Erin A. Quinn

Education

BS – Chemistry, University of California, Santa Cruz

Specialty Certifications

Accredited Lead Verifier under CARB (California Air Resources Board) for General Stationary Combustion (GSC) Emissions (No. H-21-109)

Accredited Lead Offset Verifier under CARB for Livestock (No. H2-19-133)

Accredited Lead LCFS Verifier under CARB for Alternative Fuel Transactions (No. H3-20-113)

Professional Experience

Erin Quinn has 17 years of experience in environmental consulting, specializing in air quality, environmental assessments, and greenhouse gas (GHG) consulting, reporting, and verifications throughout the United States. Having completed GHG verification training in California, Oregon, and Washington, Erin specializes in air permitting and reporting in California and throughout the Southwest. He completes criteria, toxic, and GHG emissions estimates and inventories, and prepares numerous permit-to-construct/operate permit applications; as well as compliance reports that include the review and maintenance of records, as well as monitoring regulatory deadlines. Erin also completes federal GHG rule and other state GHG rules for evaluations and reporting.

Greenhouse Gas

Erin creates GHG emission inventories and emission reduction plans; evaluates GHG emissions, conducts site visits, and assesses GHG emissions reporting programs. He checks and verifies the accuracy of calculations, and prepares and submits verification statements regarding GHG emissions.

Erin’s notable project experience is summarized below.

CARB, Lead Verifier

* 3 Phases Renewables1
* Aemetis
* Altamont
* Ampersand
* Anheuser Busch FF
* Anheuser Busch LA
* Avangrid Renewables1
* Shell Energy NA1
* Bolthouse Farms
* BPA – ACS1
* BPA – EPE1
* Brea Power
* Buena Vista Biomass
* CA DWR1
* Calgren Renewable
* California Paperboard
* California Power
* Campbell Soup
* Citigroup1
* City of Palo Alto
* City of Redding
* Collins Pines Company
* Coso BLM E&W3
* Coso Navy I3
* Coso Navy II3
* LACDS
* DG Fairhaven Power
* Dynegy
* FortiStar WC
* Genentech
* Houweling Tomatoes
* Humboldt Redwood
* IHI Chinese Station
* Ingredion
* Inland Energy
* Kiefer Landfill
* LAX
* Leprino Foods
* Loma Linda
* Los Angeles ISD Civic
* LAISD Patchness
* Marin Clean Energy1
* Merced Power
* Prima Deshecha Energy
* MM San Diego, LLC
* MM West Covina, LLC
* Musket1
* Newark Pacific
* Olam-Firebaugh
* Olam-Gilroy
* Olam-Lemoore
* Otay Landfill
* Procter & Gamble
* ProEnergy Unit1
* ProEnergy Unit2
* RCEA
* Redding EU – EPE1
* Rio Bravo Fresno
* Rio Bravo Rocklin
* Roseburg Forest Products
* Roseville Electric – EPE1
* Roseville, Energy Park
* Schlosser Forge
* SEI Fuel Services, Inc.1
* Sempra Generation1
* Solana Energy Alliance1
* Solar Turbines
* Southwest Gas3
* SPI Anderson
* SPI Burney
* SPI Lincoln
* SPI Quincy
* SPI Shasta Lake
* SPI Sonora
* Sycamore Energy, LLC1
* Targa
* The Energy Authority1
* Tomatek/Neil Jones
* Truckee Donner PUD1
* USS-POSCO
* Valley Electric Asso1

1 Verification includes electrical/fuel transactions.

2 Verification included process emissions (landfill, wastewater treatment, geothermal, or other process emissions).

3 Verification includes oil and gas emissions.

Specialized GHG Inventory Calculations. Completion of multi-year specialized GHG inventory calculations for multiple clients, including specialized facilities such as wastewater treatment for facilities, commercial, and industrial emissions (carbon dioxide, nitrous oxide, and methane).

In addition to the aforementioned projects and experience, Erin has worked on over 400 other GHG verifications under CARBs mandatory GHG reporting program and the California Climate Action Reserves protocol.

CARB, Lead Offset Verifier. He performed State of California cap on GHG emissions and market-based compliance mechanisms offset verification for livestock projects:

* Green Valley Dairy
* Brook View Dairy
* Pagel’s Ponderosa Dairy
* Sunny Knoll Dairy
* Vanderhyde Dairy
* British Petroleum (two dairy projects)
* Scenic View Dairy
* Homestead Dairy
* Fair Oaks Dairy

BioRam High-Hazard Fuel Verifications

* Rio Bravo Fresno (Southern California Edison)
* Rio Bravo Rocklin (Southern California Edison)
* Chinese Station (Southern California Edison)
* Wheelabrator (PG&E)
* Burney Forest Products (PG&E)
* Honey Lake Energy (SDG&E)

CARB Cap and Trade Consulting and Verification. Verification for livestock projects under CAR and CARB Cap and Trade Program. Assisting clients in finding CARB offset credits to purchase, or finding alternative ways to lower a facilities emission, Erin has helped companies navigate the Cap and Trade Program.

Air Permitting and Reporting

Annual Emissions Inventory Reporting. Annual emission reporting for numerous industrial facilities in California. These projects include calculating the annual emissions from criteria pollutants, hazardous air pollutants, volatile organic compounds, and site-specific air pollutants.

Air Quality and GHG Compliance Audits. Services provided for wastewater treatment plants, landfill sites, and other industrial operations.

Preparation of Permit-to-Construct/Operate Permit Applications for Emergency Generators. Permitting projects include multiple emergency engines for Quinn Company in the South Coast Air Quality Management District (SCAQMD).

Air Quality and GHG Analysis for Crystal Geyser, Mount Shasta. Analyzing project impact of the Crystal Geyser, Mount Shasta facility for CEQA document. This analysis process was part of a water bottling process and will included air quality, GHG, noise, and traffic impact analyses.

Title V and Non-Title V Permit Services. Preparation of Title V and Non-Title V permit and permit renewal applications and documentation for landfill sites. Erin has prepared permit applications and associated services for multiple clients in California and Tribal and/or EPA regions.

Toxic Release Inventory (TRI) Reporting and Services. Preparation of TRI inventories and reporting for chemical manufacturing facilities. Erin has conducted screening and inventory reviews, and has prepared and reported inventories for multiple clients in United States.

Semi-Annual Compliance Reporting. Project includes semi-annual compliance reporting and annual non-methane organic compound (NMOC) emission rate reporting for multiple landfill clients.

LCFS Verification and Validation

Erin has worked on LCFS related projects, which include providing validation services, calculating baseline emissions, looking at potential credit generation opportunities, and analyzing data sets from clients like Baker Commodities.

CEQA and NEPA Analyses

Erin provides technical support for NEPA and CEQA environmental documents, federal and local permitting actions, environmental compliance, and project management. He provides technical expertise in air quality, climate change, noise, and traffic. Projects on which Erin has provided technical support and/or permitting expertise are summarized below.

Planning and Development Projects

Vanden Meadows Residential Development, Fairfield, CA. Air quality, climate change, noise and traffic analysis for the preparation of an EIR for the Vanden Meadows Specific Plan and Development Project, located in Vacaville. Erin performed air quality modeling, determined project-related air quality and noise impacts, and developed air quality and noise mitigation plans. He interpreted the Traffic Impact Analysis and completed the traffic impact section of the EIR. He also modeled direct and indirect project-related criteria pollutants GHG emissions, determined project-related impacts, and developed emissions reduction plans.

Lake Natomas Waterfront and Trail Access Enhancement Project NEPA/CEQA Compliance, City of Folsom Parks and Recreation Department, Sacramento County, CA. Air quality, climate change, noise, public utilities, and traffic analysis for an IS/EA. Erin acted as the deputy project manager, performed air quality modeling, determined project-related air quality and noise impacts, developed air quality and noise mitigation plans. He interpreted the Traffic Impact Analysis and completed the traffic impact section of the EIR. He also modeled direct and indirect project related GHG emissions, determined project impacts, and developed a GHG emissions reduction plan.

San Benito River Greenway Trail IS/MND, City of Hollister, San Benito County, CA. Air quality, climate change, noise, and traffic analysis for a Mitigated Negative Declaration for the City of Hollister. Erin performed air quality modeling, determined project-related air quality and noise impacts, and developed air quality and noise mitigation plans. He also modeled direct and indirect project related GHG emissions, determined project impacts, and developed a GHG emissions reduction plan.

Fulcrum Mixed-use Infill Development, West Sacramento, CA. Air quality, climate change, noise, traffic, and health risk assessment for a Program EIR to analyze amendments to the City of West Sacramento’s Triangle Specific Plan. Erin performed air quality modeling, determined project-related air quality and noise impacts, and developed air quality and noise mitigation plans. He interpreted the Traffic Impact Analysis, and completed the traffic impact section of the EIR. He also modeled direct and indirect project related GHG emissions, determined project impacts, and developed a GHG emissions reduction plan. He conducted a health risk assessment using the Sacramento Municipal AQMD’s Major Roadway Protocols.

Peach Road Project. Air quality and GHG analysis for a zoning change. Potential impacts associated with the development of an 8.2-acre general light industry project. Erin performed air quality and GHG modeling and air quality and GHG analysis.

Infrastructure Projects

Placer County SMD EIR, Placer County, CA. Air quality, noise, and traffic analysis for the preparation of a CEQA compliance document analyzing impacts resulting from the proposed decommissioning of the wastewater treatment plant and construction of forced main sewer. Environmental issues included noise, odor, and traffic. Erin performed air quality modeling, performed noise monitoring, determined project-related air quality and noise impacts, and developed air quality and noise mitigation plans. He interpreted the Traffic Impact Analysis, and completed the traffic impact section of the EIR.

Easterly Wastewater Treatment Plant Expansion EIR, Elmira, CA. Air quality, noise, traffic, and assisted with wastewater analysis for the preparation of an EIR. Erin performed air quality modeling, performed noise monitoring, determined project-related air quality and noise impacts, and developed air quality and noise mitigation plans. He interpreted the traffic impact analysis, and completed the traffic impact section of the EIR.

Russian River Irrigation Reliability and Beneficial Reuse Project EIR, Guerneville CA. Erin performed air quality modeling, determined project-related air quality and noise impacts, and developed air quality and noise mitigation plans. He interpreted the Traffic Impact Analysis, and completed the traffic impact section of the EIR.

Hollister Reclaimed Water Irrigation Project EIR, Hollister, CA. Air quality and noise analysis for preparation of a Subsequent EIR to tier off an EIR prepared in 2006 for the Domestic Wastewater Improvements and Recycled Water Facility Project. Erin prepared and submitted an Authority to Construct/Permit to Operate application to the Monterey Bay Unified Air Pollution Control District for the project.

Hollister Municipal Airport Reclaimed Water Irrigation Project, Hollister, CA. Prepared air quality and noise analysis, including mitigation plans for preparation of NEPA Categorical Exclusion.

Ancil Hoffman Groundwater Extraction and Treatment Project MND, Rancho Cordova, CA. Prepared air quality, traffic, and noise analysis for preparation of a Mitigated Negative Declaration for project involving conversion of monitoring well to extraction wells and development of treatment facilities.

Lemon Street Channel Flood Reduction and Habitat Enhancement MND, Vallejo, CA. Prepared air quality and noise analysis, and provided assistance with water quality analysis for a Mitigated Negative Declaration. The project involved reconfiguration of storm drain system in a Vallejo urban area.

Pescadero Community Sewer Project MND, Pescadero, CA. Prepared air quality, noise, and climate change analyses for preparation of a Mitigated Negative Declaration for a project involving the replacement of septic systems with centralized treatment facility.

Landfill Projects

American Avenue Landfill, Air Permitting Action, County of Fresno, CA. Completed permit modification for landfill gas (LFG) flare, San Joaquin Valley Air Pollution Control District (SJVAPCD).

Geer Road Landfill, Stanislaus County, Title V Permit Renewal, County of Stanislaus, CA. Prepared and submitted Title V renewal for Geer Road Landfill, SJVAPCD

Geer Road Landfill, Notice of Violation, Stanislaus County, CA. Consultation with SJVAPCD to resolve notice of violation issues.

City of Paso Robles Landfill, landfill expansion, EIR, Paso Robles, CA. Air quality analysis for preparation of a subsequent EIR landfill expansion. The City of Paso Robles served as Lead Agency. Key environmental issues included air and water quality.

Ameresco, Chiquita Canyon Landfill Air Permitting Action, Castaic, CA. Completed permit application and best available control technology analysis of a landfill gas-to-energy (LFGTE) project in the SCAQMD for Ameresco Chiquita Energy, Inc. Project consisted of two LFG turbines with emissions control devices.

Cummings Road Landfill, Eureka Garbage Company- Nor-Cal Waste, Inc., Permit Action, Eureka, CA. Completed permitting of additional extraction wells to assist in the closure of the landfill. The application was submitted to the North Coast Unified Air Quality Management District (NCUAQMD). Responsibilities included review of Title V permit and discussion of permit conditions with the NCUAQMD; consulting with NCUAQMD to expedite application in light of permit conditions; preparation of the application; calculation of emissions inventory for landfill and control system; and review of Title V permit for consistence with federal rules and regulations.

Compliance Documents, California and Utah Landfills. Prepared Title V compliance reports for numerous landfills throughout California and Utah. Responsibilities included research, data analysis, emissions calculation, confirmation of data with client and field services, and document preparation.

Vineyard Projects

Suscol Mountain Vineyards Erosion Control Plan EIR, Napa County, CA. Air quality, traffic, and noise analysis for preparation of an EIR for the Suscol Mountain Vineyards Erosion Control Plan Application. The project is located in southeastern Napa County, CA.

Jasud Estate Vineyards Timberland Conversion Project EIR, Napa County, CA. Air quality, climate change, traffic, and noise analysis for preparation of an EIR for the Jasud Estate Vineyards Timberland Conversion Project, which includes the harvest of timberland and conversion to vineyard on a 38± acre property in Napa County, CA.

Circle S Ranch Vineyard, Napa County, CA. Air quality, climate change, traffic, and noise analysis for preparation of an EIR for the Circle S Ranch Erosion Control Plan Application project, located in Napa County, within a County-designated Sensitive Domestic Water Supply Drainage. The project proposes the development of 337 net acres of vineyard within 411 gross acres disturbed on the 1,593-acre Circle S Ranch.

Walt Ranch Erosion Control Plan EIR, Napa County, CA. Air quality, climate change, traffic, and noise analyses for preparation of an EIR Walt Ranch Erosion Control Plan Application project located in south-central Napa County, CA. The project proposes earthmoving activities on slopes greater than five percent in connection with the development of 397 net acres of vineyard within 538 gross acres disturbed on the approximately 2,300-acre Walt Ranch.

Transportation

Millerton Road MND/EA, Friant, CA. Noise, air, noise, and traffic analysis in support of a NEPA/CEQA environmental document. The project involved roadway widening of a rural road from two to four lanes along a 7.2-mile segment of Millerton Road in Fresno County.

Del Paso/I-80 Interchange Signalization Categorical Exclusion, City of Sacramento, CA. Noise, air, noise, and traffic analysis in support a combined Mitigated Negative Declaration/Environmental Assessment that would be needed to meet CEQA and NEPA requirements.