



CREDENTIALS

- ◆ *B.S., Chemical Engineering, The Pennsylvania State University, 2018*

PROFESSIONAL EXPERIENCE

- ◆ **April 2020 – Present:** ALL4 LLC, Kimberton, PA – Consulting Engineer
- ◆ **April 2019 – April 2020:** ALL4 LLC, Kimberton, PA – Project Engineer
- ◆ **June 2018 – April 2019:** ALL4 LLC., Kimberton, PA – Staff Engineer
- ◆ **May 2017 – August 2017:** Herculite Products, Emigsville, PA – Innovation Engineering Intern

TECHNICAL EXPERTISE

- ✓ *State and Federal air permit programs including Nonattainment NSR, PSD, Title V, construction permit applications*
- ✓ *Air emissions inventory development and submissions*
- ✓ *Annual/semiannual compliance and emissions reporting*
- ✓ *Continuous monitoring systems (CMS) data reconciliation, system audits, quarterly and semiannual reporting*
- ✓ *CMS Quality Assurance Plan (QAP), Site-Specific Monitoring Plan (SSMP), and MACT CC Continuous Parameter Monitoring System (CPMS) Monitoring Plan development*
- ✓ *Data Acquisition and Handling Systems (DAHS) implementation and verification*
- ✓ *ESC StackVision, RegPerfect, and VIM CEMLink 6 Software experience*

PROFESSIONAL OVERVIEW

Ms. Katie Fritz is a Consulting Engineer at ALL4 and has experience in several air quality permitting and compliance areas. She has displayed a high level of attention to detail, is a quick learner, and has the ability to successfully work with diverse teams. She is a member of the Continuous Monitoring Systems (CMS) Tech Team at ALL4 with her primary focus on assisting clients in all things CMS. Her CMS experience includes data evaluation, reconciliation, and periodic reporting; initial CMS certification and ongoing quality assurance; development and review of quality assurance plans (QAPs), continuous parameter monitoring system (CPMS) monitoring plans, and site-specific monitoring plans (SSMPs); audits of data acquisition and handling system (DAHS); DAHS implementation support; and internal and external CMS training. Ms. Fritz also has extensive experience with CMS work in Pennsylvania and has assisted clients with all phases of CMS certification and reporting through the Pennsylvania Department of Environmental Protection (PADEP) Continuous Emission Monitoring Data Processing System (CEMDPS).

Ms. Fritz has assisted with preparation of Title V Operating Permits (TVOP), Synthetic Minor Operating Permits (SMOP), emissions inventory development, construction permit applications, periodic compliance reporting, New Source Review (NSR) and Prevention of Significant Deterioration (PSD) permitting, and Toxic Release Inventories (TRI).

Ms. Fritz has participated on numerous project teams, dealing with industries including power generation, petroleum refining, oil and gas upstream and midstream operations, lead-acid battery manufacturing, pulp and paper mills, food manufacturing, internal combustion engines (ICE), and glass manufacturing in various states