

# Air Services and Modeling

We provide a complete array of air services to support our clients with federal and state-specific regulatory assessments, compliance, permitting, and reporting requirements.

Sanborn Head's engineers and consultants provide an array of air permitting and regulatory compliance services needed for successful project implementation from developing inventories and compliance reporting for criteria pollutants, air toxics, and greenhouse gases to sophisticated air dispersion modeling analysis, control technology evaluations, and preparing Title V Operating and PSD permit applications.

We also develop in-depth evaluations of air toxics, using health risk assessment as an alternative means of compliance with state-specific regulations, and conducting multi-pathway exposure assessments involving contaminant deposition to soils and food webs. Our consultants also provide expert witness and litigation support on matters related to the Clean Air Act and toxic tort lawsuits.

We maintain strong working knowledge of ever-changing federal and state air regulations, allowing us to develop project strategies that will most efficiently achieve project compliance and regulatory approval.

## SPECIALTY AREAS:

- Air Toxics Assessments
- NSPS/NESHAP Compliance Reporting
- NSR and Title V Permitting
- Air Emissions Inventories/ Source Registrations
- RACT/BACT/LAER/MSER Analysis
- Landfill and Natural Gas Sampling
- Refined Air Quality Dispersion Modeling
- Expert Witness Testimony
- Federal and State Greenhouse Gas Reporting/Quantification



## PROJECT SPOTLIGHT

As part of expert witness testimony, Sanborn Head conducted a retrospective assessment of asbestos emissions from a former pipe manufacturing plant. Using air dispersion modeling, we found neighborhood factory emissions exposure levels to be smaller than contemporary background concentrations from other sources.



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