

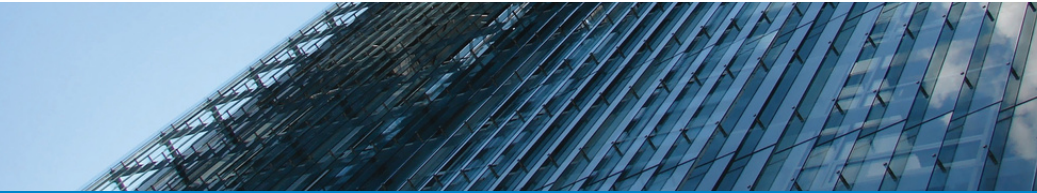


INDOOR AIR QUALITY

REAL ESTATE DUE DILIGENCE HEALTH AND SAFETY ENVIRONMENTAL COMPLIANCE ENERGY EFFICIENCY



Nova Group, *gbc*



SERVICES

- > Investigations
- > Remediation Project Design
- > Bid Services & Contract Admin
- > Expert Witness
- > Mold
- > Bacteria
- > Volatile Organic Compounds
- > Particulate Identification
- > Formaldehyde
- > Radon
- > Hydrogen Sulfide & Sulfur Dioxide
- > Moisture Testing
- > Ventilation System Evaluation



25 Story Office Building
Des Moines, IA

Service Overview

Nova has significant experience in performing Indoor Air Quality (IAQ) evaluations, monitoring IAQ remediation projects, developing corrective engineering procedures, training employees, and performing periodic audits. Sampling and testing can be performed to measure exposure to airborne microbiological contaminants, chemical hazards, or excessive noise or heat. Evaluations may also entail an analysis of engineering control strategies, including installation of ventilation systems, process modifications, or product substitution.

Nova's projects often address regulatory and liability concerns of employers or homeowners and respond to employee/resident questions or complaints. Typical IAQ investigations require a site walk-through to identify indoor conditions that may lead to symptoms of allergies, illness, and/or general discomfort. Sampling and testing are performed via culturing and non-culturing analytical techniques to measure bioaerosols (aeroallergens and/or bacteria) present in the air and building materials. The IAQ investigation also includes the inspection of and sampling of HVAC system(s) and associated ducting. Expert witness testimony and advisory services are provided to clients involved in health-related claims.

Experience

Nova's trained professionals include Certified Industrial Hygienists and Certified Safety Professionals with many years of experience in evaluating, identifying, and controlling indoor environmental concerns. Trained staff has provided numerous IAQ services evaluating the air quality and building conditions of multiple-story office and apartment buildings and single-level office structures. Nova helps its clients identify control methods and remediation procedures, providing solutions to resolve air quality concerns.



THOMAS FIORENTINO-STRAWN, WELL AP, FITWEL AMBASSADOR
Vice President - Industrial Hygiene Services Group Leader

Mr. Fiorentino-Strawn is responsible for business development, project oversight and management, technical report review, QAQC, and serves as the ESG testing lead. He has completed and managed hundreds of projects in a wide variety of facilities, such as commercial, single- and multifamily residential, and industrial facilities. Mr. Fiorentino-Strawn is a WELL Accredited Professional, WELL Performance Testing Agent, Fitwel Ambassador, and BREEAM In-use Assessor, and is well-versed in ESG/ green building certifications and testing.

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CASE STUDY

Summary

The client contracted Nova to provide comprehensive building inspections on a floor-by-floor basis to determine if building deficiencies and environmental issues were present, causing significant health effects to employees.

Solution

Vertical exterior sealants were replaced to address extensive water infiltration on curtain walls, which had led to significant mold and bacteria growth within the building. Issues with the building's HVAC system were identified, leading to a floor-by-floor replacement and upgrade of the entire ventilation system (units, ducts, and controls). Exhaust issues were identified that were associated with the underground parking facilities. Exhaust and fresh air equipment and operating procedures were evaluated and adjusted, ensuring that automobile exhaust did not affect the building occupants.

