ALL4

CREDENTIALS	
	◆ M.S. Atmospheric Sciences, Texas A&M University, 2013
	◆ B.S. Environmental Science, University of Delaware, 2011
	◆ American Meteorological Society (AMS)
	◆ Air & Waste Management Association (AWMA)

PROFESSIONAL EXPERIENCE	
	◆ 2019-Present: ALL4 LLC, Kimberton, PA – Project Manager
	◆ 2016-2019: All4 Inc., Kimberton, PA – Consulting Scientist
	◆ 2015-2016: All4 Inc., Kimberton, PA – Project Scientist
	◆ 2014-2015: All4 Inc., Kimberton, PA – Staff Scientist

TECHNICAL EXPERTISE

- ✓ Air Dispersion Modelling using AERMOD
- ✓ State and Federal air permit programs including Title V and construction applications
- ✓ Continuous, ambient meteorological monitoring
- ✓ State annual emissions reporting
- ✓ Continuous monitoring systems (CMS)

- ✓ Emissions calculations
- ✓ Emissions tracking
- ✓ NSR/PSD Permit Support
- ✓ Best Available Control Technologies (BACT) Analysis
- ✓ State of the Art (SOTA) Analysis
- ✓ Annual/Semi Annual Compliance Reporting

PROFESSIONAL OVERVIEW

Mrs. Amanda Essner (formerly Miss DePasquale) is a Project Manager with experience in air quality permitting and compliance. She has assisted with new Title V applications, Title V renewal applications, Title V revision applications, facility construction permit applications, and the development of facility emissions inventories. She has aided facilities with annual emissions reporting in various states, focusing on facilities in Pennsylvania, New Jersey, and Delaware. Mrs. Essner also has extensive experience with air quality dispersion modeling using AERMOD. These applications range from PSD permitting, to air toxics modeling, to re-entrainment evaluations. Her atmospheric science background has caused her to get involved with the ambient meteorological monitoring and data acquisition projects at ALL4, including ordering, setting up, auditing, and breaking down systems. Mrs. Essner takes pride in her knowledge and experience of air dispersion modeling and meteorological and ambient monitoring, and is always ready to provide her insights and expertise to any projects that arise.

Mrs. Essner is also heavily involved in the CMS work at ALL4. Her experience includes quarterly and semi-annual review and reconciliation of data, initial certification and ongoing quality assurance, development of quality assurance plans, and audits of data acquisition and handling systems. She has even developed and presented internal and external CMS training to staff, regulators, and clients. In addition, she developed ALL4's EDR-E tool, which evaluates quarterly submittal files to assess potential penalties and can be used as a tool for CMS data reconciliation and quality assurance.