



POWER SECTOR

TYPES OF SUPPORT

Siting and permitting of new power projects including permitting strategy, developing emissions calculations and air dispersion modeling, air regulatory strategy and advocacy, climate and sustainability related services, compliance and reporting, source testing program support, litigation support, ambient pollutant and meteorology, CMS Implementation and compliance, digital solution solutions including strategy, planning, and implementation, health and safety, investigation and remediation, waste management, water quality permitting, and on-site EHS support.

WHY ALL4

The staff at ALL4 possesses extensive experience in the power sector, particularly in relation to coal and natural gas-fired power plants, off-shore wind power, and the full gamut of renewable energy projects. We cultivate enduring relationships with our clients in the power industry, as well as the industry organizations and legal firms that represent them, by understanding the regulatory and permitting challenges they face. Our commitment to delivering high-quality work products and strategic solutions to complex issues, coupled with our strong rapport with regulatory agencies at both state and federal levels, underscores our dedication to client success.

MEET A FEW OF OUR EXPERTS



Rich Hamel

Rich has 21 years experience in providing air quality consulting services, especially air dispersion modeling, permitting, and litigation support to projects in the power, oil & gas, chemical, metals, and manufacturing sectors. He has performed dozens of air modeling analyses and has worked closely with many state agencies and U.S. EPA in negotiating complex modeling approaches on behalf of clients in support of major capital projects. He maintains strong relationships with staff at U.S. EPA and state agencies, as well as industrial trade organizations and the law firms that support them, helping to streamline finding the solutions that help our industry partners and has assisted numerous trade organizations in developing comments on complex air quality regulations, and currently leads our Power Sector services team.



Aditya Shivkumar

Aditya is a Technical Manager with over 11 years of experience in air quality compliance. Aditya has provided consulting services to power generation and industrial clients across the United States.

His areas of expertise are In Continuous Monitoring Systems (CMS), air compliance auditing, regulatory applicability determination, and air compliance management.



Merritt McGlynn

Merritt has more than 20 years of experience in air quality consulting. She has provided consulting services for industrial clients across the United States, including power generation, pulp and paper manufacturing, chemical processing, petroleum refining, pharmaceuticals, and food and beverage. She has an extensive background in Title V permitting, New Source Review (NSR) permitting, minor source permitting, MACT compliance, and general compliance and reporting requirements. She has specialized in Air Program Compliance Management design, implementation, and maintenance; developing and presenting permit-based employee training; coordinating interdepartmental projects from conception to completion; and serving as an integral member of facility environmental staff on site.



Dan Dix

Dan has 22 years of air quality consulting experience. Many of the modeling studies were part of major New Source Review projects, while others involved air quality modeling to assess compliance with air toxics regulations or other state programs. He has directed and conducted air quality modeling studies that involve the U.S. EPA AERMOD air dispersion model and the approved CALPUFF modeling system. He has relied heavily on the use of Geographic Information System (GIS) and Surfer mapping software to aid in the presentation of air quality modeling results as well as to develop data for input into the air dispersion modeling systems. Mr. Dix is experienced in conducting quality assurance audits of meteorological monitoring systems. He has assisted with the installation and startup of systems utilizing Doppler SODAR and traditional tower mounted wind speed and direction measurements for facilities in mountainous terrain.



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ALL4's staff has provided full-service air quality and EHS consulting support to our power sector clients, including the following:

- Major and minor New Source Review (NSR) permitting including NSR application preparation and strategic Prevention of Significant Deterioration (PSD) and Nonattainment NSR (NNSR) avoidance strategies;
- Air dispersion modeling for compliance with state air toxics requirements, National Ambient Air Quality Standards (NAAQS), and PSD increment;
- Title V permitting and permit negotiation;
- Title V compliance tracking system development and implementation;
- Digital systems integration strategy, planning, and development, including data lake and reporting dashboard design and deployment
- Power Sector Maximum Achievable Control Technology (MACT) support for MATS;
- Boiler MACT implementation strategy, permitting, and compliance support;
- Information Collection Request (ICR) support;
- Emissions test program management;
- Compliance plans such as startup, shutdown and malfunction (SSM) plans, malfunction abatement plans, site specific monitoring plans, fuel sampling plans, QA/Quality Control (QC) plans, fugitive dust plans;
- Emissions inventories and fee reporting;
- Emissions reduction credits;
- Litigation support services and technical research to back public comments on state and federal rulemaking;
- Predictive noise modeling analyses using CadnaA and environmental sound level measurements
- State and Federal regulation interpretation and assessment;
- Meteorological and ambient air monitoring and reporting;
- National Pollution Discharge Elimination System (NPDES) permitting and compliance support;
- Permit and regulatory task management system configuration and development;
- Routine semi-annual and annual reporting [including Toxic Release Inventory (TRI) reporting, Mandatory Greenhouse Gas (GHG) reporting, MACT compliance reporting, and Title V compliance reporting];
- Climate change adaptation planning and carbon management services;
- Continuous Emissions Monitoring Systems (CEMS), Continuous Parametric Monitoring Systems (CPMS), and CMS data management;
- Sustainability planning and reporting;
- Due diligence, environmental site assessment, and post-acquisition integration;
- EHS auditing and management system development and auditing;
- Resource Conservation and Recovery Act (RCRA) waste management compliance support and reporting;
- Environmental emergency response plan development (Spill Prevention Control and Countermeasure (SPCC), Facility Response Plans (FRP), Integrated Contingency Plans (ICP), etc.);
- Stormwater permitting and compliance support (SWPPP);
- Emergency Planning and Community Right-to-Know (EPCRA) Tier I and Tier II compliance support;
- Comprehensive Environmental Response Compensation and Liability Act (CERCLA) reporting;
- OSHA planning, compliance, and reporting;
- EHS training programs;
- Risk Management Plan / Process Safety Management support;
- Implementation of Enterprise EHS&S data management platforms and applications;
- Data transformation and migration support services.