



Incorporated in 1982, Michael Brandman Associates (MBA) has provided thousands of public agencies and private development clients throughout California with environmental management services. Our disciplinary specialties include **environmental planning, regulatory compliance, natural resources management, cultural resources management, restoration planning & monitoring, air quality & climate change analysis, and water resources management.**

The MBA team possesses an intimate understanding of environmental regulations, laws, and compliance. Staff has hands-on experience managing complex projects with diverse challenges. As a testament to our skill level, MBA staff is regularly called upon to provide expert testimony & policy analysis, instruct at technical seminars, and lead conferences.

MBA AIR QUALITY TEAM

With over 80 years of combined senior air quality professional experience, MBA is at the leading edge of California air quality professionals. Our Air Quality Team includes senior members in each of our six offices who have experience in local government land-use & air quality planning, air emissions analysis, and health impact modeling. Two-thirds of the Air Quality Team has had experience as staff at local Air Districts. Our team provides a complete range of legally defensible air quality services to support California Environmental Quality Act (CEQA) and National Environmental Policy Act (NEPA) documents and air

We ensure our environmental documents contain thorough environmental analyses and explicit documentation of all data sources and research contacts. Our approach significantly reduces the potential for a legal challenge to be successful.

quality regulatory requirements for public agencies and the private sector.

AIR QUALITY ASSESSMENTS

MBA can provide the following services to support development projects:

- Produce legally defensible air quality sections for Environmental Impact Reports (EIR), Environmental Impact Statements (EIS), Negative Declarations, Mitigated Negative Declarations (MND), and Environmental Assessments (EA).
- Emissions inventory development.
- Develop mitigation strategies.
- Give expert testimony and peer review.
- Conduct general conformity analyses for federally-funded and tribal projects.



AIR QUALITY ELEMENTS

The MBA Air Quality Team is uniquely qualified to assist cities and counties in preparing Air Quality Elements and the analysis necessary to address air quality in General Plan Updates. Air quality is an optional General Plan element in most of California, except in the San Joaquin Valley where Assembly Bill 170 requires amendments to address air quality by June 30, 2009 in Fresno & Kern Counties, and June 30, 2010 in the other Valley counties. The bill requires cities & counties to amend appropriate elements of the General Plan to include data & analysis, goals, policies, and feasible implementation strategies to improve air quality. Although AB 170 is only applicable to the San Joaquin Valley, other cities & counties throughout the state are also preparing Air Quality Elements/Sections as part of General Plan Updates or as a standalone project to address health based air issues and greenhouse gas & climate change issues.

CLIMATE CHANGE

MBA's climate change experts are at the forefront in developing sound scientific regulatory assessments and strategies within the rapidly changing regulatory environment. We advise both government and private industry on greenhouse gas policies & methodologies and the impact that they have on the new carbon constrained business future. Our team applies proven energy, environmental, emission inventory, and regulatory expertise to the climate change challenges that face our clients over a spectrum of business sectors including general plans, industrial developments, and retail & commercial projects.

INDIRECT SOURCE REVIEW

An indirect source is any land use that generates or attracts vehicular activity, which results in pollutant emissions. A number of air districts within California have adopted, or are planning to adopt, air quality rules relating to the impacts of indirect sources. For example, the San Joaquin Valley Air Pollution Control District (SJVAPCD) requires certain development projects to submit Air Impact Assessment applications for emissions review and possible fees pursuant to their Rule 9510. MBA prepares preliminary fee estimates, Air Impact Assessment applications, mitigation packages, provides application management and integrates Rule 9510 into CEQA air quality studies.



HEALTH RISK ASSESSMENTS

Most regulatory agencies require that a health risk assessment be performed for projects involving the release of toxic air contaminants such as diesel particulate matter from diesel trucks, benzene from gasoline service stations, and “perc” from dry cleaners. Such projects include warehouse, large industrial facilities, roadways, mixed-use projects, and large retail/commercial projects. Our technical staff prepares the necessary assessment by quantifying toxic air emissions & resulting health risks at sensitive receptors using advanced toxic air emission & health risk assessment tools.



The Mission of MBA is to assist our clients in achieving the delicate, sometimes elusive, balance between environmental protection and development.

MBA is committed to providing excellent service, accurate research, thoughtful recommendations, and innovative solutions for the mutual success of our clients and our practice.

We believe our associates and their expertise are fundamental to this success and we are determined to create a business environment that is people-centered, providing the essential components for professional development and personal well-being.



Michael Brandman, Ph.D.

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**AIR QUALITY
CONSULTING SERVICES**