

## Health Risk Assessment and Modeling

*Health risk analysis, dispersion modeling and air toxics review*



E5, Inc. conducts health risk assessments and dispersion modeling for air pollution and air toxic emissions for nuisance, carcinogenic, acute and chronic health impacts.

Our firm interfaces with governmental authorities and utilizes regulatory protocols to develop acceptable risk assessments for a variety of environmental issues. Our risk assessment capabilities range from conducting low level screening analysis to comprehensive health risk assessments and reports.

E5 has conducted health risk screenings and assessments for a variety of industrial sources, including, IC engines, polyester resin operations, polyurethane foam equipment, mixing vessels, finishing equipment, spray booths, ethylene oxide sterilizers, powder coating operations and storage tanks.

Many risk assessments are required for air quality permits, BACT, land use, new source review or other regulatory compliance, which E5 has considerable experience. Our scope of work includes source evaluation, emission calculations, source testing, dispersion modeling, health risk quantification, report preparation, agency interface and follow-up advisory and consulting support.

### Prior Risk Assessment Projects

- Land use for K-12 school siting project adjacent to furniture manufacturing operation
- Proposition 65 risk assessment for public notification and Safe Harbor determination
- Toxics new source review for permitting of ethylene oxide sterilizers and catalytic oxidizer
- Odor analysis and risk assessment for land use project of coating manufacturing operation
- Health risk assessment for permitting of emergency IC engines for cogeneration plant
- AB 2588 Health Risk Assessments

### Key Benefits

- Identify geographic/population zones of impact
- Assess compliance with applicable rules
- Specify control technologies and strategies
- Mitigate environmental justice and toxic issues
- Reduce nuisance and other operational liabilities

### Contact Us

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