



26 Pinewood Lane
Harrison, ME 04040

EXPERTISE

- HVAC Systems
- Indoor Air Quality
- Industrial Hygiene

EDUCATION

BS / 1986

Mechanical Engineering
University of Hartford

**PROFESSIONAL
REGISTRATION**

Professional Engineer:
Florida # 51323

Certified Industrial Hygienist
#8158

**CONTINUING
PROFESSIONAL
DEVELOPMENT**

LEED® AP

EXPERIENCE

General	21 years
Project	21 years

PROFESSIONAL PROFILE

Mr. Caulfield has over twenty years of experience in mechanical engineering, industrial hygiene and indoor air quality studies. Mr. Caulfield is skilled in the design and evaluation of heating, ventilating, and air-conditioning (HVAC) systems and their relationship to complex indoor air quality problems. He has provided HVAC design and commissioning services for healthcare, educational, and commercial facilities. He has conducted indoor air quality evaluations for both new construction and existing buildings. The facilities evaluated include healthcare facilities, educational facilities, residential structures, office buildings, retail establishments, and government buildings. In conjunction with building air quality investigations, Mr. Caulfield has conducted sampling for airborne levels of carbon dioxide, carbon monoxide, sulfur dioxide, nitrogen dioxide, ozone, formaldehyde, volatile organic compounds, mercury, oxygen, radon, and nuisance dust. He has designed and implemented complex construction area containment projects, including the monitoring of particulate and pressure data on a real-time basis. Mr. Caulfield has obtained air, bulk, wipe, and water samples for quantification and identification of bacteria (including Legionella) and fungi.

Mr. Caulfield has also designed and managed asbestos abatement in conjunction with renovations in commercial, healthcare, and educational facilities. He has successfully completed the NIOSH 582 course for air sampling and analysis, and the EPA-accredited training conducted by Harvard University School of Public Health. Mr. Caulfield has conducted surveys for lead-based paint in residential, educational, commercial, and military facilities. He has prepared plans and specifications for the removal of lead-based paints during historical renovations of education and residential buildings.

