



**CREDENTIALS**

- ◆ *B.S., Chemistry, Lock Haven University, 1997*
- ◆ *40-Hour Hazardous Waste Site Training Course, OSHA 29 CR 1910.120(e)(3)*
- ◆ *8-Hour Hazardous Waste Refresher Course, OSHA 29 CR 1910.120(e)(8)*
- ◆ *New Miner Training Course, MSHA 30 CFR Part 46*
- ◆ *Source Evaluation Society (SES)*

**PROFESSIONAL EXPERIENCE**

- ◆ **2002-Present:** *All4 LLC, Kimberton, PA – Technical Director*
- ◆ **1999-2002:** *Weston Solutions, Inc. (formerly Roy F. Weston, Inc.), West Chester, PA – Chemist*
- **1996-1998:** *Croda, Inc., Mill Hall, PA – Process Development Chemist*

**TECHNICAL EXPERTISE**

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| <ul style="list-style-type: none"><li>✓ <i>Refinery Sector Rule (RSR) Monitoring Program Implementation</i></li><li>✓ <i>Compliance Auditing</i></li><li>✓ <i>Monitoring system QA/QC Plan development and implementation;</i></li><li>✓ <i>Air emissions performance testing in accordance with 40 CFR Part 60 and Part 75;</i></li><li>✓ <i>40 CFR Part 60 and Part 75 continuous emissions monitoring (CEM) system operation, implementation, and troubleshooting;</i></li></ul> | <ul style="list-style-type: none"><li>✓ <i>Air pollution control technology economic and technical feasibility review;</i></li><li>✓ <i>Electronic data reduction and quality assurance (QA) of source emission results/estimations,</i></li><li>✓ <i>Development and execution of software training program Compliance Assurance Monitoring (CAM) Plan development and implementation;</i></li><li>✓ <i>New/modified source air permitting;</i></li><li>✓ <i>Compliance auditing;</i></li><li>✓ <i>Air program management consulting and</i></li><li>✓ <i>Compliance monitoring techniques.</i></li></ul> |
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**PROFESSIONAL OVERVIEW**

*Mr. Eric Swisher possesses more than 20 years of experience in the air quality consulting field. Mr. Swisher's experience enables him to be as comfortable working in a laboratory-type environment as he is working on a client's job-site. Mr. Swisher possesses a unique combination of skills that link various aspects of air quality management. Mr. Swisher has worked in the emissions testing field, encompassing broad experience with continuous monitoring systems (CMS), and is also well versed in the regulatory basis for testing and monitoring. This experience allows Mr. Swisher to bridge the gap between a source's permitting requirements and the day-to-day execution of the compliance monitoring and testing programs. Mr. Swisher currently serves as the senior technical lead for ALL4's CMS Technical Team responsible for implementing strategic monitoring programs, training, audits, and ongoing compliance support. Over the last 6 years, Mr. Swisher has been primarily working with the refinery and chemical sector in implementing flare monitoring solutions (both the hardware and the software).*

*Prior to joining All4 LLC, Mr. Swisher worked at Weston Solutions, Inc. where his primary areas of expertise included emission testing [manual methods, instrumental methods (CEM), data reduction and quality assurance; gas chromatographs (EPA Method 18)] and Fourier Transform Infrared Spectroscopy (FTIR). Mr. Swisher has extensive experience separating, identifying, and quantifying pollutants with gas chromatography, as well as data reduction and various emission calculations. He is competent with various instrumental analyzers including O<sub>2</sub>/CO<sub>2</sub>, CO, NO<sub>x</sub>, SO<sub>2</sub>, PM, HCl, Hg, Opacity, and THC analyzers. He is also familiar with a variety of emission control devices such as regenerative thermal oxidizers, selective catalytic and non-catalytic reduction, catalytic oxidizers, carbon absorbers, etc.*

*He has also formed key relationships with local, state, and Federal enforcement agencies that allow ALL4 to efficiently and effectively work within the framework of the current regulations governing air emissions.*