

Supporting Information for:

# Long-Term Monitoring of Water and Air Quality at an Indoor Pool Facility During Modifications of Water Treatment

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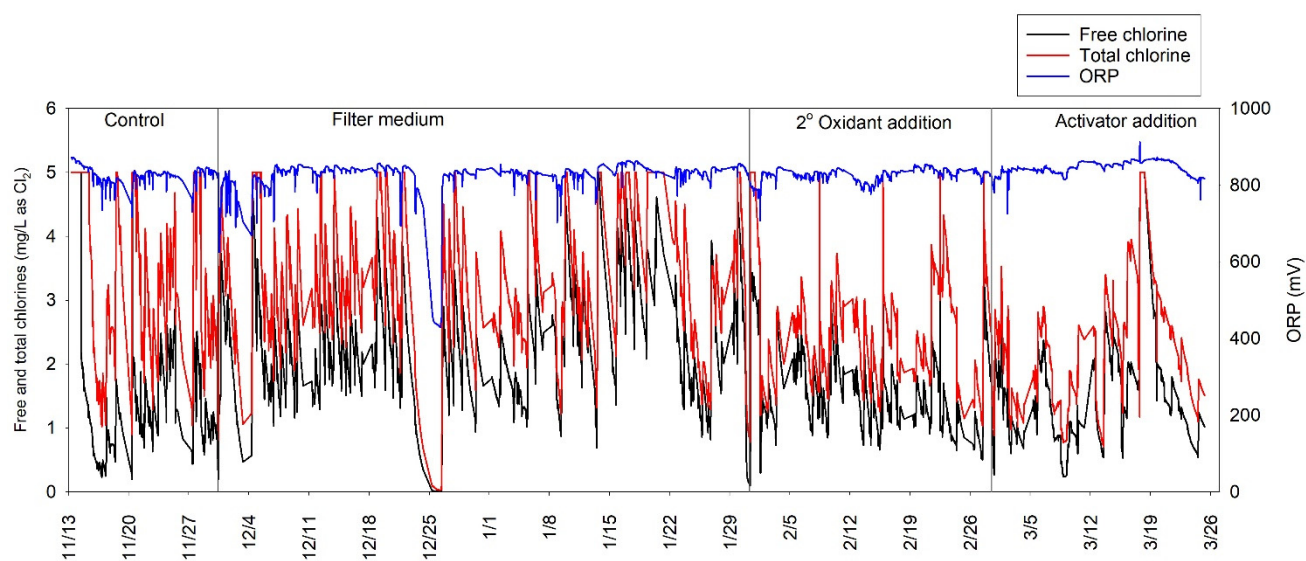
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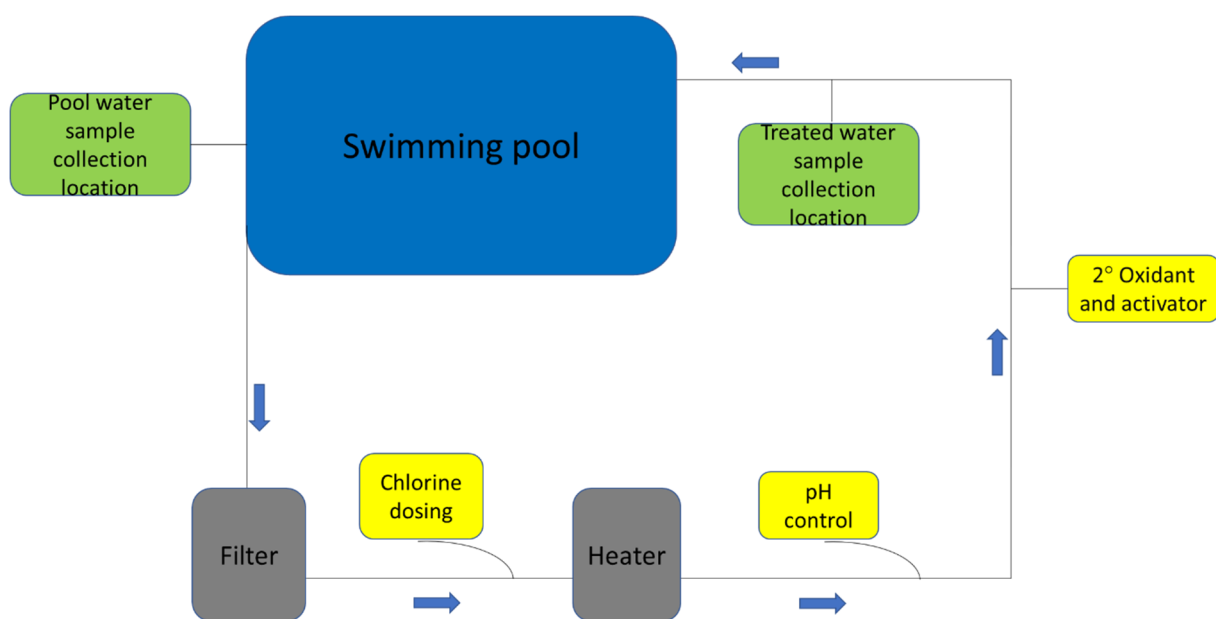
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**Table S1.** Source water quality analysis.

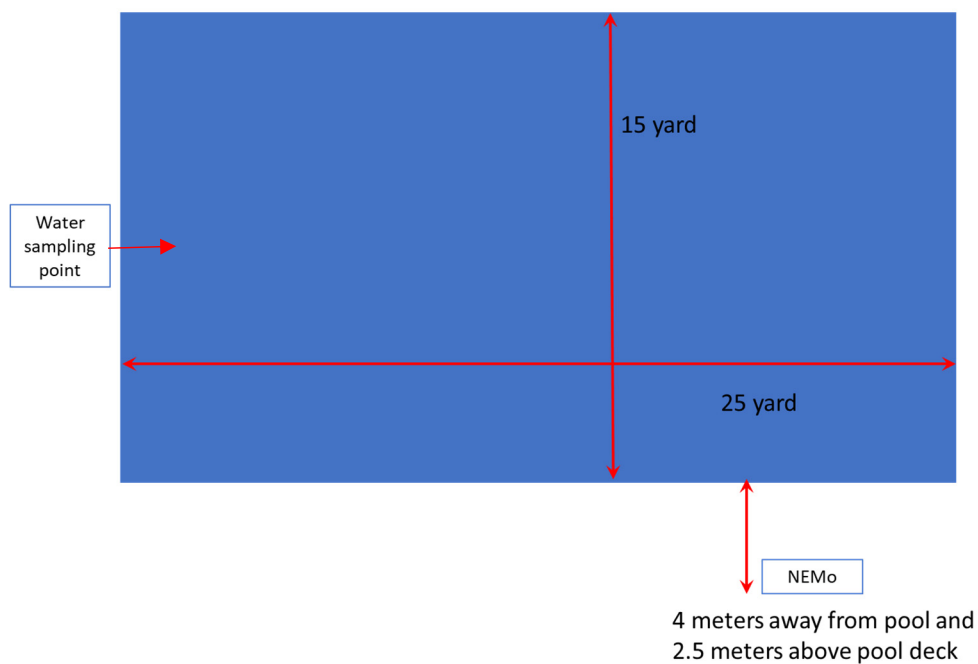
Parameter	Reported Value
pH	7.4
Alkalinity	274 mg/L as CaCO <sub>3</sub>
Fluoride	0.7 mg/L
Orthophosphate	0.5 mg/L
Free Ammonia	0.09 mg/L
Nitrate	1.1 mg/L
Nitrite	0.009 mg/L
Sulfate	70 mg/L
Calcium	300 mg/L as CaCO <sub>3</sub>
Magnesium	124 mg/L as CaCO <sub>3</sub>
Hardness	424 mg/L as CaCO <sub>3</sub>



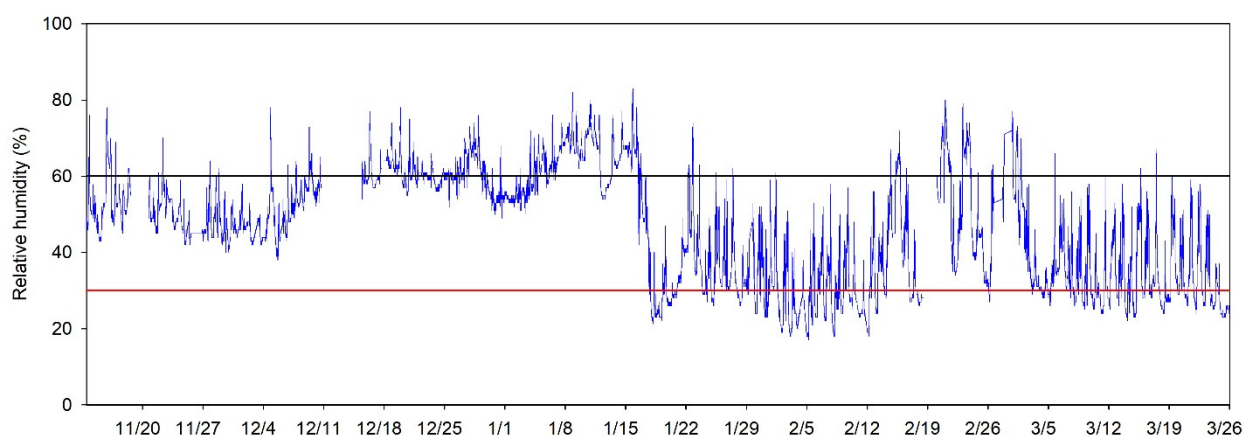
**Figure S1.** Time-course monitoring of free chlorine, total chlorine and ORP at the studied pool facility.



**Figure S2.** Schematic of pool water treatment process sequence with chemical dosing points and locations of pool water sampling locations.



**Figure S3.** Water sampling and NEMo locations in the studied pool facility. Water samples were collected from roughly 20 cm below the water surface.



**Figure S4.** Time-course monitoring of Relative Humidity (RH) at the studied pool facility. Blue line represents the RH measurements. Black horizontal line represents the 60% threshold and red horizontal line represents the 30% threshold.