



AIR QUALITY SERVICES

SynTerra approaches air permit issues by considering how employees can easily monitor the process. We strive to develop permit applications that address the issues of flexibility and operability. Our experience is that manufacturing plants want their processes to have as little environmental impact as possible, be cost effective, and minimize required labor. By addressing the process controls required to monitor environmental effectiveness, we identify the best ways to monitor the process conditions and minimize the amount of human intervention, while also allowing for planned future growth. SynTerra services to help manage the challenge include:

Operating Permits

- Title V Permit Applications
- State Permit Applications
- Major & Minor Source Assessments
- Operating Flexibility Strategy
- Monitoring and Recordkeeping Plans
- Regulatory Audits
- Agency Negotiations

Air Toxic Impact Evaluations

- Toxics Emission Rate Calculations
- Source Characterization
- Dispersion Modeling
- MACT Recommendations

Emission Inventories

- Criteria and Toxic Emission Rates
- Mass Balance Calculations
- Pollutant Identification
- Significant Source Evaluation
- Potential to Emit Calculations



Dispersion Modeling Studies

- Criteria and Toxic Impacts Evaluation
- Stack Height/Location Strategy
- Modeling Protocol Preparation
- Building Wake Effects
- Complex Terrain

Source Testing

- Preparation of Source Test Plans
- Test Method Development
- Coordination of Stack and Fugitive Testing Efforts
- Installation and Set-up of Ambient Air Monitoring Systems

Clean Air regulations are impacting thousands of facilities. Poorly written operating permit applications can result in undesirable or restrictive permit limits. The data submitted in the application will be used for permit conditions and for compliance demonstrations.

A thorough understanding of the current and proposed regulations is essential for maintaining compliance and operating flexibility. SynTerra can assist you with interpreting the constantly changing and complicated regulations. Our team of engineers can guide you through each step of the process including upcoming regulations and how they may impact your facility.

SynTerra prides itself on delivering quality, cost-effective solutions to air quality issues.