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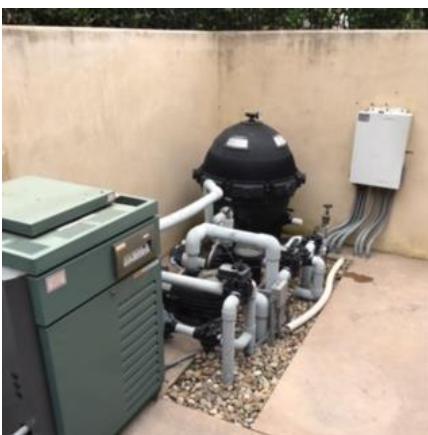
February 10

Pool Leak Report

2017

This report is for the residence of located in sunny La Jolla, Ca 92037. This report includes our findings from the pool, spa and auto fill networks hydraulic analysis of water distribution. For This test we use a hybrid approach of leak detection tools including: Electronic listening devices, Dye, Pressure testing kits & Pool light niche leak detectors. The findings should hopefully help in water conservation.

Prepared for
Anonymous



Today we pressure tested, the pool, spa and auto fill valve water networks. The return side and suction side for both the pool and spa held at 5-7 PSI for 10-15 minutes. Swim Care tested the pools main drains with our electronic listening device and heard no indications of main drain leaks. The pools dedicated auto cleaner line was pressure tested and held a consistent 5-7 PSI over 10-15 minutes. Swim Care also tested water rise and loss using a leak analytics device, old technology refers to this as a bucket test that takes 24-48 hours to perform. Swim Care also dye tested in several areas around the skimmer boxes and the pool and spa light fixtures, we heard no indications of water leaving the pools return network while performing this test. Swim Care cut out a faulty ball valve over at the equipment pad for the auto fills main water feed line. The current one was faulty and the water was not shutting off as a result. Upon further observation on the pools auto fill, we found that the auto fill was cockeyed and not vertical as it should be. It could have moved in the past do to faulty construction of the original builder. The auto fill boxes per technical instructions are supposed to be filled with sand around housing so they do not shift or move without natural weather condition causes, earth movement, etc. The pool auto fills 1" inch drain pipe was also clogged resulting in the water returning to the pool through the 1.5" inch equalizer line. Filling the pool and exiting over the wall by the pools automatic pool cover. Until further notice, now that the auto fills ball valve is now working we have left the valve shut to save unused water until a repair is agreed on. Swim Care recommends having the irrigation company test and look at all irrigation stations for any other possible leaks on the premises. We also recommend replacing or fixing the current auto cleaner, it is not working correctly.

Recommendations for resolution:

Replace faulty auto fill that's currently present. When installing use sand around the auto fill unit to help encase it from moving in the future like it has done so previously. Clean out any debris on the 1" inch overflow line to the drain. Verify the overflow drain line is connected to the correct drain line. ***If it is not and we need to dig and install a new line and attach it to the correct drain piping it would change the total estimated project cost.** Estimated cost including all labor, PVC and the new auto fill box: \$ 0.00

Sincerely,



Jeremy Mondell

Leak Detection

Date 02/10/2017

Square Footage of Vessel : 760

Overall shape of pool: Good

Pool Filter Type Sta-rite cartridge

Pool Pump type Sta-rite

Max-e-glass 2

Pool Heater Raypak rp2100

Pool Solar: None

Pool Equipment 02/10/17 1:26 PM.jpeg

Pool Picture 02/10/17 1:27 PM.jpeg

Pool Structure Good no visual cracks

Pool Skimmers 2 skimmers built in no lids

Line Pressure 5psi

Pool Drain(s) VGB compliant good shape and secure

Line pressure 5psi

Pool Returns 3 pool returns

Line Pressure 5 psi

Cleaner line Auto cleaner Hayward navigator with safety cap

Line Pressure 5psi

Lights One light

Spa Drain 4 drains total. 2 for spa suction with heater and 2 for booster pump. All VGB compliant and secure.

Line Pressure 5psi

Spa air line No air line spa uses booster pump

Line Pressure Held at 5psi

Spa Return Good

Line Pressure 5psi same as jet pump

Autofill Pool has auto fill poolmiser

Held 7psi recommended replacement and unclog drain line to fill box.

Aux Pump(s) Sta-rite booster pump for spa jets

Dyna-max

Structural Cracks No cracks seen.