

# Environmental Compliance

Air Resource Specialists (ARS) provides comprehensive permitting and compliance support to industrial, commercial, and governmental clients.



Our expertise covers a broad range of small to large manufacturing, fabrication, and extractive industries.

- Identify permitting needs
- Assist compliance with evolving requirements of:
  - Clean Air Act
  - Clean Water Act
  - State/local regulations
- Services include:
  - Construction and operating permits
  - Air and water quality modeling and NEPA planning
  - Emissions inventories
  - Compliance audits
  - Expert testimony



## Construction and Operating Permits

- Identify when air quality permits are necessary for new or modified facilities
- Provide technical analyses for permit applications
- Define applicable and non-applicable regulations
- Quantify emissions
- Dispersion modeling and impact assessment
- Select appropriate emissions abatement practices
- Negotiate permit language
- Recommend and implement strategies for ongoing compliance monitoring
- Provide expert testimony

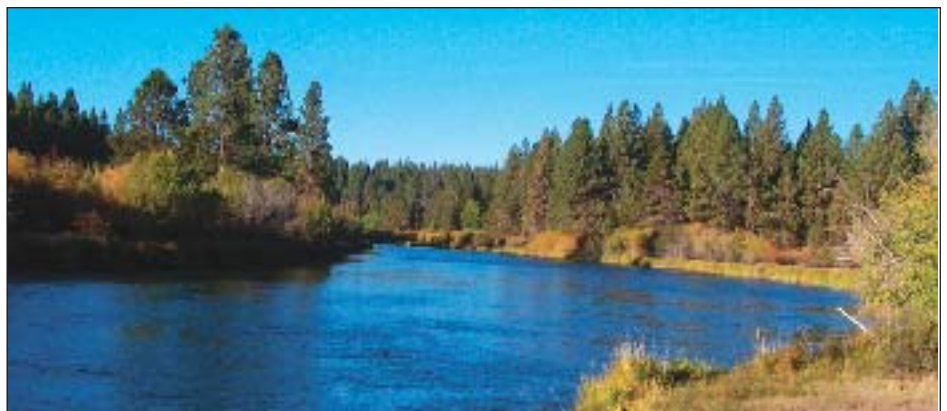


## Modeling and NEPA Planning

- Support Clean Air Act construction, operating, and PSD permits
- Support EIS and regional assessments of multiple source impacts
- Apply appropriate model and modeling approach for each project
- Compile emission calculations and air emissions inventories
- Conduct air dispersion modeling of long-range impacts
- Provide noise modeling and evaluation of noise abatement or mitigation strategies
- Evaluate multiple NEPA development scenarios
- Respond to technical questions at public hearings



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## Emissions Inventories

- Emissions quantification of industrial and commercial pollution sources for:
  - Annual reporting
  - Emissions fees payment
  - Emissions calculations for:
    - Common industrial sources
    - Complex sources including:
      - Fugitive dust from mines and quarries
      - Organic emissions from wastewater treatment systems
    - Large-scale construction projects subject to NEPA requirements
- Emission calculation spreadsheets and instructions facilitate increased self-sufficiency on future inventories



## Audits

- Provide clients with skills and tools to internally manage day-to-day environmental compliance
- Provide independent and confidential assessment of air and water quality compliance
- Support industry corrective actions before official regulatory inspections
- May provide protection against legal enforcement and penalties
- Verbal debriefings summarize findings before leaving plant site
- Confidential reports identify compliance requirements and list recommendations
- Summarize complex permit language into convenient checklists
- On-call for support as needed for compliance and report requirements



## Expert Testimony

- Clarify the meaning and implications of air quality regulations and permits
- Quantify the precision and accuracy of air quality data, emission inventories, model results, and other parameters used in analyses
- Explain data collection, data analysis, and modeling methods and the appropriateness of the methods selected for a specific analysis
- Present air quality emission calculations and modeling assumptions and the implication of the assumptions on model results
- Interpret air quality data and modeling results
- Compare similar analyses and outcomes
- Describe analytical and permitting timelines and milestones relative to specific applications

