



GARY YODER

SENIOR PRINCIPAL

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ABOUT

Gary is a Senior Principal with HERA Environmental and brings more than 30 years of air quality consulting experience serving manufacturing, utility, government, and institutional clients throughout the United States.

He is particularly recognized for his expertise in complex air dispersion modeling and air quality analyses, helping clients navigate challenging permitting requirements, evaluate environmental impacts, and support major capital projects. Gary has extensive experience developing refined air dispersion modeling demonstrations for criteria pollutants, hazardous air pollutants, toxic air contaminants, and odor-causing compounds using EPA-approved regulatory models.

In addition to air dispersion modeling, his areas of expertise include air permitting strategy, regulatory applicability analyses, emissions inventory development, air pollution control technology evaluation, compliance program design, greenhouse gas (GHG) accounting, and life cycle assessment. Throughout his career, Gary has helped clients manage regulatory risk, maintain operational flexibility, and successfully achieve their environmental compliance objectives.

CREDENTIALS

Ohio University, Athens OH BS in Geography/Pre-Meteorology, 1988

North Carolina State University, Raleigh, NC MS in Meteorology, 1992

EXPERTISE

Complex Air Dispersion Modeling & Air Quality Analysis

- Leads complex air dispersion modeling analyses using EPA-approved regulatory models.
- Evaluates criteria pollutants, hazardous air pollutants (HAPs), toxic air contaminants, and odor-causing compounds.
- Develops defensible modeling demonstrations to support permitting, compliance, and risk management objectives.

Air Permitting Strategy & Regulatory Compliance

- Develops permitting strategies for new facilities, expansions, and operational modifications.
- Leads Title V permit renewals, modifications, and optimization initiatives.
- Advises clients on major source, synthetic minor, and conditional major permitting requirements.

Industrial Emissions & Control Technologies

- Supports manufacturing, energy, pharmaceutical, biomass, biogas, and waste-to-energy facilities.
- Evaluates air pollution control technologies, including oxidizers, SCR systems, scrubbers, and particulate controls.
- Develops emissions inventories and engineering analyses for complex operations.

GHG, Sustainability & Environmental Strategy

- Provides GHG emissions inventories, reporting, and life cycle assessments.
- Supports facility planning, capital projects, and long-term compliance strategies.
- Helps clients manage regulatory risk while maintaining operational flexibility.

