

STATEMENT OF QUALIFICATIONS

Air Quality Services



PROVIDENCE

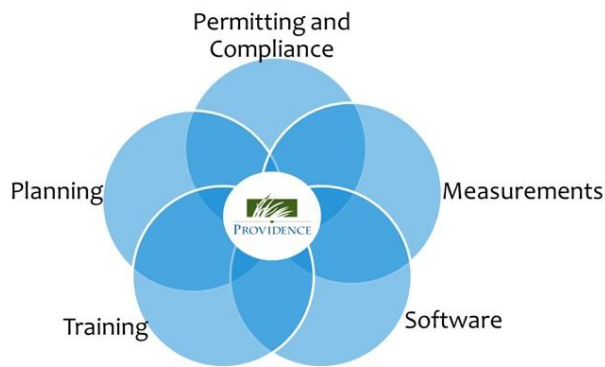
AIR QUALITY AND TECHNOLOGY SERVICES

Providence's air quality and technology division provides comprehensive services in the following areas:



Our ability to provide these services relies on the experience and skills of our people, allowing Providence to derive the synergies necessary to effectively and efficiently meet our clients' needs.

Services



Staff



Air Quality Permitting & Compliance

Providence's permitting and compliance services include New Source Review (NSR) and Title V permitting, air quality dispersion modeling, New Source Performance Standards (NSPS)/National Emission Standards for Hazardous Air Pollutants (NESHAP)/Maximum Achievable Control Technology (MACT) compliance support, greenhouse gas (GHG) management, emissions calculations and emissions inventories, pollution control device selection, design and

regulatory support, risk management plan development, air quality training, and litigation support. Providence provides comprehensive services related to pre-construction permitting and on-going compliance for new greenfield constructions or modifications of existing industrial operations. Our staff has expertise in all related areas including feasibility analysis, permitting strategies, compliance strategies, assistance related to enforcement actions, contested case hearings and litigation support on air quality matters.

Air Quality Measurements



Providence has established a reputation as one of the leading air quality measurement service providers in the nation. Ultimately, our offering of measurement services in one of the fastest growing regions of the country makes our air quality personnel some of the most knowledgeable professionals available. Providence provides turn-key ambient air quality measurement services, including installation of stationary, semi-mobile, and fully mobile air monitoring stations. Other monitoring services include stack test program development and Continuous Emission Monitoring Systems (CEMS) installation, operation, and maintenance. Providence's air quality measuring services further include emissions surveys using specialized leak detection equipment such as the Infrared Camera for fugitive and point source volatile organic compound (VOC) sources.

Air Quality Software Services

Providence offers a unique blend of regulatory and information technology expertise to provide a variety of software solutions related to environmental management information systems (EMIS). Our ability to combine our regulatory knowledge with software development and instrumentation expertise allows us to design custom software solutions to meet our clients' unique compliance and reporting needs related to air quality. Providence has used its Active & Intelligent Monitoring (AIM™) framework to develop a suite of applications related to various on-going compliance needs. These include the following:



- AIM for CEMS/Data Acquisition and Handling System (DAHS)
- AIM for Title V
- AIM for Compliance Management
- AIM for Maintenance Startup Shutdown (MSS) Emissions
- AIM for Ambient Monitoring
- AIM for Emissions Inventory

In addition to our AIM™ framework, we offer custom software solutions. Microsoft Office solutions include MS Access databases and MS Excel spreadsheets. Utilizing Visual Basic macros, we can provide data collection and notification features, as well as complex calculations and report formatting. Custom SharePoint-enabled forms and reports allow for highly customized applications matching existing workflows. These solutions can be deployed locally or hosted by Providence with guaranteed up-time and data security.



Providence/Oris specializes in providing a holistic solution for clients' air quality needs and is the home of the most efficient, effective, and powerful graphical user interfaces available for dispersion modeling, BEEST. This product line was custom-developed to match the environmental industry's unique needs. From accidental release to continuous release dispersion modeling, our software has the strength behind the punch to get the job done.

Air Quality Training

Providence/Oris offers the following training classes across the US and internationally. For information on our current offerings and training schedule, please visit www.oris-solutions.com.

US EPA Air Dispersion Modeling Program (AERMOD) Modeling for Permits
Advanced AERMOD
Screening tool for AERMOD (AERSCREEN)
Modeling for Non-Modelers/Managers



Advanced Leak Detection

Providence has developed and patented systems for automated hydrocarbon leak detection at industrial facilities that improve available infrared (IR) camera technologies. Our firm has performed a significant amount of research in this area to enhance the capabilities of the IR camera that is widely being used for leak detection. Providence has been instrumental in developing Third Generation Leak Detection and Repair (LDAR3) systems, which allow automation of leak detection using integrated IR camera systems at industrial facilities to enhance existing technology.

Air Quality Planning & Research

Providence offers a range of services in air quality planning and research. From straight forward analysis of ambient data, to unique and complex field measurement campaigns and emissions control strategy assessments, we can provide cost-efficient project design and on-target project management. Our clients receive practical reports and reliable results that help resolve complex air quality problems and satisfy legal requirements.

Providence's in-house air quality planning & research team includes highly experienced atmospheric scientists, licensed engineers, policy analysts, planners, programmers, and technicians with credentials and capabilities to match any project. We also partner with a select group of nationally-recognized researchers, analysts, and laboratories to utilize efficient, cutting-edge techniques and maximize our clients' investment.

Areas of expertise include: policy analysis and strategy development, transportation planning, air quality modeling and ambient data analysis, emission inventories and emission factors, atmospheric measurement and special monitoring studies, exposure assessment, along with optical sensing and imaging.

To learn more about Providence and its comprehensive services, please visit www.providenceeng.com.

PLANNING

Policy & Regulatory Analysis | Strategy Development |
Feasibility Analysis | Emission Factor Development |
Process Simulation | Emission Inventories



MODELING

Meteorological Data Processing | Emissions Quantification |
Building Downwash Analysis | Culpability Analysis |
Site Selection and Plant Location



PERMITTING

Control Technology Evaluation | Permit Application Preparation |
Regulatory Negotiation | Draft Permit Review |
Public Notice & Public Participation Process Support



MONITORING

Cooling Towers Sampling | IR Cameras |
Continuous Emission Monitoring System (CEMS)



COMPLIANCE MANAGEMENT

Categorical Exclusions | Environmental Assessments |
Environmental Impact Statements | Environmental Justice |
Public Outreach

