



Weekly Newsletter

Greetings!

Water Out South Puget Sound dies rental home in Lynnwood, WA

One of our newsletter favorites, Wally Stoneberg of Water Out South Puget Sound, sent in a drying story this week. Wally reports: "Last week, Water Out South Puget Sound was contacted by a home owner in Lynnwood, Washington. A home they had rented out had an upstairs washing machine leak. The occupying family was down stairs in their family room and had no idea they had a problem. They estimated the water had run for about 20 minutes before they discovered the problem and got the washing machine turned off. They called the owner, combined forces, and worked for about 4 hours trying to remove the water. The owners were worried about possible water damage, found Water Out online and gave us a call.

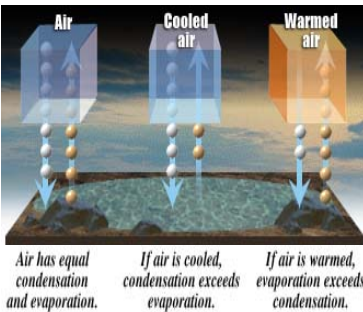
Other than wet carpets and a few wet interior walls the upstairs was easy to dry. However, the owner and renting couple followed me around while we conducted an infrared inspection of the rooms below the leak. The family room ceiling and walls had extensive water damage. Infrared pictures were taken and drying using a Water Out Portable began. After two days of drying, follow up infrared pictures and Protimeter readings confirmed all drying was complete. The couple living in the house had called their insurance company about a possible claim on two expensive reclining couches that had water damage. We left the couches in their extended position in the family room during the drying process. After drying, the room and couches had no evidence of moisture. The young couple was amazed that the room and their furniture smelled so fresh. The Water Out Portable proves itself day after day."

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Water Out South Puget Sound dries in rental home in Lynnwood, WA with Water Out Portable



Charles Cressy of Water Out Drying Corp shares an Article from USA TODAY research by Chad Palmer

Molecular motion determines evaporation and condensation

Often, you hear people say that cold air can't "hold" as much water vapor as warmer air. This misconception is even found in some textbooks. The speeds of water molecules determine condensation and evaporation rates. All molecules are moving, even in ice and other solids, such as steel. Molecules move much more rapidly in gaseous state than in a solid. Water molecules vibrate back and forth in a block of ice, but move randomly in the liquid and gas states. The speed of each water molecule determines that molecule's phase - gas, liquid or solid. Evaporation and condensation both occur at all temperatures. The temperature of the air, the water vapor in the air, and the surface of liquid water determine

whether condensation or evaporation dominates. Suppose we have a parcel of air in which condensation and evaporation are equal. In other words, for every molecule that evaporates from the liquid water, a water vapor molecule condenses into the liquid state. If you cool the air parcel, condensation dominates. Evaporation is still taking place, but it is overwhelmed by condensation. This can lead to clouds, fog or dew. The reason condensation becomes dominant in the cooler air is that more of the molecules are moving at slower speeds. Many more of the water molecules become slow enough to change into liquid. If, on the other hand, you warm the air parcel, evaporation dominates as the molecules speed up. In this case, many more molecules in the liquid water are moving fast enough to become vapor.

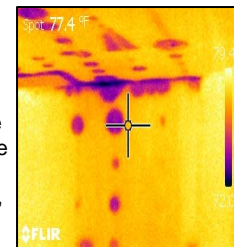
<http://www.usatoday.com/weather/wevapcon.htm>



It's not too late to register for the "New Construction Drying Course", being held November 22, 2008 from 8-11:30 at the Hyatt Regency in Baltimore, MD as part of the RIA Fall Conference. The cost of the class is \$50, it includes continental breakfast and it is

being hosted by Water Out (www.waterout.com) and Brickman Consulting (www.brickmanconsulting.com). This is a great opportunity to get an overview of lumber and concrete testing and drying and to get a taste of the extended classes offered, "Advanced Technicians Course" and "Wood Floor Inspector".

To register, please contact Kelly Cressy at Kelly@waterout.com or 732-803-8664. For more information about the RIA or for hotel information visit www.restorationindustry.org.



Before drying, infrared image, show where ceiling and wall are wet



After drying, infrared image and photo show ceiling and wall dry

Happy Drying!

"Perseverance is not a long race; it is many short races one after another."

~Walter Elliott