



Dana L. Coe

Litigation Services Program Lead

Ms. Coe leads Sonoma Technology's Litigation Services Program. The Program delivers expert testimony and advisory services to attorneys who require trusted, unbiased, science-based expertise. Ms. Coe is responsible for overseeing the Program's project management needs and ensuring that the Program fulfills its mission to clearly communicate complex scientific issues in an easily understood, timely, and ethical manner.

Much of Ms. Coe's 25-year career has been dedicated to Sonoma Technology's Emissions Assessment Group, where she has managed and provided technical direction for numerous projects involving air pollutant emissions. Her experience and expertise covers emissions inventory development, related data analyses, development of emissions guidance and software tools, measurements of emission rates, and measurements of activity levels for emission sources. Ms. Coe also has consulted for renewable energy projects, including commercial-scale, behind-the-meter solar and/or battery storage projects. She has prepared economic feasibility studies and has provided administrative support for public agency project procurements, technical support for contract negotiations, and consulting support for aspects of construction management.

A highlight of Ms. Coe's career was the management of National Aeronautics and Space Administration (NASA) applied research grants to expand and improve BlueSky Systems, a suite of decision support tools for predicting the emissions and air quality impacts of wildland fires. Other examples of her work include an emission inventory of toxic air pollutants for the Vancouver, British Columbia Region; the Central States Regional Air Planning Association's emissions inventories of ammonia, planned burning activities, mobile sources, and agricultural fugitive dust; the Bay Area Air Quality Management District's first region-wide air toxics emissions inventory; and the California Air Resources Board's (CARB) comprehensive ammonia emissions inventory for the San Joaquin Valley. For the National Renewable Energy Laboratory and CARB, Ms. Coe directed data collection and data analyses to model "the weekend smog effect," or the phenomena that cause high levels of air pollution during weekends in southern California. These weekend effect studies included data collection and analyses for mobile, point, and area emissions sources, using surveys, traffic counters, and instrumented vehicles to collect the data. Ms. Coe has also developed emissions estimation guidance documents and emissions calculator software tools; compared and contrasted results of alternate future-year emissions projection methods in central and southern California; evaluated emissions estimation techniques and analyzed data for the petroleum industry; evaluated the national emissions inventory for heavy-duty vehicles; and developed a method to estimate on-road fuel consumption for an U.S. EPA Office of Mobile Sources guidance document.

As a consultant for renewable energy projects, Ms. Coe has contributed to projects for the San Joaquin Regional Transit District; the City of Seaside, California; the Santa Barbara Unified School District; and San Francisco Public Utilities Commission. In addition, Ms. Coe prepared the baseline greenhouse gas inventory for the West County Wastewater District (Richmond, California); and she is currently responsible for demonstrating the carbon reductions achieved through a CARB-funded grant to the Stockton Unified School District, which aims to electrify the District's fleets of vehicles and power them with on-site solar energy.

Education

- MSPH, Environmental Science & Engineering, University of North Carolina
- BS, Civil Engineering, Northwestern University
- Energy Innovation and Emerging Technologies Certificate, Stanford University Center for Professional Development

Memberships

- Air & Waste Management Association
- American Bar Association

For a list of publications, see sonomatech.com/ResPub/DLCpub.pdf.