2013 Performance Brief





Prospection

Performed to discover zones with the greatest occurrence of coal deposits.

BEFORE

Exploration

amount and quality of geological model.

resources in a deposit as well as its mining potential. It is performed by drilling, seismic profiles, and data interpretation to create a

Allows us to determine the

Wildlife relocation 4,85

MILLION TONES

Low-mobility wildlife is rescued then relocated to suitable areas.

Removal of topsoil

Topsoil layers are removed and stored in soil banks to be used later during land reclamation of areas disturbed by the mining operation.

Drilling and blasting

Boreholes are made with drills and emulsion is placed in them to fragment the overburden.

Removal of overburden

Shovels remove the overburden and load it onto 240- and 320-tonne trucks. It is then taken to dump sites or to backfill areas for land reclamation.

Stacking

Once the coal seams are uncovered, the material is mined. It is loaded onto 190-tonne trucks with front-end loaders and/or hydraulic shovels.

The coal is hauled to the crushing plants or stockpiled according to its quality or calorific value

CERREJÓN HAS 43 TRUCKS FOR THIS OPERATION

Backfilling and land preparation

This is carried out on the The topsoil is protected against erosion by wetting and overburden in the dumps or in the establishment of low-water grass cover. This also the backfill of old pits. introduces organic matter inside it to increase infiltration and water retention, thereby allowing it to sustain larger The land to be reclaimed is shaped and prepared for the plants, especially native tree species. new topsoil to be used as a medium for sustaining life.

Soil stabilization

Truck wash

Revegetation

Vegetation enrichment of stabilized soils by reintroducing native species to achieve diverse, multi-layered communities that serve as conservation areas for regional flora and fauna.



REACHED

The reclamation process takes

15-20

PREMINING

MINING

to silos to be later loaded onto the rail wagons.

COAL TRANSPORTATION AND MINING

COAL RECOVERED

Water tankers

A fleet of 30 water tankers is used to wet down the haul roads.

574.6 EXPORTED

MILLION IN 29 YEARS

CUMULATIVE 2003-2012 USD 78.8 MILLION

LAND RECLAMATION

10% of the mine's total production goes to the washing plant and consists of interlayer material, high-ash coal, and coal contaminated during the mining process. Washing recovers 60% of that coal, which then reaches an verage quality of 11,499 Btu/lb to 11,600 Btu/lb.



Coal that is not of a high enough quality to be sent directly to the crushing hoppers is stored in different of the coal is piles by quality.



DEPARTAMENT OF LA GUAJIRA

Once an average of 125-150 cars are loaded, the train begins its 150-km journey to Puerto Bolivai The coal is automatically loaded

Compaction and wetting down

Coal unloading

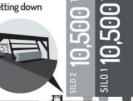
The coal is deposited at the unloading station

where it is stacked by the stacker-reclaimers

and the conveyor belts take it to the storage yards,

NET LOADING RATE

Each car's load s levelled, wetted and compacted to prevent coal dust emissions along the 150 km from the Mine to Puerto Bolivar.



Direct-loading system

The coal is reclaimed and sent to the linear ship-loader which places it directly in the holds of the coal ships, which then set sail to various countries worldwide.

180.000 he coal port receives vessels of up to tonnes |

CERREJON HAS BUILT THE LARGES



CERREJÓN HAS ACHIEVED AN IMPORTANT POSITION IN THE GLOBAL COAL MARKET

Stockpiles

HARE OF COLOMBIAN COAL EXPORTS IN HE GLOBAL MARKET

Tonnes of coal produced Exports in tonnes

2009: 30.6 million | 2010: 30.2 million | 2011: 32.30 million | 2012: 34.6 million | 2013: 33 million

When the coal quality meets

the conditions for loading at

the port, it is sent directly to the ship holds.

2009: 30.3 million | 2010: 31.4 million | 2011: 32.03 million | 2012: 32.8 million | 2013: 33.5 million

SOCIAL INVESTMENT 2013 USD 13.3 MILLION

Sources: own calculations on the global coal market, CMC, Ministry of Mines and Energy

MEDITERRANEA COUNTRIES

AND ASIA

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Letter from the **CEO**



Aligned with our commitment to the United Nations' Global Compact since 2005 and in the interest of transparency with our stakeholders, we would like to share some of our 2013 results in the social, labour, environmental, and financial areas

This document contains data and information on the main programs and initiatives we promote to improve the health, safety, and well-being of our employees and contractors; as well as to respect and promote human rights, and to foster the social and economic development of our neighbouring communities. All of this work is respectful of the environment and applies the best standards so we can provide a quality product to the international market.

In addition, we should note that we have incorporated a Guidelines for the Prevention of Corruption in our Ethics Policy. Our goal was to reinforce the commitment to business ethics that characterizes our operation since its beginning, updating it with the recent national and international advances in the field of the fight against corruption. These guidelines are based on applicable anti-corruption laws (the Colombian Anti-Corruption Statute - Act 1474 of 2011, the UK Bribery Act 2010, and the U.S. Foreign Corrupt Practices Act), and they provide us with clear directions to continue being transparent in our actions and thereby positively influence the well-being of our collaborators, their families, the region, and the rest of the country.

Finally, now more than ever we are convinced that we can generate the necessary partnerships among various players (regional, national, public and private) to foster common aims and goals to support La Guajira. Thus, we can contribute to overcoming the region's poverty, by supporting institutional strengthening through the construction of skills and capabilities needed for the social and economic development of La Guajira and its communities.



Roberto Junguito Pombo Cerrejón CEO

Cerrejón in Figures 2013





EMPLOYEES



6,390

CONTRACTORS



8,278





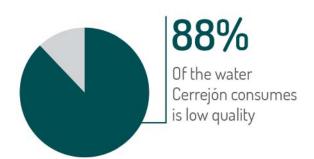
PURCHASES IN LA GUAJIRA

SUPPLIERS.

CONTRACTS IN LA GUAJIRA

us\$ 41.8 177

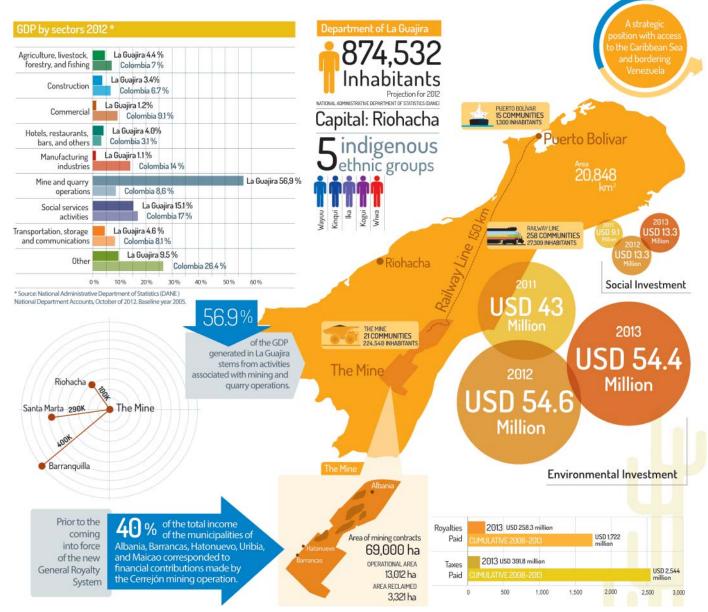
US\$ 54.4 M





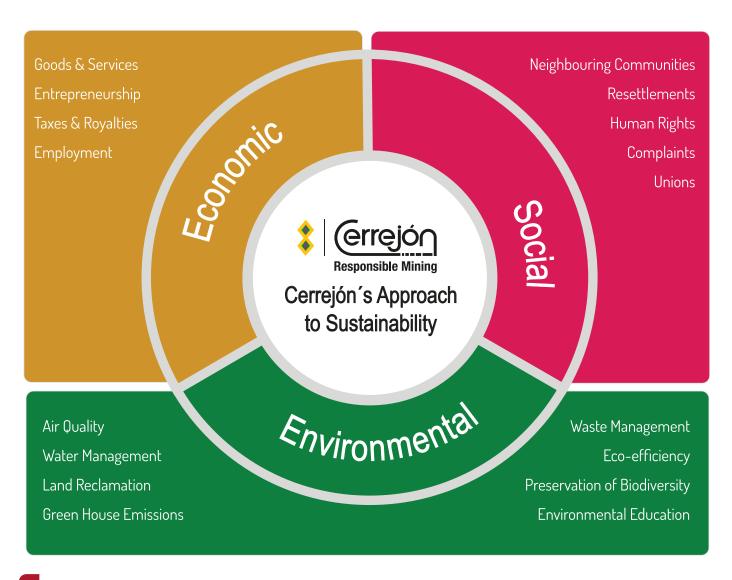


Cerrejón and La Guajira





Cerrejón's Sustainability Approach



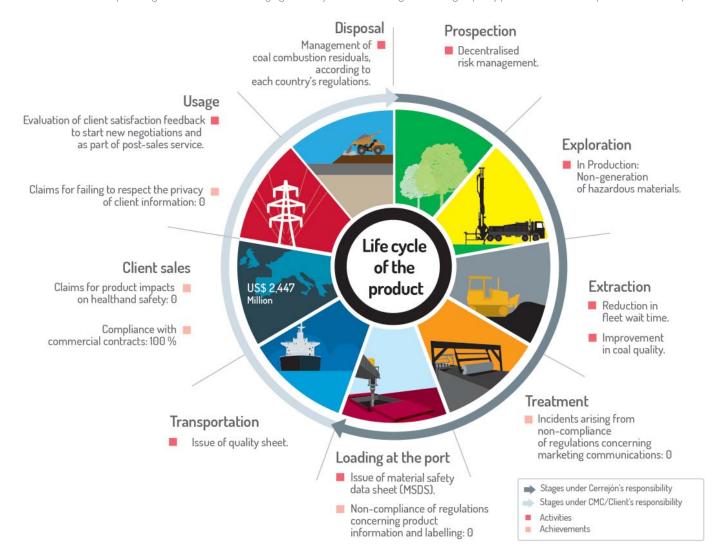
Life Cycle of the Product

Cerrejón has witnessed huge changes and new challenges in the way that mining is approached. Consequently, we have striven to consolidate our position in the industry by responding in a timely fashion to current regulations and to the concept of sustainability.

This is fundamental for providing added value when managing the life cycle of

coal, by taking into account each of the stages in the value chain and the actors involved before, during, and after the production process.

By viewing the value chain as a tool to identify sources for value creation for the client, we propose and design strategies guaranteeing the appropriate risk management, a high-quality product, and the best post-sales follow-up.



Purchases and Contracts 2013

At Cerrejón, cooperation and joint work with our suppliers and contractors are essential to establishing competitive contracts providing added value for the company and for these stakeholders. That is why we ensure that our supply chain is in alignment with and meets our policy of operational integrity, based on safety, health, care for the environment and the communities, and fostering the adoption of ethical, fair professional conduct in their business relationships.

PURCHASES







La Guajira



CONTRACTS





Local suppliers



Cerrejón stimulates the economic development of our area of influence through efforts prioritising the procurement of goods and services from locally-based suppliers over international ones.

Approximately

50%

of workers at Cerrejón contractor firms (whether local, regional, or national) are from La Guajira.

Program to encourage regional purchasing

Program for National Manufacturing of Parts Consists in substituting imported spare parts and materials with locally supplied ones, providing the national industry with the opportunity to meet these needs.

When and why it was created The program began in 2000 as a joint initiative of the Maintenance and Materials departments to stimulate development in the area of influence.

Panafita

- Support for national industrial development.
- Reconverting technology of national suppliers to address this new demand.
- · Boost for the creation of new jobs.
- · Savings by substituting imported parts.
- Possibility of shortening supply times and emergency management times.



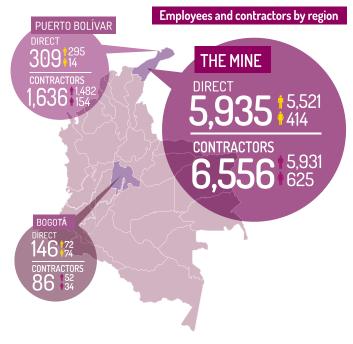
Social Responsibility Labour Policy

Cerrejón complies with national legislation and applicable social security labour rights in addition to voluntary obligations, including the principles set out in the international instruments related to the SA8000 standard.

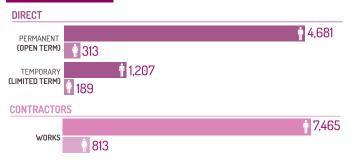
The company considers it especially vital to comply with national and international legislation as regards child labour, forced labour, occupational health and safety, freedom of association and the right to collective bargaining, discrimination, disciplinary measures, work schedules, and remuneration.

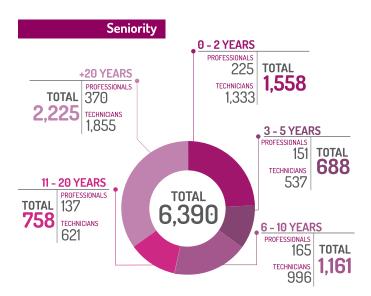
Cerrejón's Human Resources management has been dynamically built with the creation of an environment that is motivating and challenging, promoting the comprehensive development of employees, and guaranteeing a healthy, safe setting for the performance of their activities. It also offers opportunities for professional and personal growth.





By type of contract







Respect for Union Association and Collective Bargaining

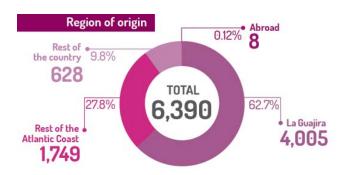
The company has two trade unions that workers can freely join — Sintracarbón (the largest) and Sintracerrejón (the smallest).

Cerrejón 15
has signed 15
collective bargaining agreements

The most recent was in March of 2013 (valid until 2015) and contains significant benefits for workers.

- Wage increase of 5.1% for the first year,
- Bonuses up to 2015 as it extends their validity for 3 years,
- Better conditions for housing loans, education aid, scholarships, and seniority premiums,
- Provision of healthcare services and worker transportation, among other items.

In its three decades of operation, Cerrejón has had two strikes. The last one lasted 32 days, from February 7 to March 11 of 2013.



Women in the Operation

Based on respect, on our policies of equal opportunity, on a productive work environment, and on diversity in our leadership model, Cerrejón promotes comprehensive development in our female employees for safe and healthy work conditions.



The following activities are noteworthy in this regard:

- Establishing a bank of temporary positions for pregnant workers whose regular jobs might affect their health.
- Upgrading installations for women to perform operational tasks.
- Theoretical-practical workshops for female workers to continue reinforcing the skills of women working in the operational areas and to facilitate their socialisation-workplace adaptation, their advancement, and their personal growth.
- The Women's Committee identifies and proposes initiatives to improve conditions of incorporation and adaptation to the operation. To that end, its five representatives have focused on formalising and monitoring the agreements signed.



156

occupy operational positions in the departments of Maintenance, Production, Coal Handling, and Operational Services in posts such as operators/technicians, operators of mining equipment (trucks and shovels), supervisors, and superintendents. These numbers include apprentices.

Policies and Conduct Guidelines

Cerrejón is concerned not just with world-class results but with how those results are achieved. To that end, the company has a set of 17 Policies and Conduct Guidelines based on our firm's values and principles and on the unconditional commitment of working with integrity. These policies are mandatory for employees at all levels of responsibility and are part of third-party contracts as well.

Some of them are: Ethics, Conflict of Interest, Human Rights, Social Labour Responsibility, Safety-Healthcare-Environment and Communities, Client Relations and Product Quality, and Fraud Control.

Ethics Policy

Cerrejón strictly complies will all laws applicable to our business and rejects corruption. The company has incorporated the "Guidelines for the Prevention of Corruption" to our Ethics Policy with the goal of reinforcing our commitment with transparency and ethics in business. This step is aligned with the rising global importance of the implications of corruption in society.

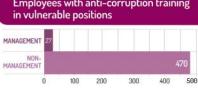
These Guidelines are based on applicable anti-corruption laws (including the Colombian Anti-Corruption Statute - Act 1474 of 2011, the UK Bribery Act 2010, and the U.S. Foreign Corrupt Practices Act).

The Guidelines include the directions and standards to allow the company and our collaborators to correctly manage our relations and make decisions in our business operation, with a strong emphasis on integrity.

Anti-Corruption

Cerrejón performed an internal risk analysis, identifying 476 key positions that are vulnerable to corruption. As a result, we developed a program to counter this practice, starting with an online course with the participation of 497 workers.





Safety, Health, Environment and Communities

It is Cerrejón's policy to carry out its operations while respecting the safety and health of our workers, in harmony with the environment and society, and contributing to the development, well-being, and culture of our neighbouring communities.

All company areas are responsible for fully implementing the guidelines and



standards in Safety, Health, Environment, and Communities established by Cerrejón, the Operational Integrity System, the Protocols for the Control of Fatal Risks, strict compliance with Colombian legislation, and other commitments we have voluntarily subscribed to as regards HSEC topics in order to ensure the highest standards in our administration.

Operational Safety

Each operational area performs a daily identification, prevention, control, and assessment of risks that could affect employees, contractors, and third parties. This activity promotes a culture free of fatalities and accidents.

Safety results

Cerrejón monitors safety results by means of the number of fatalities and the injury frequency rate:

Recordable Injury Frequency Rate (RIFR).

The RIFR is calculated based on the ratio of the number of accidents per 200,000 hours of exposure over the number of hours worked during that period. It includes all personal injuries except for first-aid treated ones.

Classified Injury Frequency Rate (CIFR)

The CIFR is calculated based on the ratio of the number of accidents per 200,000 hours of exposure over the number of hours worked during that period. It includes only incapacitating cases (fatalities, lost time, and limited work)

For nearly three decades, Cerrejón has implemented the Management System for Workplace Health and Safety (SG-SST, its Spanish acronym), which supports our workers and other stakeholders in accordance with their needs and based on the characteristics of the country and the economic sector.

It goes beyond isolated activities in order to provide the requirements for health, hygiene, and safety in the workplace and to comprehensively protect worker health.

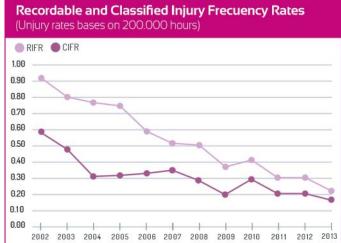






Cerrejón complies with Colombian legislation as well as with the highest international standards. We seek thereby to promote the prevention and control of disease and accidents in addition to eliminating factors and conditions that endanger both health and safety at work.

• Investment of US\$ 5.7 million in 2013 to carry out the SG-SST.



- No worker is exposed to any hazardous agents above the threshold limit values (TLV) after taking into account personal protective equipment.
- The Occupational Illness Rate at Cerrejón (i.e., the number of cases per 100,000 employees) is significantly lower than that of total country and that of the mines and quarries exploitation sector. While in the country 121.5 employees become ill, and in the national mines and quarries exploitation the number is 242.6, at Cerrejón this indicator amounts to 98 per 100,000 employees.
- Since 2003, **Cerrejón has been certified in the OHSAS 18001** International Standard (Occupational Health and Safety Assessment Series) and has been recertified each successive year.
- For over 27 years, Cerrejón has used the methodology of Similar Exposure Groups (GES, its Spanish acronym) for our Workplace Safety Management (SST, its Spanish acronym). The government just recently recommended this methodology be used in Colombia for SST. This management system has made it possible to comprehensively control occupational risks in the company and perform the respective medical-occupational monitoring.

Human Rights

Cerrejón understands that the Colombian government is obliged to protect human rights and that the company is responsible for respecting the human rights of our workers, contractors, and neighbouring communities.

Therefore, since 2005 Cerrejón has had a Human Rights Policy aligned with Colombian legislation, the Universal Declaration of Human Rights, the main conventions of the ILO (International Labour Organisation), and the social standards adopted by the company. This policy was adjusted in 2011 to bring it into line with the United Nations Guiding Principles on Business and Human Rights, approved that year by the United Nations Human Rights Council.

This policy complements another series of Cerrejón policies that seek to promote and ensure respect for human rights: Health, Safety, Environment, and Communities; Social Labour Responsibility; Political Activities; Management Positions; Equal Opportunity; and a Productive Work Environment.

As part of our commitment with social standards and in compliance with our Human Rights Policy, Cerrejón covered different types of training in this regard during 2013:

General orientation training offered to new employees at the Company

Over the course of the year, there were 16 sessions of general orientation on human rights topics for 100% of new employees (539).

Specialized training in specific social standards

To comply with the standard Voluntary Principles on Security and Human Rights, Cerrejón offered human rights training and customs of the Wayuu culture to private security contractors and to members of the public security forces that provide security services for the operation.

A total of 2,259 persons received this training in 2013.

Other activities

30 hours of training in standards and human rights to 657 employees of different Cerrejón contractors.

Activities promoting human rights with 1,588 children from the area of influence.

Cerrejón has adopted the Voluntary Principles on Security and Human Rights; the Global Compact; IFC Performance Standards 1, 5, and 7; the ICMM Sustainable Development Framework; and the United Nations Guiding Principles on Business and Human Rights as standards for our performance.



Implementation of due diligence processes in human rights.

The company is committed to the identification, prevention, and mitigation of operational impacts. Hence, in 2011, we carried out the first Study on Social and Human Rights Impacts to determine the human rights risks and impacts on employees, contractors, and neighbouring communities. The study results were publicized in five communities neighbouring the operation.

In 2015, Cerrejón will commission another study on operational impacts on human rights.

Complaints Office

In 2010, Cerrejón established a Complaints Office to address complaints deriving from operational impacts on the human rights of employees, contractors, and communities.

Status of complaints	2010	2011	2012	Total to 2012
Logged	183	129	184	496
In process	150	71	57	278
Closed	33	58	127	218
Transferred	4	0	0	4

Cerrejón's Complaints Office resulted from participation in a pilot study led by John Ruggie, the former United Nations Special Representative for Business and Human Rights. Cerrejón was one of only five companies chosen globally to participate in the project to implement rights-based complaints mechanisms aligned with the remediation pillar of the United Nations Guiding Principles.

In addition to responding to and compensating for impacts where necessary, the Complaints Office complements good relations actions with stakeholders by applying a series of principles allowing it to be effective:

Step-by-Step of Complaints Office Logging File the complaint at one of the access points or with an authorised official. Complaint classification Assess whether it is an operational impact. Information-gathering Clarify the events together with the alleged affected party. Identify how, when, why, and where the events occurred. Agreement On possible compensation measures. **Approval** Implementation of agreement. 6 Closure Ratify agreement with the alleged affected party. Lessons learned Identification of opportunities for improvement both in information-gathering and in process closure.

Implementation of the Voluntary Principles in Security and Human Rights (VP)

The VP are an initiative launched in 2000 and adopted by governments and multinational companies seeking to guarantee that the work of providing security and protection for company officials and assets takes place without impacting the human rights of communities neighbouring the operations, as well as preventing companies from being complicit in human rights violations.

Cerrejón has implemented the Voluntary Principles since 2005 through a 7 step methodology

- 1. Presentation of the Human Rights Policy and VP commitments to members of the public security forces and to companies providing private security services.
- **2.** Inclusion of human rights and VP clauses in contracts with private security services and agreement with the public security forces.
- **3.** Training public security forces and private security services in human rights, VP, and the traditions and customs of the Wayuu communities.
- **4.** Regular meetings held with the public security forces and the private security services.
- **5.** Measurement of VP implementation indicators designed in Colombia with the participation of International Alert.
- **6.** Engagement/talks among communities, the public security forces, and the private security services to analyse performance and compliance with the Voluntary Principles on Security and Human Rights.
- **7.** Addressing complaints through the Complaints Office.

We continue working to improve:

We have adopted principles to carry out free and informed prior consultation with indigenous communities.

We continue to listen to communities, workers, and stakeholders.

We are designing an assurance system to monitor compliance with our commitments and evaluate our performance.



Social Responsibility



Constant sector challenges have led the company to focus its social commitment on programs that seek the social and economic transformation of our neighbouring communities, thereby fostering regional development and business sustainability.

Cerrejón develops projects to improve the welfare of our neighbouring communities by implementing strategies that guarantee the necessary economic, social, and environmental setting for future generations.

Our social responsibility work centres on the areas of healthcare, education, culture and sports, access to water, institutional strengthening, the welfare of indigenous communities, and creating sustainable businesses.

The projects' starting points are communities needs, and they are designed and executed jointly with communities in order to ensure their sustainability.

Four cooperative agreements with the hospitals of Uribia, Albania, Hatonuevo, and Barrancas with the aim of ensuring the provision of healthcare services exclusively for the rural areas.

51,153

prevention and promotion activities

Cerrejón has plans for evaluation, monitoring, and indicators to measure performance and identify areas for improvement.

The company is not seeking to replace the State's role. On the contrary, we work to strengthen institutions and promote social participation in project oversight.

Activities: Growth and Development Care, Prenatal Care, Family Planning, Youth Care, Seniors' Care, Chronic Disease Care such as high blood pressure and diabetes mellitus, Oral Health Care and Prevention, and early detection of Cervical Cancer.









participating in programmes to strengthen education and aid in access to higher education.

Resettlements

Cerrejón views resettlement as an opportunity to talk to communities about improving their quality of life and building equity capital. To this end, we follow the guidelines of the World Bank and the International Finance Corporation (IFC). The recipient communities of the projects implemented by the company are located in the municipality of Barrancas.

	Families To Be Resettled At New Site	Families Relocated / Agreements Signed	Families with Production Project	Situation
Roche	25	25	25	100% of families resettled
Patilla	46	46	46	100% of families resettled
Chancleta	57	46	46	46 families resettled at new site
Tamaquito	31	31	31	100% of families resettled
Las Casitas*	31	11	8	Agreements signed with 11 families living in the village
TOTAL	190	159	156	

^{*} Las Casitas families that signed agreements were temporarily relocated to Barrancas and neighbouring villages with transitional financial support until they make their permanent move to the new collective site in the second half of 2014

Roundtable with Leaders of Relocated Communities

A roundtable composed of the four resettled communities and Cerrejón was set up in 2014 to foster consensus on expectations and commitments raised among the parties on issues of education, employability, production projects, and infrastructure.

Delegates from the Mayor's Office of Barrancas and representatives of the Las Casitas community also take part in this weekly roundtable as observers. To date, 24 sessions have been held, and agreement has been reached to address the following topics:

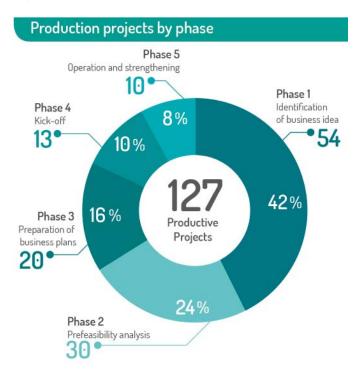
- Education
- · Income generation, including production projects
- Employability, training and instruction of communities
- Public utilities in homes
- Community infrastructure
- Equal rights

Status of Production Projects

127 projects

The community projects are usually farming and livestock related and have faced the challenge of the severe weather conditions afflicting this region in recent months. The company has focused on implementing measures such as irrigation systems to ensure project sustainability.

It is important to understand that the number of projects, families assisted, and individuals benefited do not always match the number of families relocated since there are some families with two production projects and other projects that are collective.



Cerrejón Foundations System

Our Foundations System was created in 2008 as a response to the most crucial areas of development in La Guajira.

Cerrejón Foundation for Water in La Guajira



cop 2,521



Projects 18





Cerrejón Foundation for Institutional Strengthening in La Guajira



cop 2,721



Projects **Q**



Communities 46

Beneficaries 3,179

Cerrejón Foundation for Indigenous La Guajira



Investment COP 2,727 MILLION







Cerrejón Foundation for Progress in La Guajira



Investment COP 47,500 MILLION



Projects



Municipalities 5







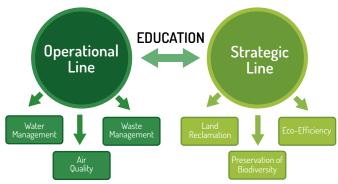


ENVIRONMENT



Cerrejón's management policy aims to conduct its business in harmony with the environment and society by contributing to the development, well-being, and culture of the communities in our area of influence as well as to work to implement the best practices in the mining industry to prevent its activities from being hazardous.

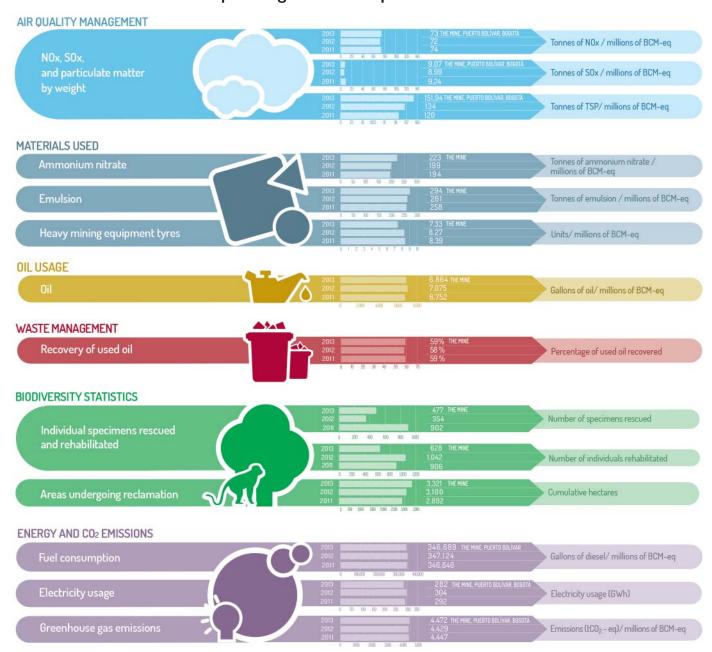
Cerrejón's Environmental Management System operates based on two clearly defined lines of action, one operational and the other strategic, comprising the following aspects:



- 1. The operational line of action is directly related to daily decisions in which there is a standard and legal control parameters.
- 2. The strategic management line comprises aspects related to the sustainability of the operation and of the region, in which the regulations have no clearly defined control parameters but rather depend on the regional context. Its actions are based on scientific investigation and case studies, and the decisions focus on middle- to long-term effects.

The third vital element of Cerrejón's environmental management is education as a tool for dissemination, raising awareness, and multiplying good environmental practices in employees as well as in our neighbouring communities.

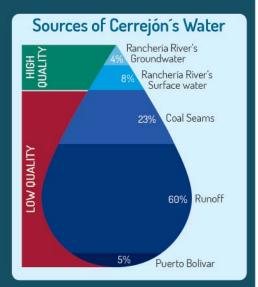
Environmental and Consumption Figures in the Operation 2013



Water Quality

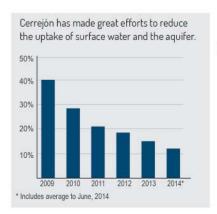
In our operation we use water sparingly and efficiently; we treat wastewater before returning it to natural sources and frequently monitor its quality.

The National Authority of Environmental Licenses and Corpoguajira verify this management through environmental monitoring visits to Puerto Bolívar and La Mina.

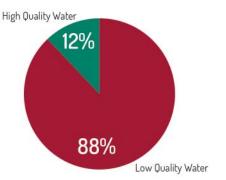


Low quality water: Water not suitable for human or animal consumption or agriculture due to its high salinity.

High Quality Water: Water safe to drink after conventional treatment



Water consumption in Cerrejón



ANALYSES yearly samples Physic Chemical Drinking water, mine water and Port.

Analyses are performed according to procedures of:

- Standard Methods for the Examination of Water and Wastewater
- Cerrejón's Environmental Laboratory Methods Certified under ISO NTC 17025:2005 (Ideam)



Monitoring of water quality in the Ranchería River

It is done at 12 points located throughout the area of influence of mining operations. The results indicate compliance with water quality standards for this type of resource.

Average salinity in the river after passing through Cerrejón



Bacteriological

Land Reclamation

Land reclamation consists of recovering areas disturbed to attain ecosystem conditions similar or better than those originally found. Up to 2013, fully 3,379 ha have been released for the reclamation process (land that will no longer be used for mining activity), and a total of 3,321 ha have been rehabilitated, equivalent to 98% of areas released for reclamation.

Topsoil recovery

The topsoil profile and quality are evaluated, then it is removed and transported by scrapers to soil banks for conservation. The soil banks are located at several sites in the three main mining areas: Central Zone, Patilla, and New Mining Areas. The topsoil is later retrieved from these banks to begin preparing the land.



Land preparation

The site disturbed by mining is prepared to ensure an appropriate medium for the sustainable growth of plants and associated organisms. This stage consists in creating suitable slopes to enable vegetation growth.

The work is performed with mining equipment such as crawler tractors and motor graders. The topsoil is then transported and spread with the equipment.



Soil stabilisation

The topsoil layer becomes a suitable medium for plant growth. Pioneering coverage is started with seeds and rapid-growth plants adapted to the climate and regional soils. These plants will serve to protect against water erosion and to improve the soil. In flat areas, this stage is performed with a chisel plough pulled by agricultural tractors, and on the slopes oxen pull the chisel plough.



Revegetation

This category groups a set of activities that aim to build a diverse and productive plant community on the stabilised topsoil.

Planting forestry species (small trees) grown in the Cerrejón plant nursery, using hand tools.

Seed collection of selected native species to adapt and grow them during planting periods.



Monitoring and follow-up

The areas undergoing reclamation are monitored to assess the physical, chemical, and biological conditions of the topsoil as well as the dynamics of the vegetation cover. The results of this monitoring and analysis are reported annually to the regional and national environmental authorities.



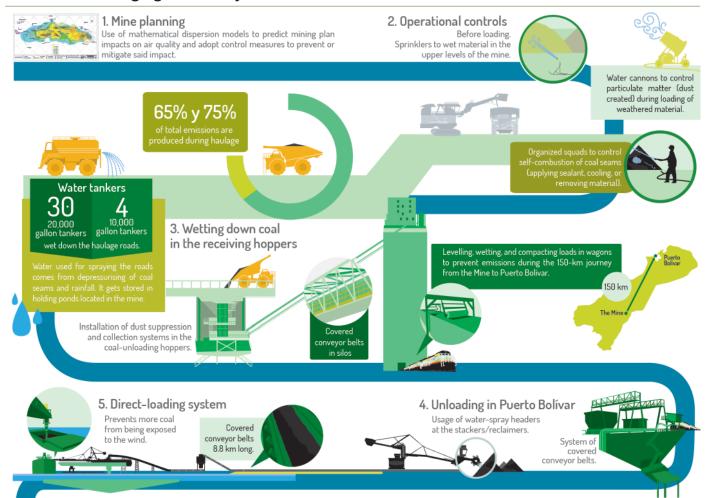
	2011 2,892
Cumulative hectares	2012 3,100
	2013 3,321

Preparation	of land
201:	
VALUE REACHED	TARGET

RO-	(0)
Stabilizatio	n of land
20	13
VALUE REACHED	TARGET
221 ha	200 ha

Revegetation of land				
20	13			
VALUE REACHED	TIMERET			
222	200			

Actions for Managing Air Quality



6. Monitoring

Cerrejón has a network of 18 air-quality sampling stations (12 at the Mine, 2 along the railroad, and 4 at Puerto Bolívar) to check the effectiveness of measures adopted.

TYPE OF STATION

- TSP (Total Suspended Particles).
- · PM10 (Particulated Matter less than 10 micras).
- TSP & PM10.
- . TSP, PM10 y Automatic Station.
- TSP, PM10, PM 2.5 (Particulated Matter less than 2.5 micras) & Automatic Station
- Weather Station

7. Diffusion

Cerrejón also has real-time monitoring stations to provide early warning of high concentrations to the operation, allowing us to adopt the corresponding control measures.

Air-quality oversight committee

Air Quality Information Subsystem (Sisaire)

Quarterly delivery of information to Corpoguaiira

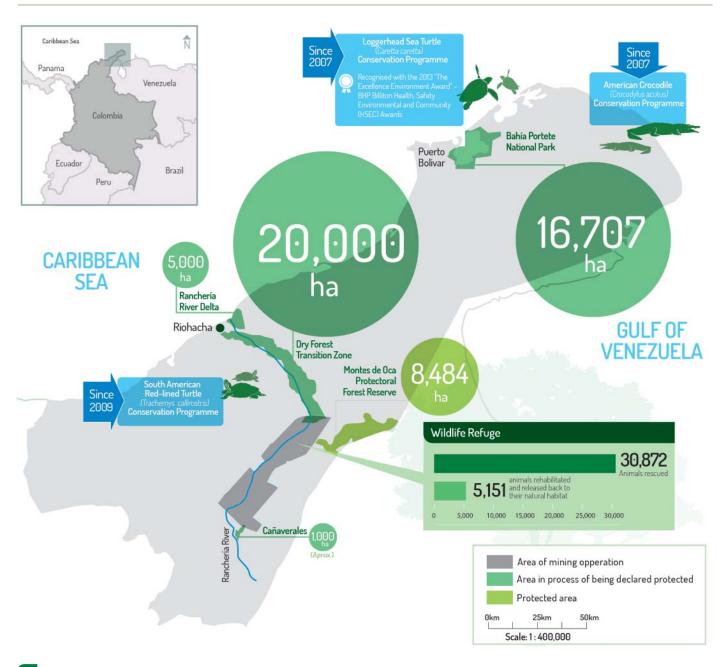
Annual delivery of the environmental compliance report to (ANLA)

Verification visits by the environmental authorities

IDEAM audits of the air-quality monitoring program



Biodiversity

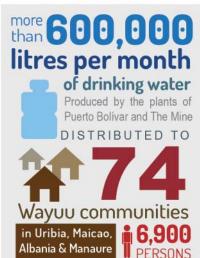


Response Actions to Drought Emergency in La Guajira

PHASE I

COP 1 BILLION INITIAL INVESTMENT





PHASE II

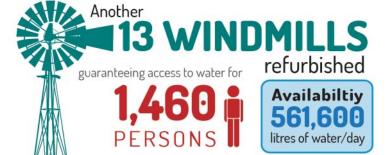
105 rural communities each receive 3,000 litres of drinking water

2 tanker train cars



Serve as points of loading for Cerrejón tankers to expand existing coverage.





MEDIUM-TERM SOLUTIONS







LONG-TERM SOLUTIONS

3 INITIATIVES COMBINED will allow the 33,000 ha as protected areas in La Guajira **8K ha** DECLARED

1. Montes de Oca

25K ha IN PROCESS OF DECLARATION

2. Ranchería River's mid basin

3. Mangrove mouth of the River Rancheria

Programmes developed by the Cerrejón Foundation for Water in La Guajira in different fronts.