



Manufacturers face a multitude of challenges related to regulatory compliance, cost containment, and time constraints. Additionally, there often are public concerns about the affects of facility operations on the community. The ideal partner can help you navigate the diverse challenges and gain a competitive edge.

A competitive edge is contingent on operational flexibility.

Maximum operational flexibility is a must for manufacturers trying to meet customer demands in a highly competitive and regulated industry. Maintaining a competitive edge requires a thorough understanding of regulatory requirements, permitting programs, and cost-optimized compliance methods, as well as a focus on sustainability.

SynTerra's team includes engineers and scientists who have spent years working for manufacturing companies - facing regulatory hurdles that reduce plant productivity. We understand the manufacturing process and the constraints imposed by regulations and requirements. We have the expertise to untangle complex regulations and provide a strategy and tactical plan to achieve company objectives. We can assist with cost-effective compliance program development, implementation, and improvement to minimize staff effort and risk.

Permits

- Construction and operating (Title V) permits for air emissions
- Air dispersion modeling
- Wastewater construction, NPDES or pretreatment discharge permits
- Stormwater discharge permit
- Vehicle wash water discharge permit
- MACT compliance recommendations

Regulatory Assessment and Process Optimization Plans

- Storm Water Pollution Prevention Plan (SWPPP)
- Spill Prevention, Control and Countermeasure (SPCC) plan
- Startup, Shutdown, Malfunction (SSM) plan
- Monitoring and recordkeeping plans
- Emergency response plan
- Hazardous waste contingency plan
- Facility response plans
- Fugitive dust control plans
- Oil discharge contingency plans

Environmental Compliance and Management

- ISO 14001
- ERA Environmental Management Software
- Toxic Substances Control Act
- Process safety management
- Multi-media compliance audits
- Pollution prevention
- Waste reduction studies
- Tier II reporting
- TRI reporting

Civil / Site Design

- New facilities / expansions
- Parking / logistics areas
- Site circulation
- Utilities / stormwater management
- Structural design
- NPDES construction permitting
- Industrial wastewater pretreatment
- Air emissions control

Source Testing and Performance Testing

- Preparation of test plans
- Test method development
- Transfer efficiency
- Capture efficiency for VOC
- Destruction / Removal efficiency for VOC
- Coordination of stack and fugitive testing efforts
- Agency negotiations
- Treatment system evaluations and life cycle analysis
- Treatment system shutdown
- Wastewater and stormwater monitoring, recording and record-keeping
- Facility, AST and secondary containment inspections

