of our cleaning and disinfection process in our pump room and is a great safety net for water sanitation.

#### **Step 3: Oxidation Reduction Potential 25% Greater than WHO Standard**

Third, we use an oxidizer enhancer product that essentially boosts the power of the chlorine already in the pool water. Oxidation is the process by which chlorine attacks pathogen cells. The Oxidation Reduction Potential (ORP) is the measurement of the power or potential for killing pathogens in the water. The World Health Organization has found that an ORP of 650 mV will virtually, instantaneously inactivate bacterial and viral pathogens. Safe N Sound maintains an ORP between 820 to 840 mV. Thus, our pool sanitation exceeds WHO standards by at least 25%. As a result, our pool is cleaner and healthier.

which has the added benefit of less chlorine smell (chloramines escaping in the air) leading to cleaner and healthier air in the facility as well.

#### **Step 4: Natural Biological-Eating Enzymes**

Finally, we use a natural enzyme that consumes any biological contaminant left behind from the chlorine chemical reaction which improves water clarity and is more environmentally friendly. Thus, our pool water is very safe to work and play.

See The [Recent Seattle Times Article](#) for more Information

#### **Air Safety**

Our Ventilation at our Westlake Pool is 100% External Air  
There is no recycle air used in our HVAC system. The air flows from the West end of the pool to the East end of the pool in one direction.