

Air quality

We are committed to managing air quality responsibly to protect the health of our workers, communities, and the environment. Air emissions associated with our activities include gases and dust. Managing air emissions has long been an integral part of our environmental management plans. We operate in compliance with relevant regulatory limits for air emissions.

Governance

The ESG Committee is responsible for assessing the organization's performance on material sustainability issues. Senior operations executives and environmental managers conduct rigorous evaluations of air emissions performance, recognizing its importance for maintaining the trust of communities and regulators.

[\(see ESG Governance section\)](#)

Context and strategic considerations

Workers, communities, regulators, and other stakeholders view air quality performance as a critical factor influencing the social acceptance of the mining, metals, and chemical industry. Within the industry, dust emissions are diffuse and can arise from a variety of sources, while gases are typically emitted from stack sources. Both must be effectively managed to prevent health risks and environmental impacts. Strong air quality management is a key factor in building stakeholder trust.

Impact, opportunity, and risk management

Mining operations

Our operations implement a variety of controls to manage dust. Dust from vehicle traffic is controlled through road wetting. Blasting activities in open-pit operations incorporate dust mitigation measures. We construct domes to cover stockpiles that supply mineral processing plants and use dust suppression systems on conveyors. Tailings storage facilities are managed to minimize wind erosion. In underground operations and buildings, we use ventilation systems to ensure air quality. We also conduct dust monitoring at mining sites to verify compliance with regulatory and permit requirements.



Water stewardship

Biodiversity

Mining-metallurgical waste management

Waste management

Air quality

Mine closure

Chemical operations

We monitor and control particulate emissions to ensure regulatory compliance. Dust capture technologies are applied across all processes, with gas extraction systems that collect particles via dry and wet systems (including baghouses, filters, electrostatic precipitators, and scrubbers). In some cases, we harness the thermal energy from these systems to generate steam.

We have worked to mitigate fugitive emissions in our transportation systems through water spray suppression systems, ventilation, and equipment isolation to prevent dust dispersion and eliminate its impact on the work environment.

Metallurgical operations

Our operations implement controls to reduce stack emissions from chimneys and fugitive emissions through a mix of technologies based on the process. These include baghouses, sulfuric acid plants, and scrubbers. Emissions are reported to environmental authorities on a permanent basis as they are connected online to our systems. Fugitive emissions are controlled with a series of measures: i) Concentrates are transported to our facilities on sealed trucks; ii) Warehouses were constructed to receive, store, and handle concentrates with regular inspections and maintenance; iii) High-rate ventilation systems in our



buildings allow us to suction and filter residual dust using baghouse systems to capture the particles and exhaust clean air; iv) Internal roadways in our facilities are paved, and we operate truck wheel cleaning stations; v) A fleet of dust suppression vehicles (vacuum) clean internal and external roadways.

We operate an air quality monitoring network in agreement with the Mexican environmental protection agency to collect and analyze samples in a certified lab. Monitoring supports evaluation of our controls, proactive decision-making, reporting to environmental authorities, and continual improvement.

Metrics

At Peñoles, we believe that transparent reporting on environmental performance builds stakeholder trust and reinforces our environmental culture, process best practices, governance, and commitment to continuous improvement.

We implement critical control methodologies in environmental management, aligned with ICMM recommendations, to identify and apply essential controls that reduce the likelihood of environmental incidents.

Company	Reportable Incidents	Significant Incidents
Peñoles	5	0
Fresnillo plc	0	0

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