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**CREDENTIALS**

- ◆ *B.S., Environmental Resource Management, Pennsylvania State University, 1981*
- ◆ *Pennsylvania Independent Oil and Gas Association (PIOGA) Environmental Committee, Co-Chair Air Quality Subcommittee*
- ◆ *Air and Waste Management Association (AWMA)*

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**PROFESSIONAL EXPERIENCE**

- ◆ **2004-Present:** *All4 LLC., Kimberton, PA – Senior Consultant*
- ◆ **1998-2004:** *UAI Environmental, Inc., Reading, PA – Vice President and Principal Consultant*
- ◆ **1986-1998:** *Roy F. Weston, Inc., West Chester, PA – Project Manager*
- ◆ **1985-1986:** *General Battery Corporation, Reading, PA – Reading Smelter, ES & H Manager*
- ◆ **1981-1985:** *General Battery Corporation, Reading, PA – Corporate Air Monitoring Group Leader*

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**TECHNICAL EXPERTISE**

- ✓ *State and Federal air permitting programs including Nonattainment NSR, PSD, and Title V;*
- ✓ *Assisting industrial clients in developing compliance strategies for new and existing rules such as MACT, RACT, NSPS, NESHAP, CAM, BART, etc.;*
- ✓ *Assisting industrial clients procure innovative construction/operating permits including Plantwide Applicability Limits (PALs);*
- ✓ *Inhalation Risk Assessment Evaluations;*
- ✓ *Environmental audit planning/participation;*
- ✓ *Air pollution control technology economic and technical feasibility review;*
- ✓ *Greenhouse Gas (GHG) Monitoring and Reporting;*
- ✓ *Permitting the use of Non-hazardous secondary materials as fuels;*
- ✓ *Agency inspection /litigation support; and*
- ✓ *Providing senior-level air quality expertise to several industrial sectors including the cement industry, oil and gas industry, iron and steel industry, and vehicle manufacturing industry;*
- ✓ *Advocacy for the PA Oil and Gas Industry.*

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**PROFESSIONAL OVERVIEW**

*Mr. Rakiewicz, a Senior Consultant with All4 Inc., possesses more than 38 years of combined environmental management experience, 33 of which were dedicated to air quality management. Mr. Rakiewicz has industrial environmental management experience holding several corporate and facility level positions during his 5 years at General Battery Corporation (now Exide Corporation). Since 1986, he has worked as a consultant primarily focused on assisting industrial clients in understanding and operating within the complex Federal and state air quality regulatory requirements.*

*Mr. Rakiewicz specializes in the permitting of complex new source review (NSR) and NSR avoidance projects across many industrial sectors including, pharmaceutical, power generation, oil and gas production, automobile and light duty truck manufacturing, lead acid battery manufacturing, secondary lead smelting, iron and steel production, petroleum refining, and Portland cement manufacturing. Such projects can include establishing lowest achievable emission rate (LAER) and procuring emissions offsets for projects triggering major nonattainment new source review (NNSR) requirements and establishing best available technology (BACT) and air quality dispersion modeling for projects triggering prevention of significant deterioration (PSD). For NSR avoidance projects, developing project strategies such as overcontrol and the strategic use of NSR applicability techniques are used to avoid major NSR without constraining permit flexibility. He has also successfully led the development of multiple Plantwide Applicability Limit (PAL) permits in several industrial sectors.*