



Understanding the results of “Pool Water Loss Screening”

Pool industry professionals agree.... Most pools lose water! And in just about every situation, evaporation of pool water occurs – often between 1/8” to 1/2” per day. So how much is loss vs. evaporation? While there are different methods to help answer this question, often, especially in a Real Estate transaction, there is not the luxury of time. This is where we can help!

AHI, Inc. – Consulting is proud to offer Pool Water Loss Screening using industry leading equipment, the LEAKALYZER Water Loss Sensor, from Anderson Manufacturing Company, Inc.

The LEAKALYZER enables us to quickly determine if a pool is losing water and how much. The device measures water level changes to the 10,000th of an inch, and tracks these changes in real time on a digital graph. Watching this real-time data enables us to screen for loss in as little as 5 minutes, although we often run screening for 15-20 minutes.

Chances are if you’re reading this we have performed Water Loss Screening for you! Here how to make sense of the data.

Looking at the Graph – The dotted line (typically sloped just below the solid flat line) indicates the “Evaporation Rate” or “ER” which was estimated on-site at the time of the screening. The varied graph line (the squiggly line) is the average of the water level measurements taken during the screening period. The graph line will either be consistent with the ER or drop more steeply than the ER rate. In some cases, for different reasons, the graph line may actually creep up showing water gain during the test. A drop in the varied graph line, below the ER line, suggests water loss.

Looking at the Data – *This is the best way to understand the screening results!* Follow the “Estimated Leak” row to the “in/day” column, the number in that data field is the estimated water loss (or gain) during a 24 hour period expressed in inches per day. For example, an estimated loss of 0.22 in/day (just under 1/4”), in a smaller pool of 375 s/f surface area, would equal a loss of approximately 51 gallons per day.

Understand this is just a Screening... but a great first step! The results are based on a number of assumptions and variables do exist. The results are helpful to better understand what’s going on in the pool. Depending on the results you should consider a second Pool Water Loss Screening, more in-depth Leak Testing and or evaluation and repairs by a qualified pool contractor.

We can help guide you on what’s next! Feel free to call or office anytime with questions or concerns at 215 852 7319.