



*WILLIAM STRAUB, P.E.*  
*PRINCIPAL CONSULTANT*

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**CREDENTIALS**

- ◆ B.S., Civil Engineering, Pennsylvania State University, 1990
- ◆ Registered Professional Engineer in PA, NC, and FL
- ◆ Certified Carbon Reduction Manager

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**PROFESSIONAL EXPERIENCE**

- ◆ **2002-Present:** All4 Inc., Kimberton, PA – Principal Consultant
- ◆ **1998-2002:** UAI Environmental, Inc., Reading, PA – Project Manager through Principal Consultant
- ◆ **1987-1998:** Roy F. Weston, Inc., West Chester, PA – Summer Intern through Project Manager

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**TECHNICAL EXPERTISE**

- ✓ Federal and multi-state regulatory expertise (including nonattainment NSR, PSD, PCP, MACT, NSPS, NESHAP, CAM, RMP, CFATS, EPCRA, and CERCLA);
- ✓ New/modified source air permitting;
- ✓ Workshops and Training related to NSR, PSD, MACT, NSPS, RMP, CFATS, SSM, Incinerator Operation, and Data Management;
- ✓ Climate Change and GHG consulting;
- ✓ Agency Inspection and Litigation support;
- ✓ Compliance monitoring techniques;
- ✓ Continuous monitoring system support;
- ✓ Air program management consulting and compliance auditing;
- ✓ Start-up, Shutdown, and Malfunction (SSM) Plan development and implementation;
- ✓ Air pollution control technology economic and technical feasibility review;
- ✓ Strategic business plan review for environmental considerations
- ✓ Air emission inventory development and database software development and management; and
- ✓ Electronic data reduction and quality assurance (QA) of source emission results/estimations.

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**PROFESSIONAL OVERVIEW**

*Mr. William Straub, one of the founding Principals of All4 Inc., has more than 29 years of professional experience that encompasses many aspects of the consulting industry with an emphasis on air quality. Mr. Straub has significant air permitting experience related to NSR, Title V, NSPS, MACT, and RMP. He has managed the development of Title V permit applications in nineteen states for a wide array of clients including large Department of Defense installations as well as complex industrial manufacturing facilities. Most recently, he has focused on growing the ALL4 brand and expanding into new geographical areas.*

*Mr. Straub's NSR permitting experience includes numerous high-profile, major projects in the pulp and paper and power industry sectors. By assisting facilities to evaluate and permit key expansion projects, Mr. Straub's experience aligns with All4 Inc.'s mission to specialize in finding innovative approaches to assist clients with permitting and facility upgrades and modifications. Ultimately, this provides our clients with competitive advantages in their respective industries. Mr. Straub has also developed and presented several NSR workshops for multiple clients.*

*Another key area of expertise of Mr. Straub's is his program management experience. Mr. Straub has served as Program Manager for several large environmental programs for various industrial clients including the implementation of NSPS, Title V, RMP, CFATS, and EPCRA programs. These activities included program management, executive management coordination/training, agency interaction, public outreach, permit application development, permit negotiation, recordkeeping/reporting system implementation and management, environmental/operations personnel training, and auditing. Mr. Straub's most recent area of technical focus has been with continuous monitoring systems (both pollutant and parametric monitoring). Mr. Straub is providing strategy on the sampling, collection, processing, review, and reporting of electronic data for the purpose of compliance demonstration.*

*Throughout his professional career, Mr. Straub has demonstrated an ability to recognize and implement data management and automation concepts into a wide range of air quality data management and permitting applications, thereby minimizing the impact of air quality permitting and compliance demonstration requirements on daily operations. Mr. Straub has developed several customized database applications to calculate and manage emissions inventories, applicable regulatory requirements, compliance tracking and other related environmental program issues.*