



Clean Air regulations impact thousands of facilities. The information you submit in an application shapes permit conditions and requirements for compliance demonstrations. Poorly written construction or operating permit applications can have unnecessary, undesirable, and restrictive results. A partner with regulatory knowledge and application experience can make all the difference.



# Flexibility and operability should be the focus of permit applications.

A thorough understanding of current and proposed regulations is essential. SynTerra can help you interpret the constantly changing and increasingly complicated regulations. Our team of engineers can guide you through each step of the process, including upcoming regulations and how they may affect your facility.

We strive to develop permit applications that address the issues of flexibility and operability. 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.

## Operating Permits

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

## Emission Inventories

- Criteria, Toxic, and Greenhouse Gas 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

## Air Toxic Impact Evaluations

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

## 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

