TI Corporate Citizenship
Topic Brief

Air emissions

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Why it matters

Maintaining compliance with and, where possible, minimizing or eliminating air emissions is important to TI in order to maintain and help protect air quality in communities where we operate.

See Environment, Safety and Health to learn about our emissions:
• Management system
• Policies
• Grievance mechanisms

Our approach

Addressing air emissions includes obtaining the proper permits and investing in controls to maintain air emissions below permitted limits.

Reduction and elimination goals

To protect air quality, we voluntarily set site-specific chemical reduction goals because using fewer chemicals typically produce fewer emissions. In addition, TI has phased out the use of Class 1 or Class II ozone depleting substances as raw materials in semiconductor manufacturing.

Regulations and reporting

TI's operations produce varying quantities of several types of air emissions, some of which are subject to regulatory limits or are required to be calculated and reported, depending on the country, state, or municipality in which the operation is located. For example, TI produces relatively small quantities of air emissions regulated in the U.S., such as nitrogen oxides and volatile organic compounds.

Accountability

The company's vice president of Worldwide Facilities, who reports directly to the chief financial officer, oversees air quality initiatives. The Audit Committee of our board of directors oversees environmental compliance efforts and risk assessment processes. We also require environmental, safety and health teams to maintain compliance with air quality requirements at the sites in which they work.

Reduction programs and strategies

We reduce air emissions using a combination of state-of-the-art technologies as well as other key strategies. These include:

• Eliminating chemicals in manufacturing processes, where feasible, and replacing them with more benign, effective substitutes

• Using thermal oxidizers, catalysts and abatement systems to remove pollutants before they are emitted

• Using ultralow nitrogen oxide burners and low-sulfur fuels in combustion devices, which help reduce ozone formation

• Improving the efficiency of facility systems and manufacturing equipment, which reduces energy consumption and the associated upstream power plant emissions

• Upgrading burners in boilers and other natural-gas combustion devices to improve efficiency

• Integrating air quality requirements into management systems to ensure compliance

• Limiting the use of combustion engines during "ozone action" days

• Enabling TIers to use alternative, fuel-efficient commuting options that further reduce air emissions in the communities where we operate

Evaluating our progress

Through routine monitoring, assessments and audits, we maintain a high level of compliance with air quality regulations and reporting requirements worldwide.