

C L E A N A I R



AIR SCIENCES INC.

DENVER • PORTLAND

The earth's future depends on it. A maze of environmental laws **demand it.** That's why **industries** across America are working hard to reduce **air pollution** at the source and to **control** its escape into the atmosphere.

AIR SCIENCES INC. provides comprehensive air quality **CONSULTING SERVICES** that **help our clients** meet the clean air challenge.



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**COMPLETE IN-HOUSE MONITORING,
PERMITTING AND ENGINEERING SERVICES**

**UP-TO-DATE KNOWLEDGE OF STATE AND
FEDERAL AIR POLLUTION REGULATIONS**

**PRODUCTIVE WORKING RELATIONSHIPS
WITH REGULATORY AGENCIES**

**SOLID UNDERSTANDING OF OUR CLIENTS'
INDUSTRIAL PROCESSES**

**EXPERTISE IN ALL ASPECTS OF AIR
POLLUTION CONTROL TECHNOLOGY**

**STRONG QUALITY ORIENTATION AND
COMMITMENT TO INTEGRITY**

**ADVANCED INSTRUMENTATION AND
INFORMATION SYSTEMS**

Air Sciences Inc. is an environmental consulting company focused exclusively on air quality issues. Founded in 1980, the firm provides a complete range of monitoring, permitting and engineering services to industrial clients.

Our ongoing objective is to help our clients achieve and maintain air quality compliance as quickly and cost- efficiently as possible.

Over the years, Air Sciences has earned a national reputation for our innovative, quality-oriented approach to solving air pollution problems. Our clientele includes some of the nation's leaders in mining, mineral refining, oil and gas, chemical formulation, manufacturing, engineering and power generation. We also provide services to air quality planning and land management agencies at the local, tribal, state, regional, and federal levels. Today they look to Air Sciences as their source for customized, cost-effective air quality consulting services. Indeed, repeat clients and referrals comprise the majority of our active projects...testimony to our commitment to provide consistent, high quality consulting to our clients.

"AIR SCIENCES BUILT A RAPPORT WITH THE LOCAL AIR DISTRICT BASED ON TRUST AND EXPERTISE.

THEY WORKED WITH SMC AND THE DISTRICT TO FIND A WAY FOR SMC TO MEET THE DISTRICT'S REGULATIONS AND TO OPERATE AN OPEN-PIT GOLD MINE WITHIN 300 FT. OF SMC'S NEAREST NEIGHBOR."

Carolyn V. Clark
Vice President
Sonora Mining Corporation



The Air Sciences Approach

Air Sciences is a small, dynamic, employee-owned company assisting industry in improving the environment through the balanced application of regulatory mandates. We strive to apply capital and labor resources efficiently to resolve air emission control and compliance issues without compromising our clients' legal requirements. To that end, we customize our services to best meet each project's needs.

Active throughout the United States and internationally, Air Sciences offers breadth and depth of air quality control expertise. Our experience in a wide range of industries and in a large number of regions is a valuable asset. It enables Air Sciences to understand the operating conditions and regulatory challenges that our clients face everyday. We are successful because we bring to each client's table our combined

knowledge of regulatory matters, air quality control engineering, and monitoring technologies. Air Sciences works with the client to develop specific air quality solutions that fit existing operations, complement current tracking and record-keeping systems and enhance facility-wide compliance.

Air Sciences is committed to providing exceptional service and individual attention to each of our clients. Our project managers are highly qualified technical experts who personally and promptly respond to client needs as they arise. We view client service as a matter of delivering the highest quality technical product on time and within budget.

The Right People and Resources

The Air Sciences' team of air quality professionals includes specialists in monitoring, process engineering, pollution control technology,

dispersion modeling, air chemistry and chemical engineering, forest ecology, and regulatory interpretation and application. While each member of the firm brings unique skills and strengths to the problem-solving process, all share a commitment to client satisfaction that is the hallmark of our service

approach. We continually strive for ready responsiveness, clear communication and impeccable follow-through. Our goal is to provide consulting services that exceed our clients' expectations.

At Air Sciences, each project is managed by one of the firm's senior experts for single-source accountability and smooth coordination. Working synergistically to serve our clients' best interests, our specialists often join forces to create new, value-added air quality solutions, drawing in additional outside resources as needed. Operating in an

environment of laws, regulations and negotiations, our staff also functions as an intermediary between industry and regulatory agencies.

Supported by our rigorous quality assurance program, our professional team utilizes innovative and high-tech monitoring techniques and instrumentation. We also provide technical and regulatory support for air quality planning efforts. Our scientists and engineers have developed ecosystem disturbance models, built spatially and temporally resolved regional emission inventories of fire, point, and area sources, and designed and evaluated large-scale dust mitigation measures. The products of this work assist our clients in addressing complicated, air basin-wide air pollution challenges.

"WE DON'T HAVE A FULL-TIME ENVIRONMENTAL SPECIALIST, SO I COUNT ON AIR SCIENCES TO HELP ME GET AND KEEP OUR OPERATIONS IN COMPLIANCE."

Lance McKissick
Manufacturing Engineer
Mastercraft, Inc.





Comprehensive Air Quality Services

PERMITTING AND COMPLIANCE

- Regulatory applicability
- Air quality compliance strategies
- Facility compliance audits
- Operating and construction permit applications
- Emission inventories and reports
- Communication and negotiation with permitting agencies
- Visibility degradation analyses
- Dispersion modeling (AERMOD, CALPUFF)
- Compile, prepare, execute, and visualize prediction meteorological data (MM5)
- Baseline conditions descriptions and impact assessments for EAs and EISs
- Expert testimony

MONITORING

- Collection and processing of air quality and meteorological data
- Training of site data collectors
- Visibility monitoring (IMPROVE)
- Monitoring programs for criteria pollutants, hazardous air pollutants, and meteorological parameters
- Auditing of ambient monitoring programs

ENGINEERING

- Best Available Control Technology (BACT) analyses
- Evaluation of emission control technologies
- Conceptual design of air pollution control systems
- Economic analyses of air pollution control systems

REGIONAL AIR QUALITY

- Regional emission inventories of fire, point, and area sources
- Ecosystem disturbance model development and execution (FETM)
- Air basin air quality assessments
- Design and evaluation of dust mitigation measures
- Technical support for criteria pollutant and regional haze implementation plans

We invite you to explore the Air Sciences approach to solving air quality challenges. Please visit our website at www.airsci.com or call us at (303) 988-2960 for more information or to arrange a personal meeting with key personnel.

“WE TRUST AIR SCIENCES TO HANDLE ALL OUR AIR WORK. I HAVE COMPLETE CONFIDENCE IN THEIR REGULATORY KNOWLEDGE AND NEGOTIATING SKILL.”

Jay Monroe
President
Thermo Industries



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