

## Air Quality Services

### **Permitting**

- Title V Permit Preparation
- Expedited Minor Source Permits
- Operator Liaison for Agency Negotiations
- Long-Term Permit Maintenance
- Compliance Evaluation
- Maximum Achievable Control Technology (MACT) Evaluation & Permitting



*Central Compressor Facility*

### **Emissions Inventories & Evaluations**

- U.S. EPA Standard Methods
- Air Toxics Emission Factors
- Emission Evaluations
- Emission Reduction Credit Banking & Trading

### **Emission Control Technology**

- System Design & Equipment Specifications
- Best Available Control Technology (BACT) Evaluations
- Lowest Achievable Emission Rate (LAER)
- Evaluations Feasibility Studies

### **Training Workshops**

- In-house Air Quality Training
- Site-specific course on emission issues and compliance
- Briefings on Air Quality Regulations
- Risk Management Plan Seminars
- Title V Permit Workshops

### **Ambient Air Quality Monitoring**

- Source Testing & Screening
- Design and Implementation of Baseline Monitoring

### **Risk Assessment**

- Exposure Analyses
- Toxicity Analyses
- Risk Characterization Assessments
- Risk Reduction and Mitigation Methods
- Risk Management Plans

### **Dispersion Modeling**

- Meteorological Data Evaluations
- Visibility Modeling
- Acid Deposition Modeling
- Impact Analyses

### **Regulatory and Compliance**

#### **Support**

- Air Quality Assessments for EA's and EIS'
- NEPA-Compliant Impact Analyses
- Operator- Agency Coordination/Liaison
- Audits
- Compliance Tracking

## AIR QUALITY SERVICE

One of Kleinfelder / Buys & Associates' primary areas of expertise is developing and implementing cost-effective and reasonable solutions for air quality issues. Providing practical solutions for compliance requirements, air pollution abatement and planning-related issues are the foundation of our air quality service philosophy. Our goal is to operate as efficient and effective problem-solvers by working closely with regulatory agencies to establish a clear understanding of our clients' needs, concerns and constraints.

## SERVICE OVERVIEW

The Kleinfelder / B&A Air Quality Team provides a full range of air quality services, from estimating emissions to designing and implementing emission reduction technologies. Specifically, our air quality services include: permitting; emissions inventories and evaluations; ambient air quality monitoring and dispersion modeling; risk assessments, emission control technology; and regulatory and compliance support. We are also available to conduct a wide variety of training seminars and workshops.

## SELECTED AIR QUALITY PROJECTS:

### **Confidential Client: Oil and Gas Production Company Fort Worth, TX**

Performed an environmental audit that revealed a 1,600 horsepower natural gas compression facility operating without required air emission construction and operation permits and no BACT analysis for engines and dehydration units.

Kleinfelder/B&A evaluated the facility emissions and submitted construction and operating permits. Subsequently, Kleinfelder/B&A supervised testing to verify emission rates, and provided assistance to the client in successful negotiations with the State concerning BACT requirements and penalty payments.

### **Bureau of Land Management, Rock Springs & Rawlins Field Offices, WY**

Completed a large-scale ambient air quality impact analysis for the *Desolation Flats Natural Gas Development Project Environmental Impact Statement (EIS)*. The study analyzed potential effects resulting from the development of 600 gas wells and associated compressor stations and gas plants in southwest Wyoming. The analyses included ambient air quality impacts, visibility impacts at Class I Wilderness Areas, and acid deposition impacts upon high altitude lakes. Our specific responsibilities for this project included developing a protocol for the analysis; presenting the protocol to the EPA, BLM, Wyoming DEQ/DAQ, project proponents and other stakeholders; and refining the final analysis protocol to the satisfaction of all interested parties. Performing the air analysis involved utilizing refined computer models, and documenting the results for inclusion in the EIS.



*Waste Gas Flare Tower*

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