



ERIC SWISHER
SENIOR TECHNICAL MANAGER

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 – Senior Technical Manager*
- ◆ **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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| ✓ <i>Refinery Sector Rule (RSR) Monitoring Program Implementation</i> | ✓ <i>Air pollution control technology economic and technical feasibility review;</i> |
| ✓ <i>Monitoring system QA/QC Plan development and implementation;</i> | ✓ <i>Electronic data reduction and quality assurance (QA) of source emission results/estimations,</i> |
| ✓ <i>Air emissions performance testing in accordance with 40 CFR Part 60 and Part 75;</i> | ✓ <i>Development and execution of software training program Compliance Assurance Monitoring (CAM) Plan development and implementation;</i> |
| ✓ <i>40 CFR Part 60 and Part 75 continuous emissions monitoring (CEM) system operation, implementation, and troubleshooting;</i> | ✓ <i>New/modified source air permitting;</i> |
| | ✓ <i>Compliance auditing;</i> |
| | ✓ <i>Air program management consulting and</i> |
| | ✓ <i>Compliance monitoring techniques.</i> |

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 CEM systems, 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.

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 O₂/CO₂, CO, NO_x, SO₂, 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.

As a Process Development Chemist at Croda, Inc., Mr. Swisher was responsible for the development of procedures for lab-scale and pilot plant production of various surfactants, producing pharmaceutical intermediates and super-refined oils implementing current Good Manufacturing Procedures (GMP) standards and developing alternate procedures for refining oils.

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.