



+ferreycorp

Waste Management Program



- Waste Management Audit
- Zero Waste Diagnosis and Waste Characterization
- Routine Inspections



Audit Sustainability Report 2024 (Waste Indicator)

Declaración PE25/00000229, continúa

ASSURANCE STATEMENT

**SGS del PERU S.A.C. REPORT ON SUSTAINABILITY ACTIVITIES IN THE
“SUSTAINABILITY REPORT 2024” OF FERREYCORP S.A.A.**

SPECIFIED PERFORMANCE INFORMATION AND DISCLOSURES INCLUDED IN SCOPE

These are de specific KPIs taken in account in the “**FERREYCORP SUSTAINABILITY REPORT 2023**”

GRI 200 Economics (201-1; 203-1; 204-1; 205-1)

GRI 300 Environmentals (302-1; 303-3; 303-5; 305-1; 305-2; 305-3; 305-4; 305-5; 306-2; 306-3; 306-4; 306-5; 308-1)

GRI 400 Socials (401-1; 401-3; 403-1; 403-9; 404-1; 404-3; 405-1; 406-1; 417-1; 418-1).

Note that the Financial Indicators are taken from the Financial Statements audited by an independent third party.
These Indicators are not reviewed by SGS.

ASSURANCE METHODOLOGY

The assurance comprised a combination of pre-assurance research, interviews with relevant employees, strategic partners, documentation and records review and evaluation of the report for alignment with GRI protocols, the audit was performance remotely.

The procedures performed in a limited assurance engagement vary in nature and timing from, and are less in extent than for, a reasonable assurance engagement. Consequently, the level of assurance obtained in a limited assurance engagement is substantially lower than the assurance that would have been obtained had a reasonable assurance engagement been performed.



SGS

GRI 306-2
Management of significant impacts
related to waste

GRI 306-3
Waste generated

GRI 306-4
Waste not destined for disposal

GRI 306-5
Waste destined for disposal



Sustainability report 2024

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Waste Audit

Zero Waste Diagnosis – In Progress Phase: Waste characterization



In collaboration with a specialized consulted firm, there is a non-reusable waste characterization study, which are destined for landfills (both hazardous and non-hazardous). A process analysis is also being performed for a Zero Waste Diagnosis. This initiative will aid in identifying materials and processes that can be improved to prevent the generation of non-reusable waste.

This study is being carried out at three of the Corporation's representative locations.



Waste Audit

Zero Waste Diagnosis - In Progress Service Schedule

VI. CRONOGRAMA DE PLAN DE TRABAJO

Tabla 3: Cronograma de actividades Diagnóstico cero residuos

Cronograma actividades Diagnóstico cero residuos UNIMAQ, SOLTRAK Y FERREYROS CDR											
Actividad	Responsables	Mes 1					Mes 2				
		S1	S2	S3	S4	S5	S6	S7	S8		
Etap 1: Levantamiento de Información											
Planificación y adaptación de formatos para levantamiento de información primaria*	Asesor cero residuos										
Levantamiento de información secundaria	Asesor cero residuos										
Lanzamiento de encuesta de medición cultura circular**	Asesor cero residuos										
Visita de campo sede CDR	Asesor cero residuos										
Visita de campo sede Soltrak	Asesor cero residuos										
Visita de campo sede UNIMAQ	Asesor cero residuos										
Caracterización de residuos no peligrosos	Supervisor y segregadores										
Caracterización de residuos peligrosos	Supervisor y segregadores										
Elaboración flujo de entrada y salida de materiales	Asesor cero residuos										
Elaboración reporte de estado de infraestructura	Asesor cero residuos										
Elaboración reporte de desviaciones por mala segregación	Asesor cero residuos										
Elaboración de resultados de encuesta medición cultura circular	Asesor cero residuos										
Etap 2: Diseño de oportunidades de mejora											
Elaboración de oportunidades de mejora	Asesor cero residuos										
Análisis costo-beneficio de oportunidades de mejora priorizadas	Asesor cero residuos										
Etap 3: Presentación de hallazgos y oportunidades de mejora											
Entrega final Diagnóstico cero residuos	Asesor cero residuos										
Entrega de presentación ejecutiva Diagnóstico cero residuos	Asesor cero residuos										

*Coordinaciones con área sponsor para programar entrevistas, lanzamiento de encuesta de medición de cultura circular, entre otras.

**El medio de comunicación para el lanzamiento de la encuesta será coordinado previamente con el área sponsor



***Las visitas de campo son para el levantamiento de información, agradecemos contar con el soporte del área sponsor para que las visitas sean guiadas con personal clave.



Waste Audit

Monthly Inspections

Codigo : F1-SSMA-SI-PR-011 Version : 01 Fecha de aprobación : 29 - 12-16									
Ferreyros CAT INSPECCIÓN INTERNA DE SEGURIDAD, SALUD Y MEDIO AMBIENTE y SEGUIMIENTO									
Sede / Operación / Proyecto		Operación FSA - Antapacay		Dirección		Unidad Minera Antapacay - Glencore		Numero de Trabajadores del centro laboral	95
Tipo de Inspección: (Marquen con una X o resaltar celda)		a) Planada		b) No Planada		c) Otro		(Detallar)	
Objetivo de la Inspección		El objetivo de las inspecciones a crear ambientes seguros de trabajo previniendo lesiones y enfermedades ocupacionales. (Evaluar condiciones del area de trabajo, equipos, herramientas, estructuras entre otros, a fin de identificar oportunidades de mejora. Cumplir las inspecciones de conformidad con el D.S. 024-2016-DS y R.M. 050-2013-TR.							

Inspector (es) Responsables de la Inspección			Area Inspeccionada		Responsable del Area Inspeccionada		Fecha de Inspección		Hora de Inspección	
HECTOR MANUEL VALDIVIA TACO			CONTENEDORES DE RESIDUOS SOLIDOS LOGISTICA		ALONSO MENDEZ		14/02/25		11:00	
Item	Tipo de Observación	Descripción de la Observación (Condiciones / Acto Subestándar)	Fotos	Causas	Conclusiones / Recomendaciones (Medidas Correctivas)	Fecha estimada de término	% Cumplimiento	Levantamiento / Fotos		
1	MEDIO AMBIENTE	CORRECTA segregación en Contenedor blanco de residuos sólidos en INTERIOR almacén Ferreyros		CI4.OTRAS CONDICIONES SUBESTÁNDAR	SE REALIZA RECONOCIMIENTO A PERSONAL POR LA CORRECTA SEGREGACION DE RESIDUOS PLASTICOS	14-jun-25	100.0%			
2	MEDIO AMBIENTE	Se observa mala segregación en Contenedor marrón de residuos sólidos en INTERIOR almacén Ferreyros		CI4.OTRAS CONDICIONES SUBESTÁNDAR	REALIZAR CORRECTA SEGREGACION DE RESIDUOS ORGANICOS.	14-jun-25	100.0%			

RESPONSABLE DEL REGISTRO	Nombre : HECTOR MANUEL VALDIVIA TACO	Cargo : Ing. HSE	Fecha :14-06-25	Firma:	
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As a part of the routine safety, health and environmental inspections that a carried periodically in the locations and operations of the subsidiary companies, there are environmental topics that are reviewed. This includes verifying the implementation of practices and procedures related to waste management and material eco-efficiency, such as the presence of waste containers and proper waste segregation.

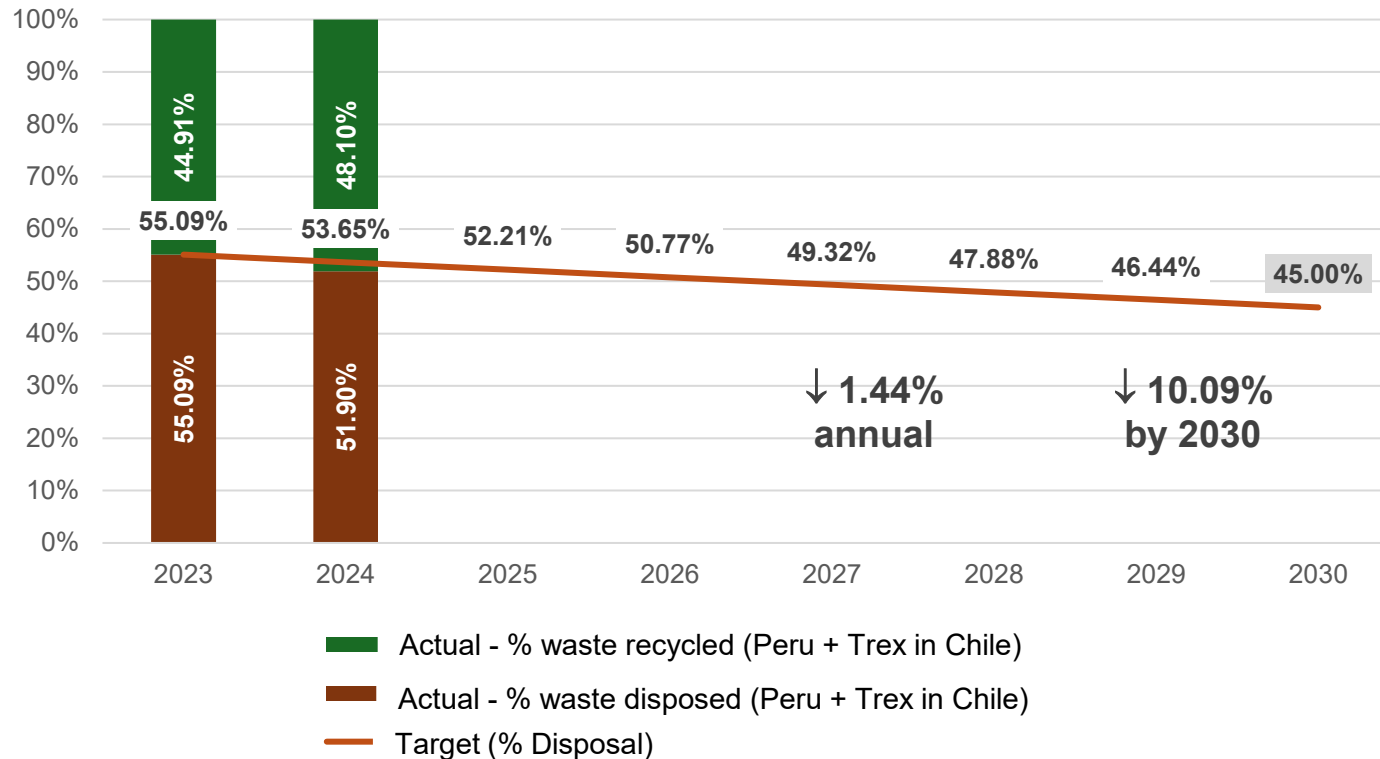


- **Proportion of waste sent to landfill reduction targets by 2030**



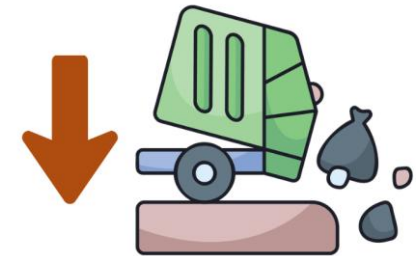
Proportion of waste sent to landfill reduction targets by 2030

Ferreycorp Corporation: Peru and Trex in Chile (46 sites)



Our objective is to reduce the proportion of waste generated at our own sites that is sent to landfill to 45% by 2030.

This represents a 10.09% reduction compared to the 2023 baseline year.



These objectives and targets have been approved by the General Meeting of Shareholders.



- Action plans for waste reduction and waste sent to landfill.



Action plans for waste reduction and waste sent to landfill

Hierarchy of controls and implemented projects

MORE EFFICIENT

LESS EFFICIENT

PROJECT OVERVIEW

PROJECTS WE ARE DEVELOPING

		ADMINISTRATIVE	ENGINEERING	ENERGETIC VALORIZATION	RECYCLE	REUSE	SUBSTITUTE	PREVENT/ELIMINATE
		<ul style="list-style-type: none">• Procedure, Internal policies (e.g., for recycling)	<ul style="list-style-type: none">• Disposal in sanitary or security landfills	<ul style="list-style-type: none">• Generation of alternative fuels from waste• Generation of heat, electricity	<ul style="list-style-type: none">• Recycling through third parties• Composting• Recycling of by-products in processes	<ul style="list-style-type: none">• Reuse• Reuse materials	<ul style="list-style-type: none">• Replacement with lower-impact products	<ul style="list-style-type: none">• Process improvement• Efficiency• Elimination of unnecessary item• Eco-design/Redesign
		<ul style="list-style-type: none">• Training• Routine inspections	<ul style="list-style-type: none">• Disposal of hazardous in waste in security landfills• Disposal of non-hazardous in waste in security landfills		<ul style="list-style-type: none">• Valorization of organic waste.• Valorization of sludge from cafeteria grease traps.• Recycling of paper, cardboard, scrap metal, etc.• Valorization of oils• Valorization/ Conditioning of End-of-Life Tires (ELT)	<ul style="list-style-type: none">• Reuse of plastic box crates.• Reuse of spare parts trays	<ul style="list-style-type: none">• Change of S-type boxes to Kraft mailer envelopes• Change from conventional stretch film to recycled-content stretch film• Change from plastic packaging tape to Kraft paper tape• Change from wooden pallets to reusable recycled plastic pallets	<ul style="list-style-type: none">• Machinery design for rebuilding: reconstruction and machinery overhaul• Repair of wood and pallets to prevent them from becoming waste



Action plans for waste reduction and waste sent to landfill

Machinery reconstruction

b) Extended product responsibility

GRI 306-2 a (2020)

Machinery rebuilding and overhaul

Machinery rebuilding is a reality thanks to the Cat Certified Rebuild (CCR) program, as well as the general equipment overhaul program of Ferreyros, which offers the possibility of rehabilitating a wide range of machines, according to each the needs of each customer.

In 2024, Ferreycorp, through its companies Ferreyros and Unimag, continued with the reconstruction and overhaul of machines and components, contributing to the circular economy of the product by giving a new life to the units for their production in the field.

Thus, several families of Caterpillar equipment have been serviced, including shovels; mining trucks of various capacities; low-profile loaders for subway mining; auxiliary equipment for use in mining; and heavy construction equipment. The reconstruction of Cat backhoe loaders carried out by Unimag under the CCR program also stood out.

Table No. 02: Rebuilding and overhaul of machinery

Company	Management	2023		2024	
		Reconstruction	Overhaul	Reconstruction	Overhaul
Ferreyros	Gran Minería - Spare Parts and Services	9	2	-	8
	Gran Minería - Palas	-	5	-	2
	National Accounts	40	-	36	-
Unimag	Product Support	1	-	3	1
Total number of machines		50	7	39	11
Weight in tons of scrap avoided		667.66	1,511.40	486.37	778.82



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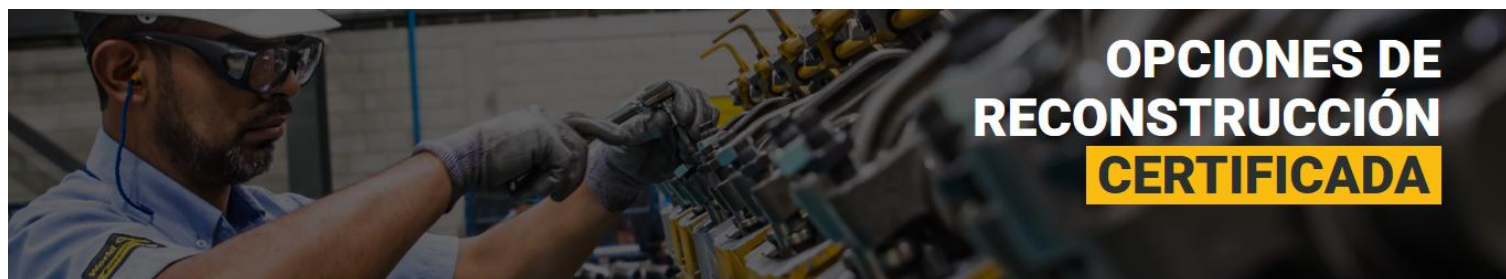
In 2023 and 2024, more than 100 machines were reconstructed and overhauled.

This is equivalent to more than 3,400 metric tonnes of reused scrap metal that was prevented from becoming waste.



Action plans for waste reduction and waste sent to landfill

Machinery reconstruction



/ [Inicio](#) / [Servicios](#) / Reconstrucción de Máquinas

LOS EQUIPOS **CAT** ESTÁN **CONSTRUIDOS PARA SER RECONSTRUIDOS**



Certified machinery reconstruction
web service:



[See web page](#)



Action plans for waste reduction and waste sent to landfill

Repair of wooden boxes and pallets

When the wood form boxes and pallets gets damaged, it is recovered and sent to carpenters for repair instead of being discarded in sanitary landfills, thereby preventing these materials from becoming waste.

This good practice allowed for the recovery of the following during 2024:

- **123 metric tonnes** via valorization with EORS
- **+240 metric tonnes** via direct repair at the carpentry workshop





Action plans for waste reduction and waste sent to landfill

Recognition of Clean Production Agreement with the Ministry of the Environment



Ferreycorp and its subsidiaries Ferreyros and Soltrak received recognition from the Ministry of the **Environment of Peru (a government entity)** for meeting all the targets of the **CLEAN PRODUCTION AGREEMENT**, which was signed in April 2023 and achieved in April 2024.



[See certificate](#)



Action plans for waste reduction and waste sent to landfill

Recognition of Clean Production Agreement with the Ministry of the Environment

N°	target
1	Minimize the amount of waste generated by end-of-life machinery through the promotion of good circular economy practices - machinery reconstruction (CAT REBUILD) and overhaul - in order to increase its useful life, an action performed by the subsidiary Ferreyros.
2	Conduct a study of the current situation regarding the quantity and type of material used for product packaging at the Soltrak subsidiary.
3	Valorize wood at the Ferreyros S.A. subsidiary's CDR or Industrial locations (approximately 30 metric tonnes annually).
4	Train personnel in comprehensive solid waste management and the circular economy.
5	Promote and publicize good circular economy practices for the product (machinery reconstruction) carried out by the subsidiary Ferreyros S.A.
6	Provide support and impetus to a local government's program for source segregation and solid waste collection.

The clean production agreement established 6 targets that were 100% achieved.



See certificate



Action plans for waste reduction and waste sent to landfill

Recognition of Clean Production Agreement with the Ministry of the Environment



Recognition obtained published in the News



[See web page](#)



Action plans for waste reduction and waste sent to landfill

Organic waste compost from the cafeterias

Table No. 14: Measures to reduce waste generation in 2024

Measure	Company
Valorization of organic waste: The headquarters of Industrial, La Joya, CDR, and location Arequipa of Ferreyros implemented organic waste collection, joining the three headquarters that have been carrying out this action since previous years (Ferreycorp Surco, Unimaq Ate, and Unimaq Lurin). Likewise, this good practice was carried out at the 2024 end-of-year party. In total, 110 tons of organic waste were recycled.	Ferreyros (4 new headquarters + 03 old ones)
Valorization of sludge from kitchen grease traps: The headquarters of Industrial and CDR implemented this measure, successfully transforming waste into compost.	Ferreyros (2 headquarters)



**See the Sustainability
Report of 2024**

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**110 metric tonnes of
organic waste** from the
cafeterias were valorized.



Action plans for waste reduction and waste sent to landfill

More eco-efficient packaging

“CAJAS” BOX

“Cajas” box of reusable plastic instead of disposable or non-returnable cardboard or wooden boxes, in addition to being more durable.

This has been implemented for [internal shipments of spare parts from Lima workshops](#) to the La Joya location (the second most important location in Peru). The La Joya location unloads, disassembles, and stacks the containers. [They are then returned either with spare parts or empty when the transport unit goes back to the CDR location.](#)



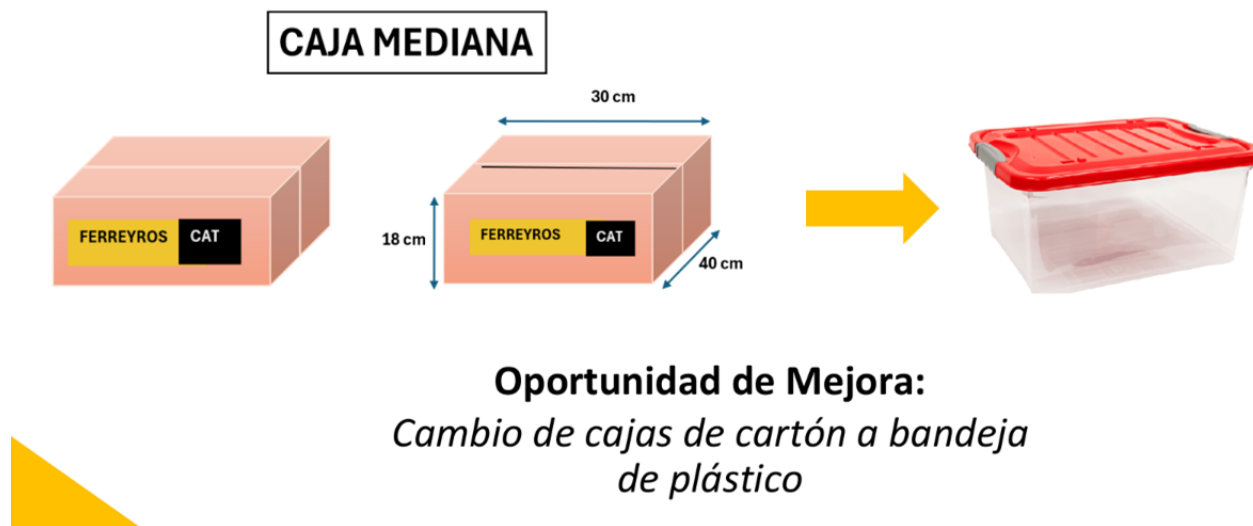


Action plans for waste reduction and waste sent to landfill

More eco-efficient packaging

Reusable Plastic Boxes

Reusable plastic boxes instead of disposable cardboard boxes, for shipping spare parts and pieces to the workshop at the industrial location. There is a project to replicate this good practice at the La Joya location.





Action plans for waste reduction and waste sent to landfill

More eco-efficient packaging

ECOSTRETCH FROM A RECYCLED SOURCE

Conventional stretch film has been replaced with Eco stretch film made from 30% recycled content, a percentage that has since been increased to 70% recycled content.

This good practice has been implemented at the company Soltrak and at Ferreyros nationwide.

The waste generated from this packaging is returned to the same factory, which reuses it to manufacture new stretch film.

1. Análisis de alternativa propuesta por la empresa SOLPACK:

1.1 Ecostretch: Elaborado parcialmente con resina reciclada fabricado con PE lineal de baja densidad (LLDPE) más 30% de resina recuperada PCR que le brinda una tonalidad grisácea al Stretch film (Se adjunta ficha técnica en Anexo N°1), el que reemplazaría al stretch convencional utilizado actualmente (Se adjunta ficha técnica en Anexo N°2).

Figura N° 5: Imagen de Ecostretch Solpack





Action plans for waste reduction and waste sent to landfill

More eco-efficient packaging

KRAFT MAILER ENVELOPES

Cardboard boxes have been replaced with Kraft mailer envelopes for shipping small parts and spares.

This reduces the use of cardboard by 80%.

This good practice has been implemented at the company Soltrak (for shipping to clients) and at Ferreyros in the CDR warehouse (a logistics center that ships nationwide through all its channels: workshops, branches, mines, clients in Lima, and stores).





Action plans for waste reduction and waste sent to landfill

More eco-efficient packaging

PAPER KRAFT PACKAGING TAPE INSTEAD OF PLASTIC

Conventional plastic packaging tapes have been replaced with paper packaging **tapes across all channels**. They are used for all cardboard boxes that are assembled at the CDR location.





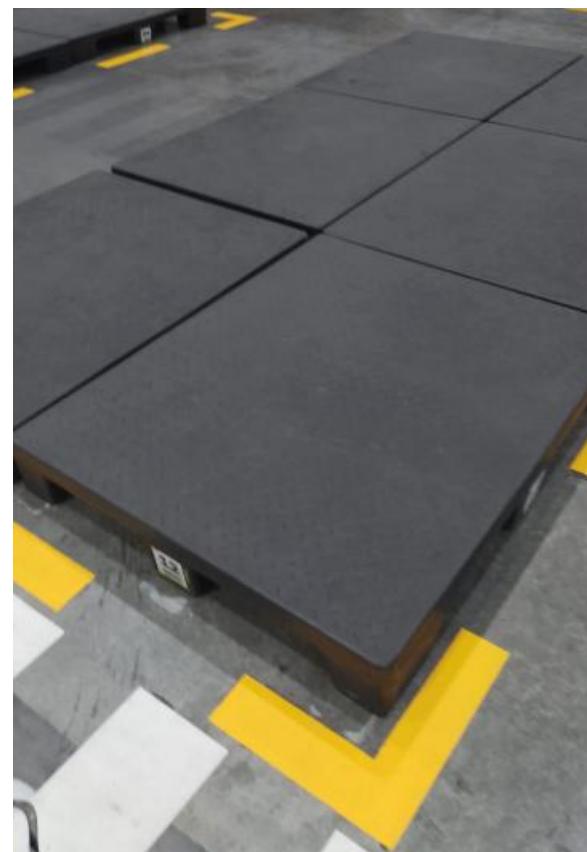
Action plans for waste reduction and waste sent to landfill

More eco-efficient packaging

RESISTANT PLASTIC PALLETS

Disposable wooden pallets have been replaced with durable, reusable plastic pallets.

This was implemented for internal use at the CDR location (a national logistics center) and at the [industrial location](#).





Action plans for waste reduction and waste sent to landfill

More eco-efficient packaging

PLASTIC BOXES “Cosecheras”

At the Ferreyros company, cardboard boxes have been replaced with reusable and resistant plastic “cosecheras” boxes to pick small parts, from one point to another where they are packed for shipment to branches.

They are for internal use at the CDR headquarters.





- Personal Training On Waste Management



Personal Training On Waste Management



In January 2024, the company Ferreyros held a virtual course on "Waste Management" for the national accounts area, which served as a reminder of the standard for waste management.

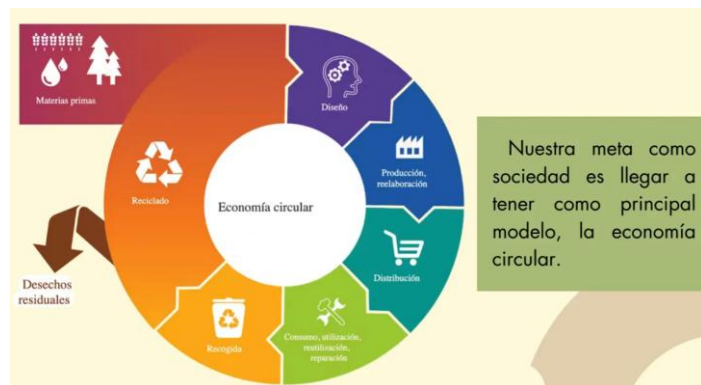


Personal Training On Waste Management



ECONOMÍA CIRCULAR

La economía circular es un concepto económico cuyo objetivo es que los bienes se mantengan en circulación durante el mayor tiempo posible y que se reduzca al mínimo la generación de residuos.



¿CÓMO SE APLICA LA ECONOMÍA CIRCULAR EN FERREYROS?



CAT Reman:

Este servicio ayuda a generar menos desperdicios, mantener las materias primas de alto valor (hierro) en uso y a extender el valor de los recursos no renovables consumidos en la fabricación original del componente.

In May 2024, the company Ferreyros held a virtual course on "Circular Economy" for the national accounts area, which covered basic concepts and how it is applied at Ferreyros.



Personal Training On Waste Management



In September and October 2024, the company Ferreyros held a virtual course for its employees on "Sensitization in Waste Segregation." The course highlighted the importance of waste segregation and the correct way to do it, using graphic examples of the type of waste corresponding to each container, according to the color code used by the company.



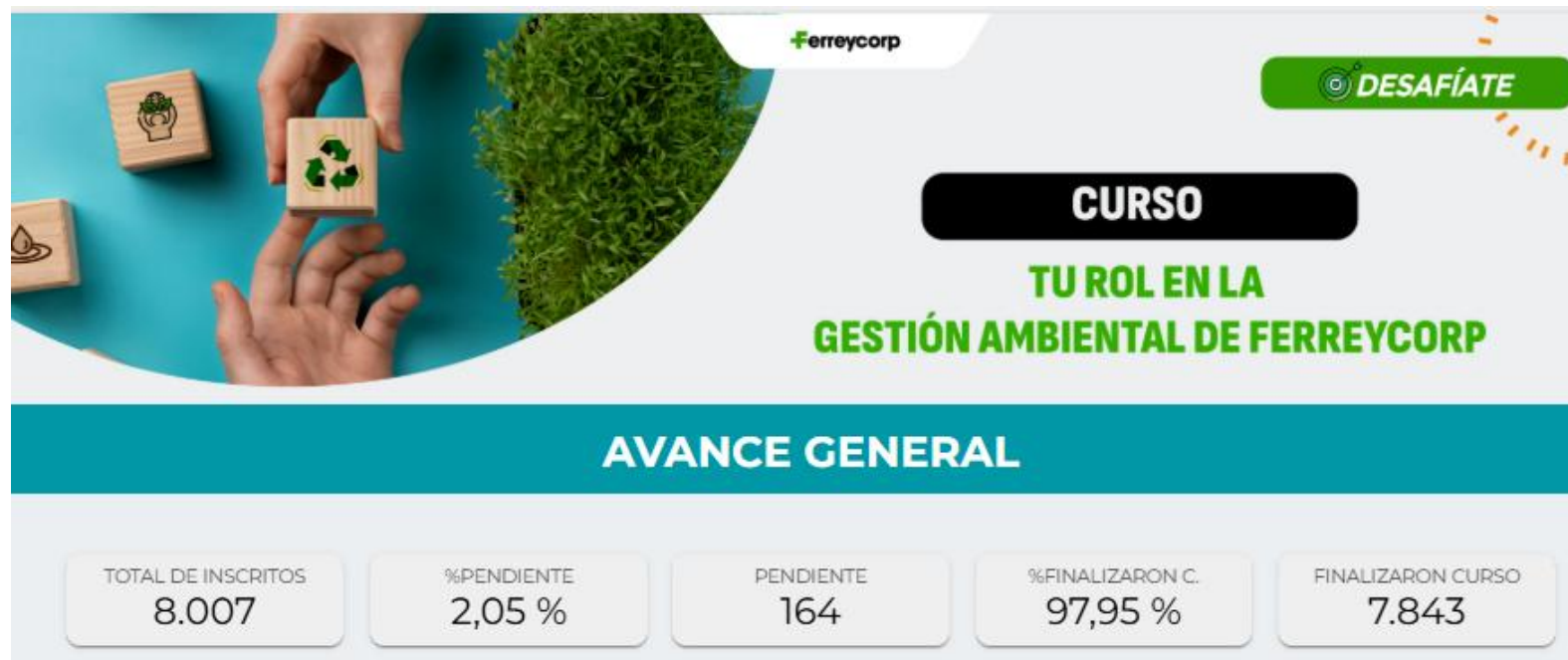
Personal Training On Waste Management

In 2025, the virtual course "Your Role in Ferreycorp's Environmental Management" was offered company-wide.

The course included the following topics:

- Environmental strategy
- Corporate environmental policy
- 2030 reduction objectives
- Specific measures for different roles regarding climate, energy and emissions, water and effluent management, **waste and materials management** and product sustainability

A total of 7,843 people were trained and passed the course, achieving a 97.95% completion rate.





Personal Training On Waste Management





- Certification of waste management, treatment, and final disposal by an independent third party.



Certification of waste management, treatment, and final disposal by an independent third party.

Breakdown of Waste by Type
306-4, 306-5 (2016) - detailed

Type of Management	Type of Waste	Type of detail	2023	2024	Management
Reused	Non-hazardous	Cooking oil	0.30	0.03	Valorization (recycling)
		Cardboard	99.34	103.65	Valorization (recycling)
		Scrap metal	678.68	959.96	Valorization (smelting)
		Cooking grease trap sludge	0.00	0.02	Valorization (composting)
		Wood	190.80	123.70	Valorization (recycling)
		End-of-life tires (< 25 inches)	0.23	6.02	Conditioning
		End-of-life tires (>= 25 inches)	7.74	25.44	Conditioning
		Composted organics	29.93	42.30	Valorization (composting)
		Organics sent to recovery plant	0.00	67.33	Valorization (composting)
		Paper	19.26	11.30	Reuse / Recycling
		Plastic, PET, bottle caps	11.18	23.08	Valorization (recycling)
	Glass	0.00	0.00	Valorization (recycling)	
	Hazardous	Oil	173.74	228.70	Valorization (recycling)
		Batteries	11.71	11.12	Delivery to the supplier of these services
		Electrical and electronic appliances	3.19	7.36	Valorization (recycling)
Toners		0.01	0.01	Delivery to the supplier of these services	
Disposed in landfill (sanitary/safety)	Non-hazardous	Cardboard	0.00	0.22	Disposed in sanitary landfill
		Scrap metal	0.00	0.03	Disposed in sanitary landfill
		Demolition debris	0.27	0.00	Disposed in sanitary landfill
		General Black trash can	667.11	742.16	Disposed in sanitary landfill
		Organic waste sent to landfill	2.13	28.98	Disposed in sanitary landfill
		Paper	0.00	0.15	Disposed in sanitary landfill
		Plastic, PET, bottle caps	0.00	0.08	Disposed in sanitary landfill
	Hazardous	Biocontaminated	0.72	2.59	Disposed in safety landfill
		Refrigerant liquids, solvents, oils	26.72	32.78	Disposed in safety landfill
Hazardous solids		810.07	931.36	Disposed in safety landfill	
Annual Total			2733.11	3348.36	



See the Sustainability Report 2024

See page 3: Assurance Statement approx.
Page 116: Table shown

The details of the waste, including the management provided and the independent third-party audit, are shown.