



CREDENTIALS

- ♦ *B. S., Environmental Studies, (Minor in Mathematics), Southern Vermont College, 2002*
- ♦ *MapInfo Training (2003)*
- ♦ *AERMOD Training (2007)*
- ♦ *TRC CALPUFF Training (2009)*
- ♦ *Air and Waste Management Association (AWMA)*
- ♦ *New Miner Training Course, MSHA 30 CFR Part 46*

PROFESSIONAL EXPERIENCE

- ♦ **2003-Present:** *ALL4, Kimberton, PA – Technical Director*
- ♦ **May 2002-August 2002:** *UAI Environmental Group, Coatesville, PA – Engineer/Scientist I*

TECHNICAL EXPERTISE

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| <ul style="list-style-type: none">✓ <i>Air quality dispersion modeling studies to support PSD, air toxics, and other air quality related permitting programs which include the use of the AERMOD and CALPUFF modeling systems as well as AERSCREEN, ISCST3, CTDMPUS, and CTSCREEN, modeling systems;</i>✓ <i>New/modified source air permitting;</i>✓ <i>Federal and state air quality regulations including NSR, PSD, MACT, NSPS, NESHAP, and RMP;</i>✓ <i>Ambient pollutant and meteorological quality assurance project plan (QAPP) development;</i> | <ul style="list-style-type: none">✓ <i>Ambient pollutant and meteorological monitoring design, system installations, equipment calibrations, data quality assurance, and maintenance;</i>✓ <i>Geographic Information System (GIS) software used to support air quality modeling studies;</i>✓ <i>Regional Haze Analyses conducted using the CALPUFF modeling system to evaluate Best Available Retro-Fit Technology (BART) requirements for a variety of sources, and;</i>✓ <i>Class I Air Quality Related Values (AQRV) analyses.</i> |
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PROFESSIONAL OVERVIEW

Mr. Dan Dix possesses over 18 years of air quality consulting experience focusing on air dispersion modeling and ambient meteorological and pollutant monitoring. Mr. Dix has worked with a variety of clients including pulp and paper, refineries, cement, power, lead acid battery manufacturing in multiple states. Many of the air quality modeling studies were part of major New Source Review projects, while others involved air quality modeling to assess compliance with air toxics regulations or other state programs. Mr. Dix has directed and conducted air quality modeling studies that involve the U.S. EPA AERMOD air dispersion model and has experience with all of U.S. EPA's current Appendix A air dispersion models.

Mr. Dix is has directed and conducted the design, installation, calibration, and data quality assurance of ambient pollutant and meteorological monitoring systems. He has assisted with the installation and startup of systems utilizing Doppler SODAR and traditional tower mounted wind speed and direction measurements for facilities in mountainous terrain. In addition, he has assisted with the installation and operation of State and Local Monitoring Systems (SLAMS) to assess the National Ambient Air Quality Standards (NAAQS).

As ALL4's RegTech Air Quality Modeling Knowledge Area leader Mr. Dix follows the development and potential impacts of air quality modeling related regulations and advancements in air dispersion sciences.