



CREDENTIALS

- ◆ **B.S., Aerospace and Mechanical Engineering, Princeton University, 1971**

PROFESSIONAL EXPERIENCE

- ◆ **2007-Present: ALL4 LLC., Kimberton, PA – Senior Consultant**
- ◆ **1994-2007: Pennsylvania Bureau of Air Quality Harrisburg, PA – Chief, Division of Permits**
- ◆ **1971-2007: Pennsylvania Department of Environmental Protection, Bureau of Air Quality**

TECHNICAL EXPERTISE

- ✓ Federal and state air quality regulations (including NSR, PSD, MACT, NSPS, NESHAP, CAM, RMP and State and Federal Emissions Trading Programs);
- ✓ New/modified source air permitting;
- ✓ Title V permitting;
- ✓ Compliance auditing;
- ✓ Compliance assurance monitoring and testing;
- ✓ Air program management;
- ✓ Air emissions inventory and emissions factor development;
- ✓ Air pollution control technology economic and technical feasibility review;
- ✓ Permitting of electric generation from emergency engines to combustion turbines
- ✓ Air emission inventory review for permitting and compliance;
- ✓ Regulatory development, and implementation for compliance and permitting;
- ✓ Development and execution of numerous regulatory training programs;
- ✓ Senior review of construction and operating permit applications;
- ✓ Senior review of control strategies for compliance and permitting purposes and Air Quality Expert Testimony.

PROFESSIONAL OVERVIEW

Mr. John Slade has more than 45 years of professional experience in various aspects of air quality management. He served for over 13 years as the Chief of the Air Quality Permitting Division for the Pennsylvania Department of Environmental Protection (PADEP). He has been a Senior Consultant for ALL4 for over 13 years.

Mr. Slade has significant air permitting experience related to both Title V and New Source Review (NSR). He was a lead developer of the Title V and Nonattainment NSR (NNSR) permitting programs for PADEP. The significant effort for both the Title V and NNSR permit programs involved extensive outreach to both the public and the regulated community to ensure that each program met both state and Federal requirements. He has co-presented NSR permit training sessions with U.S. EPA Region 3 for the Mid-Atlantic Regional Air Management Association (MARAMA) for state agency permitting staff. Mr. Slade has been involved in enforcement negotiation and assistance for clients who have received enforcement actions,

A key area of Mr. Slade's expertise is his vast experience working with major source permitting, NSR permitting applicability and permitting strategies to meet regulatory requirements and maximize operational flexibility, MACT and NSPS applicability determinations (such as for engines), compliance plans, air pollution control technology reviews, and performance testing for various emissions sources across a wide range of industries, including Department of Defense (DoD) facilities.

Since joining ALL4, Mr. Slade has worked for clients in many state jurisdictions, but has worked extensively in the mid-Atlantic Area including Pennsylvania, Virginia, the District of Columbia, Maryland, and Delaware. Mr. Slade's consulting has included private, public, and government clients.