

PROJECT NAME: Indoor Air Quality Investigation - Office

PROJECT DESCRIPTION:

The client reported an Indoor Air Quality (IAQ) problem at its office in Boulder, Colorado. After an initial walk-through, EIS submitted a contract to conduct an IAQ survey. EIS personnel inspected the HVAC system, conducted measurements of air flow, temperature, and relative humidity. Upon inspection, some immediate problems were noted and changes made. Specifically, the actuating device controlling the fresh air makeup mixture was stuck in the closed position, so that no fresh air was incorporated in the makeup air.

EIS found that the master climate control thermostat was calling for the cooling system to energize, but the cooling condenser had its power manually shut off. Additionally, the system filters were loaded with debris. After repair of the actuating device and replacement of the HVAC filters, dramatic improvements in the IAQ were noted by the office occupants. Additional data gathering such as carbon monoxide and carbon dioxide levels were not deemed necessary. EIS presented a report of its findings and suggested changes. Once all the suggested changes were made, the IAQ problem was eliminated.