

Hazardous and special handling waste

We are committed to managing, reducing, recycling, and safely disposing of waste to protect the health and safety of our workers and surrounding communities, while preventing negative environmental impacts. Industrias Peñoles manages waste disposal responsibly and in full compliance with all applicable regulations. Our goal is to reduce waste generation and maximize recycling efforts to limit the amount sent to final disposal.

Governance

The ESG Steering Committee oversees the evaluation of the organization's performance in hazardous and special waste management. At the operational level, the environmental and operations divisional teams, along with the mines, metals, and chemicals divisions, are responsible for ensuring governance and regulatory compliance. Each unit follows internal guidelines and procedures to ensure alignment with national regulations. (see [ESG Governance section](#))

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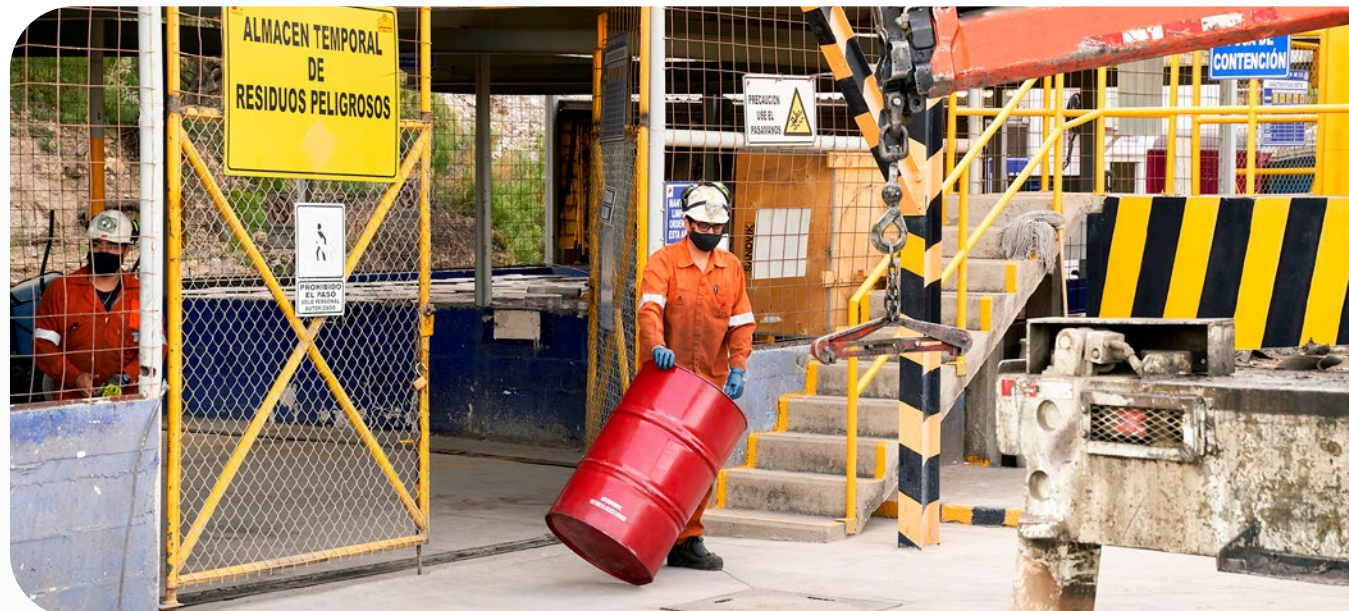
Context and strategic considerations

We understand that the responsible management of hazardous and special waste is a critical issue for our employees, local communities, regulators, and shareholders. Consequently, all our business units adhere strictly to the relevant regulatory framework. Hazardous waste is regulated at the federal level, while special handling waste is managed at the state level. Our focus is on managing, reducing, recycling, and safely disposing of waste to mitigate risks to human health and minimize environmental harm.

Impact, risk, and opportunity management

Improper waste management can have severe environmental consequences, including soil and water contamination and greenhouse gas emissions. Mismanaged waste presents a significant threat to ecosystems and human health.

In all our operations, the life cycle of hazardous and special handling waste is managed through the following stages:



Water stewardship

Biodiversity

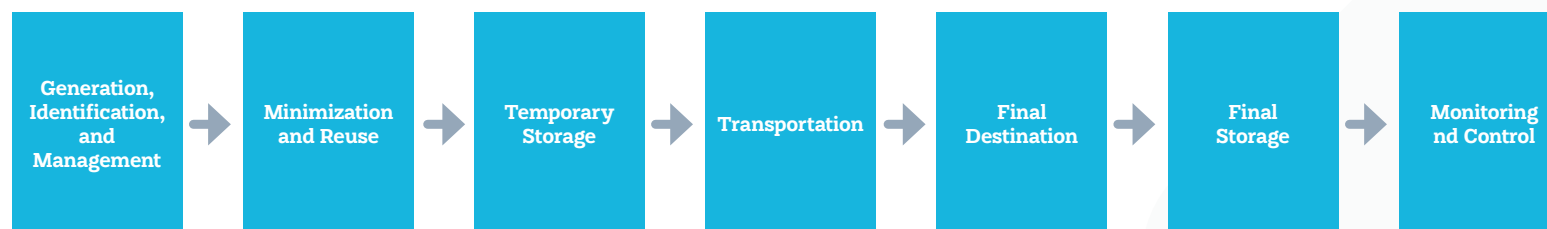
Mining-metallurgical waste management

Waste management

Air quality

Mine closure

Life cycle of hazardous and special handling waste



Industrias Peñoles manages waste disposal responsibly and in full compliance with all applicable regulations.

- **Generation, Identification, and Management:** Staff are trained to identify and properly segregate waste
- **Minimization and Reuse:** We actively seek and implement technologies that are more environmentally and health-friendly, and maintain efficient processes to minimize waste generation. Waste is evaluated for potential reuse, recycling, or energy recovery, either internally or externally.
- **Temporary Storage:** Waste is temporarily contained in designated areas to prevent dispersion.
- **Transportation:** We select authorized transportation providers to handle waste safely.
- **Final Destination:** Authorized disposal providers are selected in compliance with legal requirements, ensuring proper management.
- **Final Storage:** Areas designated for the final disposal of waste are designed, constructed, and managed, subject to the necessary authorizations.
- **Monitoring and Control:** We maintain comprehensive documentation and accounting for waste generated, its recycling, and its final disposal.



Performance and metrics

In 2024, we generated just over 30,000 tonnes of hazardous waste, primarily from metallurgical processes at the zinc electrolytic plant, smelter, and refinery, including contaminated debris and white sludge. Special handling waste totaled 305,542 tonnes, with the majority coming from gypsum and dolomite fines produced by the Chemicals Division.

Recycled waste consists mainly of ferrous metal scrap, steel, aluminum, oil, wood, and used tires.

At Peñoles, we are committed to the valorization, reuse, and recycling of lead to a circular model to maintain and extend the life of resources as long as possible, thus reducing waste generation and the consumption of natural resources.

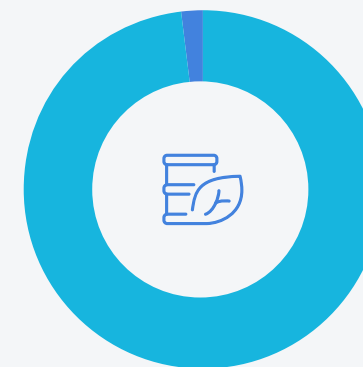
We recycle nearly 6,000 tons of hazardous and special waste externally.

We continue to strive to reuse the special waste we store internally.

Waste by type of disposal (tonnes) and classification

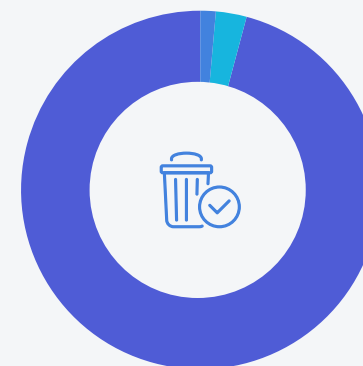
Division	Classification	2024		
		External final disposal	Internal final disposal	External recycled
Peñoles Mines	Hazardous	389.81	-	454.54
	Special handling	546.02	-	2,601.16
Metals	Hazardous	29,123.61	-	48.01
	Special handling	7,741.11	-	2,298.20
Chemicals	Hazardous	24.21	-	6.93
	Special handling	551.95	305,542.91	406.05
Peñoles	Hazardous	29,537.63	-	509.47
	Special handling	8,839.07	305,542.91	5,305.42
	TOTAL	38,376.70	305,542.91	5,814.89

Hazardous waste (tonnes)



- External recycled
- External final disposal

Special handling waste (tonnes)



- External recycled
- External final disposal
- Internal final disposal