



Providing Expert Environmental Engineering and Scientific Solutions

Mission Statement

Serafina Technical Consulting provides accurate, detail oriented, and timely technical services with steadfast commitment to outstanding quality and client satisfaction.

Overview

Serafina Technical Consulting (Serafina), an environmental engineering firm, specializes in air quality consulting, community water systems assessment and planning, noise abatement, and environmental assessments. Serafina's team comprises former government employees with expertise in transportation related issues, environmental regulatory compliance, policy, database, permitting, computer programming, and environmental modeling studies.

Services

- Research, technical reports, and data analysis
- Air quality consulting services, statewide and area specific assessments, policy review
- Air toxics and hazardous pollutant assessment; point, area and fugitive emissions; green house gas emission inventories
- Air quality permitting, short and long range air pollutant dispersion modeling, Prevention of Significant Deterioration, Title V and New Source Review (NSR) permits, compliance determination and expert peer review
- Water quality assessments, permits, Clean Water Act (CWA) compliance, Compliance with U.S. Army Corps of Engineers (COE) requirements
- Community water quality assessments, engineering reports, Storm Water Pollution Prevention Plans (SWPPP), drainage analysis
- Traffic and industrial noise measurements, mobile source models, mobile source air toxics, and noise mitigation studies
- Database updates, maintenance, programming, software testing
- Environmental site assessments

NAICS Codes

- 541620 Environmental Consulting Services (primary)
- 541330 Environmental Engineering Services

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Serafina Technical Consulting, LLC

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Corporate Information

- Woman-owned business
- U.S. Small Business Administration (SBA) 8(a) Certified Firm
- HUB Zone Certified
- Certified Small Disadvantaged Business (SDB)
- Certified as a Disadvantaged Business Enterprise (DBE) by New Mexico, Texas, and Arizona Departments of Transportation (DOT)
- Central Contractor Registration (CCR) listed
- EIN: 20-5071068
- DUNS Number: 136800369
- CAGE code: 3JC19

Qualifications and Previous Work

Air Quality Consulting: Compliance, RAD-NESHAP, Permits, Modeling and Inventories

- USEPA Subcontractor to ERG to provide “Technical and Outreach Support Services for Domestic and Global Climate Initiatives and Global Climate Change Programs”
- USEPA Contract to provide backup support in water quality studies and air quality modeling for US EPA during national emergencies
- Sixteen years experience conducting statewide air pollutant emission inventories and updating USEPA databases
- New Mexico air pollutant emission inventory and air toxics emission inventory for health risk assessment study for the village of Corrales, NM
- Mercury release studies for NM Health Department and NM Environment Department
- Extensive database and programming expertise (Access, Excel, Oracle, FORTRAN, SQL and IBM mainframe) in database creation, maintenance, and data uploads
- Hazardous and air toxics specialists
- Prepared air quality permit applications for various industries including ethanol manufacturing facility, oil and natural gas facilities, sand and gravel operation, asphalt batch plants, forest product industry, foam manufacturing facilities, and concrete batch plants
- Conducted dispersion modeling analysis for numerous permit applications
- First hand knowledge of and experience in nationwide air quality permitting and compliance of power plants, natural gas processing, refineries, aggregate industry and coal bed methane development
- RAD-NESHAP modeling and air modeling protocol preparation for Los Alamos National Laboratory

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Peer Review and Research

- Pollutant analysis using Open Path Fourier Transform Infra Red Spectrometer (OP FTIR) and peer review of dispersion modeling reports, permit compliance and expert testimony
- USEPA peer review panelist
- Federally funded grants from NIH

Traffic Studies

- Air quality impact of mobile sources, traffic count and services, mobile source air toxics (MSAT), noise and environmental analysis of high profile NM corridors including I-25 and I-40
- State of AZ and NM noise mitigation analysis
- CWA, drainage, SWPPP and noise impact analysis and barrier design, for NM transportation projects

Water Quality Environmental and Engineering Analysis

- Conducted rural water systems assessments
- Water quality assessments, testing, site assessments, and mitigation
- Qualified to conduct water related database work for the New Mexico Office of the State Engineer
- Prepared SWPPP for private clients and government
- Pollution prevention plans

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