



MAUL
FOSTER
ALONGI



AIR QUALITY SERVICES

Who we are >

ENGINEERING, PLANNING, AND SCIENCE FOR OUR CLIENTS AND THE ENVIRONMENT

Maul Foster & Alongi, Inc. (MFA) provides engineering, environmental, and planning services; Geographic Information Systems and data analytics; health and safety consulting; and communication and public involvement services. Since our founding in 1996, MFA has grown to eight offices across three Pacific Northwest states. As a 100 percent employee-owned company, we attract highly motivated professionals who offer excellent service to help our clients succeed.

“Maul Foster & Alongi is a preeminent and trusted source for complex environmental and economic analysis for the timber industry. MFA’s work is consistently timely, accurate, credible, and within budget.”

—HEATH CURTISS, GENERAL COUNSEL,
DIRECTOR OF GOVERNMENT AFFAIRS,
OREGON FOREST & INDUSTRIES COUNCIL

What we do >



AIR QUALITY OVERVIEW

Air quality can be complex. The challenging regulatory environment and the need to design, install, and maintain engineering controls can distract from your core business. At MFA, our goal is to ensure the success of our clients. We do this by providing expertise and solutions so our clients can focus on the businesses they operate.

What we can
do for you >



EMISSIONS INVENTORIES

Estimating emissions is the first step in any air quality analysis—whether it is intended to help determine the applicability of a regulation, apply for a permit, design a control solution, or assess human health risk. Chemical mass balance, modeling, emissions testing, and point source and ambient monitoring programs are just a few of the techniques MFA relies on to estimate emissions from client sources when information is not publicly available.



PERMITTING

MFA assists clients with construction and operation permitting for new and existing sources of emissions. From simple, minor source permit modifications to major New Source Review permits, MFA assembles the project descriptions, emissions estimates, pollution control evaluations, dispersion modeling, and figures to prepare a complete application package for a timely permit.



DISPERSION MODELING

Air dispersion modeling is a core service offering, and our team members have extensive experience in developing the meteorological and topographical inputs used by air dispersion modeling. MFA staff are experienced with AERMOD, CALPUFF, ISCST3, and SCREEN3.

Advantages of using MFA include:

- Cluster computing—MFA models run on several machines in parallel to reduce processing time, providing clients with much faster results.
- GIS-based tools—MFA can demonstrate results interactively on satellite imagery.

“We have worked with MFA’s air quality team for well over a decade. Their work product is consistently excellent and always timely. A very professional group of people we can always count on to address our needs.”

—ELLEN PORTER, ENVIRONMENTAL MANAGER, ROSEBURG FOREST PRODUCTS



COMPLIANCE AUDITING & PLANNING

Maintaining compliance in an ever-changing regulatory environment can be challenging, particularly when there are staffing changes. MFA supports clients by conducting or participating in compliance audits, developing compliance task lists, and preparing five-year compliance calendars. Our industry experience and multimedia regulatory knowledge ensure a thorough evaluation of your compliance status.



HUMAN HEALTH RISK ASSESSMENTS

MFA's air quality staff assists facilities throughout the U.S. with detailed assessment of excess cancer risk and hazards to target organs. Our team uses a wide body of research to select appropriate risk factors and hazard quotients. Risk assessment results can be shown on an interactive satellite map so that clients can review locations around their facilities and quickly identify which sources and pollutants are contributing the most to the risk and hazard at that particular location.



POLLUTION CONTROL EVALUATION & ENGINEERING

MFA air quality engineers have conducted numerous control technology assessments, as well as control evaluations for general engineering and process needs. Our evaluations and support services include:

- Control equipment inspections and data review
- Lifetime economic analysis (cost per ton of pollutant controlled)
- Permanent total enclosure design and testing
- Determination of efficiency improvements
- Preparation of bid specifications





INDUSTRIAL VENTILATION ENGINEERING

MFA's design services effectively capture emissions and convey them away from works and the process environment to improve emission control and worker safety. Our industrial ventilation services include:

- Ventilation and process inspections and optimization
- Design of ventilation systems using AutoCAD and Solidworks
- Integration of existing systems to reduce costs
- Preparation of construction packages and bid specifications
- Verification testing of system performance



AIR QUALITY DUE DILIGENCE

Air quality regulations have evolved to a point where they can have serious consequences for clients looking at starting a new facility. MFA has assisted many clients with evaluations of potential facility locations to help identify those that offer the fastest path to permitting, the greatest opportunity for industrial growth (i.e., future increases in emissions), and the optimal setting for dispersion modeling.



ENFORCEMENT SUPPORT

MFA provides support for clients that may be facing enforcement actions. Our services include:

- Defense: demonstration of compliance
- Negotiation of enforcement conditions
- Expert testimony (reports, depositions, trial participation)
- Economic benefit model analysis
- Development of mitigation strategies and supplemental environmental projects



ODOR IMPACT EVALUATION & CONTROLS

MFA's air quality team is trained to conduct field observations with scentometers and to collect samples for analysis of odors. If an odor source is creating a problem, MFA's air quality engineers can evaluate and recommend odor-control solutions. Our team has worked on odor issues associated with sewage treatment, fish and other food processing, pressure treating, wood products, surface coating, and recycling centers.



LEARN MORE



VANCOUVER WA | SEATTLE WA | BELLINGHAM WA | SPOKANE WA | PORTLAND OR | BEND OR | LAKE OSWEGO OR | COEUR D'ALENE ID | KELLOGG ID

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