

## Air Quality Consulting Services

### Permitting

- New Source Review (NSR) and PSD Permits
- Minor Source Air Permits and Permit Modifications
- Title V Operating Permits
- Emission Reduction Credit Banking and Trading Support
- 112(r) Clean Air Act Risk Management Plans
- Facility Modification and Expansion Strategies

### Technical Assessments

- Air Quality Dispersion and Plume Behavior Modeling
- Emissions Control Technology Assessments
- Emission Inventory Development
- Emissions Testing Program Development and Management
- Indoor Air Quality Surveys and Workplace Exposure Studies
- Greenhouse Gas Inventories and Management Strategies

ESS Group Inc.'s highly experienced professionals assist our clients with obtaining air permits, evaluating air emissions, conducting control technology assessments, and interpreting complex regulations using a wealth of engineering and regulatory experience.

ESS works with clients to develop permitting and compliance strategies that minimize regulatory burdens, maximize operating flexibility, and facilitate business goals. We develop the best permitting strategy to achieve these goals, while streamlining the permitting process to facilitate timely review and approval.

Our staff is expert in conducting emissions control technology analyses (RACT, BACT, MACT, or LAER), with first-hand experience in both traditional and advanced technology control systems. We also bring extensive experience in dispersion modeling to assess air quality impacts and address federal Prevention of Significant Deterioration (PSD) requirements and air toxics limitations, as well as plume behavior and impact studies related to fogging, icing, shadowing, and mineral deposition.

We are experts at developing and analyzing technical data to prepare comprehensive application documents and reports. ESS staff bring many years of experience in developing and managing emissions testing programs to acquire emissions information where established emissions factors may not exist.

ESS maintains excellent working relationships with senior air regulators throughout the northeast state agencies and Environmental Protection Agency Regions. We have former regulatory agency personnel and recognized air quality experts on staff who are routinely invited by agencies to participate in regulatory workgroups.

