



COMPANY CASE STUDY



INTENSE CONTINUOUS AIR MOVEMENT

How the AxisAir platform's continuous and intense air movement significantly reduced poor indoor air quality and mold inside a home residence with the subject having respiratory failure.

OVERVIEW

The subject was in Loma Linda Hospital for 9 weeks with a respiratory issue that required round-the-clock oxygen. Doctors said the subject had respiratory failure, and were unsure of the cause.

The issues reported were a water leak three months prior and the property manager had a handyman come out to cut a hole in the wall to repair a leaking pipe in a wall. The leak saturated the carpet in the corner of the room and damaged drywall that the handyman repaired. (No remediation or drywall removal to dry out the walls or carpet was performed.)

The AxisAir platform was placed in the subject's residence and air samples were taken before the system was turned on.

Within 24 hours, the subject woke up feeling better than the day before. The next day testing was completed to pull the next round of samples. The subject had no distress indoors at all. Breathing was smooth and clean with no runny sinus or eyes.

OUR APPROACH

- **Testing Was Essential:** IMS Labs evaluation and guidelines and testing kits were positioned for an independent test.
- **Maximum Utilization of UV Germicidal Irradiation Process:** Focused on the variables that directly compromise UVC performance, in turn demonstrating the effect of UVGI treatment on drier airborne particles.
- **Multipurpose Dehumidification:** Focused on the variables that directly compromise UVC performance during testing.
- **Triple Staged/Triple Filtered:** An efficient air-handling platform with ductwork specifically designed for maximum airflow that drew continuous air exchanges.

RESULTS



100% Reduction of Stachybotrys or toxic black mold in total indoor environment after 20 hours.



99% Reduction of total particle count after 24-hours in a non-remediated occupied and active environment.



29,520 Total particles that were removed and collected by the AxisAir platform in 20 hours. 53% of particles were Stachybotrys (toxic black mold).

WHY IT MATTERS

The AxisAir platform proved the affects of exposure to the tricoethylene mycotoxins exposure in particular, Satratoxin H, the poisonous gas produced by Stachybotrys. The AxisAir platform has the ability to remove mycotoxins and toxic fungi. The importance of removing toxic particles immediately and continuously to prevent respiratory compromise.

